October 14, 2008

Actuarial Valuation Report December 31, 2007

Oregon Public Employees Retirement System

Tier 1/Tier 2 and OPSRP Pension Benefits **RHIA/RHIPA** Retiree Medical Benefits





MARSH MERCER KROLL GUY CARPENTER OLIVER WYMAN

Contents

Executive Summary	1
Certification	15
System-Wide Assets	17
Pension Plan Valuation	
Tier 1/Tier 2 Valuation	
OPSRP Valuation	41
Retiree Healthcare Valuation	49
Accounting/CAFR Exhibits	59
Data	67
Actuarial Methods and Assumptions	83
Summary of Plan Provisions	97
Glossary	105

Mercer has prepared this report for the Oregon Public Employees Retirement System to:

- Present system-wide results of the valuation of the Oregon Public Employees Retirement System, including pension benefits provided through Tier 1/Tier 2 and the Oregon Public Service Retirement Plan (OPSRP), and retiree medical benefits provided through the Retiree Health Insurance Account (RHIA) and the Retiree Health Insurance Premium Account (RHIPA), as of December 31, 2007,
- Provide information on system-wide employer contribution rates and employer contribution rates for each rate pool that will become effective July 1, 2009 through June 30, 2011,
- Provide the funded status as of December 31, 2007, and
- Provide reporting information for financial statements, government agencies and other interested parties, pursuant to GASB requirements.

This valuation does not cover the Individual Account Program (IAP).

Employer Contribution Rates

This report develops the average employer contribution rates that will become effective on July 1, 2009. The December 31, 2005, valuation developed the employer contribution rates that are in effect through June 30, 2009.

Employer pension contribution rates consist of a normal cost rate and an amortization of the Unfunded Accrued Liability (UAL). Normal cost rates are calculated and charged separately to the Tier 1/Tier 2, OPSRP general service and OPSRP police and fire payrolls. UAL rates are calculated separately for Tier1/Tier 2 and OPSRP, but each UAL rate is charged across all payrolls. Rates for individual employers are adjusted if the employer maintains a side account or has a pre-SLGRP liability or surplus. The table below compares the average employer contribution rates for each type of payroll calculated for this valuation and effective July 1, 2009 compared to the rates in effect from July 1, 2007 through June 30, 2009.

	Effec	tive July 1,	, 2009	Effec	tive July 1	, 2007
		OPSRP			OPSRP	
		General	OPSRP Police		General	OPSRP Police
Payroll	Tier 1/Tier 2	Service	& Fire	Tier 1/Tier 2	Service	& Fire
Normal Cost Rate	6.08%	5.81%	8.52%	4.17%	5.82%	9.09%
Tier 1/Tier 2 UAL Rate	6.07%	6.07%	6.07%	10.23%	10.23%	10.23%
OPSRP UAL Rate	(0.08%)	(0.08%)	(0.08%)	0.00%	0.00%	0.00%
Total Pension Rate	12.07%	11.80%	14.51%	14.40%	16.05%	19.32%
Average Adjustment	(7.69%)	(7.69%)	(7.69%)	(7.03%)	(7.03%)	(7.03%)
Net Pension Rate	4.38%	4.11%	6.82%	7.37%	9.02%	12.29%

Pension Contribution Rates

Investment returns for 2006 and 2007 were significantly greater than the assumed rate, causing UAL rates to decline. However, this decline is offset somewhat by rising Tier 1/Tier 2 normal cost rates as members under Money Match (with no normal cost) continue to retire and Tier 1/Tier 2 active members age.

Employer Contribution Rates (continued)

The Tier 1/Tier 2 pension contribution rates differ for each rate pool and each independent employer. This report calculates the specific rates for each rate pool. Specific rates for independent employers are calculated in separate reports for each independent employer. Changes in pension contribution rates for each rate pool are confined to a collar depending on funded status. The table below shows the employer pension contribution rates that will become effective July 1, 2009 for each Tier 1/Tier 2 rate pool and the average adjustment to that rate for Side Accounts and Pre-SLGRP Liabilities. Please note that for the purposes of this exhibit as well as most other exhibits in this system-wide report, Independent Employers (including State Judiciary) are treated as a single rate pool.

Tier 1/Tier 2 Pension Contribution Rates

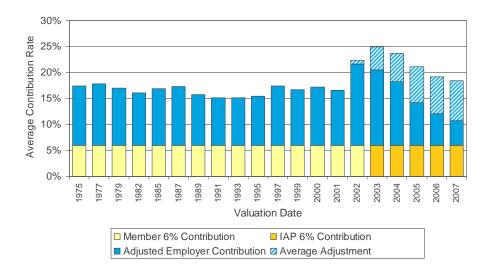
	Effe	ective July 1,	2009
		School	Independent
	SLGRP	Districts	Employers
Normal Cost Rate	6.31%	5.19%	7.92%
Tier 1/Tier 2 UAL Rate	4.84%	8.82%	2.57%
Total Pension Rate	11.15%	14.01%	10.49%
Average Adjustment Net Pension Rate	(7.09%) 4.06%	(10.51%) 3.50%	(1.14%) 9.35%

In addition to the pension contribution rates, employers also contribute to the Retirement Health Insurance Account (RHIA) and State Agencies and State Judiciary contribute to the Retiree Health Insurance Premium Account (RHIPA). Only Tier 1 and Tier 2 members are eligible for these benefits, so the normal cost rates are only charged to Tier 1/Tier 2 payroll, but the UAL rates are charged to all payrolls. The table below compares the employer contribution rates for each type of payroll that will become effective July 1, 2009 compared to the rates in effect from July 1, 2007 through June 30, 2009.

Retiree Healthcare Contribution Rates

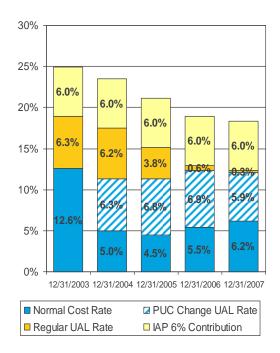
	Effec	tive July 1,	2009	Effec	tive July 1	, 2007
		OPSRP			OPSRP	
		General	OPSRP Police		General	OPSRP Police
Payroll	Tier 1/Tier 2	Service	& Fire	Tier 1/Tier 2	Service	& Fire
RHIA normal cost rate	0.10%	0.00%	0.00%	0.11%	0.00%	0.00%
RHIA UAL Rate	0.19%	0.19%	0.19%	0.26%	0.26%	0.26%
Total RHIA rate	0.29%	0.19%	0.19%	0.37%	0.26%	0.26%
RHIPA Normal Cost Rate	0.06%	0.00%	0.00%	0.07%	0.00%	0.00%
RHIPA UAL Rate	0.02%	0.02%	0.02%	0.03%	0.03%	0.03%
Total RHIPA rate	0.08%	0.02%	0.02%	0.10%	0.03%	0.03%

Combined pension and retiree healthcare employer contribution rates are still higher than their historical average, but as the graph below shows, rates as of the valuation date have improved significantly during the last three years.



Employer Contribution Rates (continued)

As shown below, the average normal cost rate has declined dramatically since the 2003 valuation, primarily due to the change in the cost method. The new cost method reflects the frozen nature of the Money Match formula. As more active members move from Money Match benefits to Full Formula benefits, we expect the normal cost rate to increase. However, since the Tier 1/Tier 2 benefit structure is closed to new entrants, the increasing normal cost rate will apply to a declining population.



The Unfunded Accrued Liability (UAL) increased with the change in cost method, and this increase is being amortized over a rolling three-year period. The resulting increase in the UAL rate nearly offsets the decrease in the normal cost rate. As the normal cost rate increases in the next few years, the portion of the UAL rate due to the change in cost method is expected to decline such that the combined rate remains relatively

Mercer

Employer Contribution Rates (continued)

stable. The UAL attributable to gains and losses other than the cost method change has decreased significantly, and is the primary source of the reduction in contribution rates.

For an individual employer, the rates shown above are adjusted for Side Accounts. Side Accounts are the result of employer supplemental deposits (usually financed through a pension obligation bond). When a supplemental deposit is made, a side account is established (after any transition liabilities for joining the SLGRP have been paid) and used to offset the otherwise required contribution. As of December 31, 2007, the system has approximately \$7.7 billion in Side Accounts, an increase of about \$0.4 billion in the last year. Side Accounts now reduce the average employer contribution rate by about 7.20% of payroll, but there is wide variation between employers. Some employers are now unable to receive full credit for their Side Accounts as they have little or no contribution required for pension benefits. However, there is still a contribution required for retiree medical benefits.

For individual employers in the SLGRP, the rates shown above are also adjusted for amortization payments on pre-SLGRP liabilities. The average adjustment to individual employer rates due to Side Accounts and Pre-SLGRP liabilities is shown on a combined basis in the table on page 1.

The minimum and maximum rates that can be effective July 1, 2011 for each rate pool (prior to adjustments) are shown in the table below. The limits are calculated and applied on an individual employer basis for Independent Employers, but for purposes of the table below, all Independent Employers (including State Judiciary) are treated as a single rate pool. The contribution rates for individual employers are adjusted from the rates of the pool to reflect Side Accounts and pre-SLGRP liabilities. These adjustments are not limited by the rate collar.

Limits on Future Pension C	ontribution F	tales	
	Effe	ctive July 1,	2011
	SLGRP	School Districts	Independent Employers
Between 80% and 120% Fur	nded		
Minimum Rate	8.15%	11.01%	7.49%
Maximum Rate	14.15%	17.01%	13.49%
Less than 80% or Greater th	an 120% Fun	ded	
Minimum Rate	5.15%	8.01%	4.49%
Maximum Rate	17.15%	20.01%	16.49%

Limits on Future Pension Contribution Rates

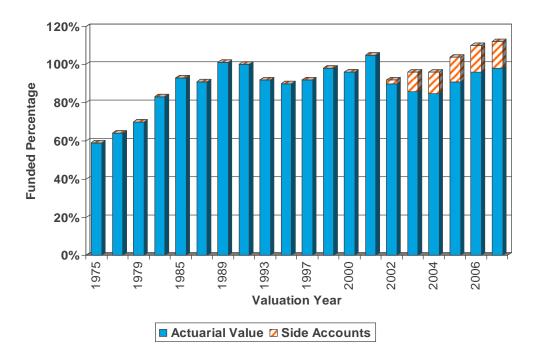
Funded Status

The table below shows the funded status of the various pension rate pools both on the basis used to calculate the contribution rate for each rate pool and after adjustment for Side Accounts (assuming Side Accounts offset Tier 1/Tier 2 liabilities).

				Independent		Pe	nsion System
	SLGRP	Sch	ool Districts	Employers	OPSRP		Totals ¹
December 31, 2007							
Actuarial accrued liability	\$ 26,883.1	\$	21,299.3	\$ 4,423.2	\$ 203.0	\$	52,871.2
Actuarial value of assets	\$ 26,674.2	\$	20,156.5	\$ 4,645.0	\$ 275.1	\$	51,669.7
Funded percentage	99.2%		94.6%	105.0%	135.5%		97.7%
Side accounts	\$ 3,640.6	\$	3,897.1	\$ 120.5	\$ -	\$	7,658.1
Funded percentage reflecting side	112.8%		112.9%	107.7%	135.5%		112.2%
accounts	112.6%		112.9%	107.7%	133.3%		112.2%
December 31, 2006							
Actuarial accrued liability	\$ 25,390.0	\$	20,825.0	\$ 4,860.1	\$ 115.0	\$	51,252.9
Actuarial value of assets	\$ 24,668.9	\$	19,411.8	\$ 5,212.2	\$ 151.4	\$	49,368.3
Funded percentage	97.2%		93.2%	107.2%	131.6%		96.3%
Side accounts	\$ 3,508.3	\$	3,621.6	\$ 118.3	\$ -	\$	7,248.2
Funded percentage reflecting side							
accounts	111.0%		110.6%	109.7%	131.6%		110.5%
Amounts in millions							

¹ Includes Multnomah Fire District #10

As shown in the graph below, the funded status of the system generally improved until the market decline earlier this decade. The restatement of the December 31, 2001 actuarial valuation to reflect the impact of the 2003 reforms mitigates the impact on the reported funded status of the market downturn. Funded status is again generally improving with the better than expected returns in the last several years.



Funded Status (continued)

The retiree medical benefits are funded using a 401(h) account within the pension trust. The table below shows the funded status of the retiree medical programs.

	December	31, 2007		December 31, 2006		
	RHIA	RHIPA	Total	RHIA	RHIPA	Total
Actuarial accrued liability	\$499.6	\$23.3	\$522.9	\$511.8	\$23.4	\$535.2
Actuarial value of assets	\$250.8	\$7.8	\$258.6	\$221.3	\$7.0	\$228.4
Funded Percentage	50.2%	33.6%	49.5%	43.2%	30.0%	42.7%

Amounts in millions

Asset Changes

Since December 31, 2006, contributions (including supplemental deposits) for pension benefits have increased assets by approximately 1.4% while benefit payments decreased assets by about 4.6%. On the whole, assets increased over 6% due to investment returns of approximately 9%.

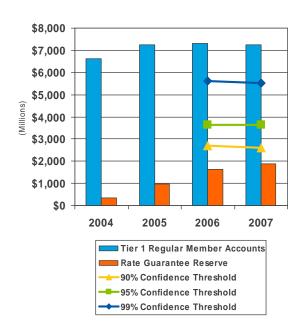
		Percentage of 12/31/2006
All Reserves	Amount	Market Value
Market value, December 31, 2006	\$ 58,945.9	
Contributions	798.3	1.4%
Investment Income	5,536.9	9.4%
Benefit Payments	(2,697.6)	(4.6%)
Market value, December 31, 2007	\$ 62,583.4	106.2%

Amounts in millions

The Rate Guarantee reserve that is used to pay for the 8% interest crediting rate guarantee on active Tier 1 member accounts when actual investment earnings are below 8% has increased from \$1.6 billion as of December 31, 2006 to \$1.9 billion as of December 31, 2007. Active Tier 1 member accounts that are protected by the rate guarantee reserve remained relatively stable from December 31, 2006, to December 31, 2007, at a value of approximately \$7.3 billion.

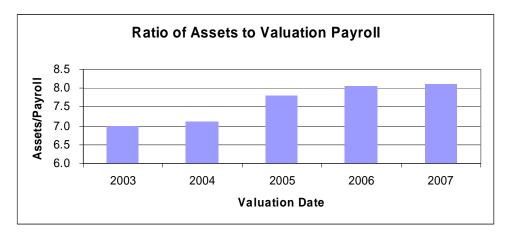
Funded Status (continued)

At the March 30, 2007 Board meeting, we presented a study examining different thresholds for declaring the Rate Guarantee Reserve fully funded. As shown in the chart below, the Rate Guarantee Reserve does not exceed the 90%, 95% and 99% confidence thresholds used in that study.



Sufficiency of Rate Guarantee Reserve

The graph below shows the increasing ratio of valuation assets to combined valuation payroll. Any gain or loss due to investment returns is amortized over a 20-year period as a percentage of payroll for Tier 1/Tier 2 benefits and over a 16-year period as a percentage of payroll for OPSRP benefits. Consequently, as this ratio increases, the system becomes more and more sensitive to variability in investment returns. A 100 basis point variance in investment return for one year creates a 30 basis point change in employer contribution rates.



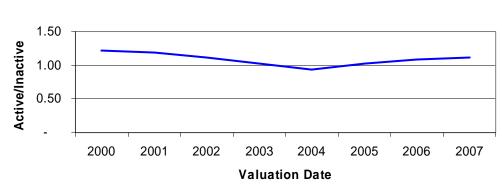
Liability Changes

Since December 31, 2006, the system-wide actuarial accrued liability has increased primarily due to interest on the liability as current active members get closer to retirement. The normal cost, or the value of benefits attributable to that year of service, was about one-eighth of the value of benefits paid out during the year. Contributions during the year were almost two and a half times the normal cost. The remaining 0.2% decrease in the actuarial accrued liability was attributable to demographic experience.

		Percentage of
	Amount	12/31/2006 AAL
Actuarial Accrued Liability, December 31, 2006	\$ 51,788.2	
Normal Cost	324.4	0.6%
Benefit Payments	(2,697.6)	(5.2%)
Interest	4,061.1	7.8%
Other	(81.9)	-0.2%
Actuarial Accrued Liability, December 31, 2007	\$ 53,394.1	103.1%

Amounts in millions

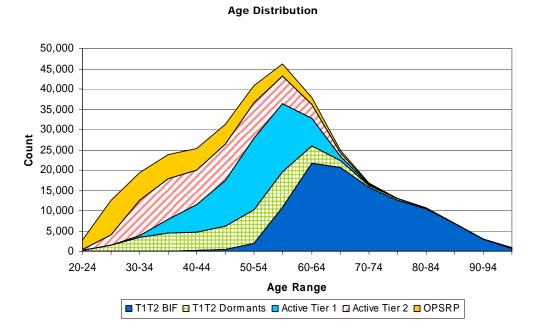
The Oregon Public Employees Retirement System is a very mature system. As shown in the chart below, there are currently 1.12 active members in the system for every inactive member. By comparison, the average ratio in NASRA's 2006 Public Fund Survey is 2.08. Since contributions to the system are based on active payroll, a lower ratio means there are fewer actives to support any gains or losses on the benefits of retirees.



Ratio of Active to Inactive Members

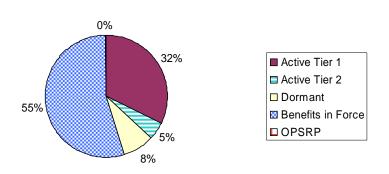
Liability Changes (continued)

The ratio of active members to retired members is likely to decline further as a significant portion of the active members are currently eligible to retire. The graph below shows the distribution of members in the system by age and membership status.



The following chart illustrates the distribution of the system's accrued liability by member age and status. While the majority of active liability is attributable to Tier 1 members, 63% of the system's total accrued liability is due to members who are no longer actively working in covered employment. Only 5% of the liability is attributable to active Tier 2 and OPSRP members. Of the accrued liability that is attributable to actives, a large portion is located at or near prime retirement ages.

Actuarial Accrued Liability by Member Category



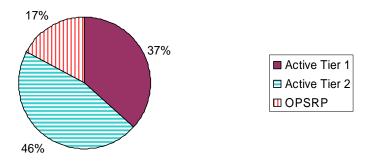
As shown below, Tier 2 members account for nearly half of the system's normal cost compared to about 5% of the system's accrued liability. Tier 2 members are likely to retire under the Full Formula calculation rather than the Money Match calculation. Because no additional Member contributions are permitted, the Money

Mercer

Liability Changes (continued)

Match formula is essentially frozen. Consequently, many Tier 1 Members who are expected to retire under the Money Match formula have no normal cost.

Normal Cost by Member Category



Employers Joining the SLGRP

Effective January 1, 2008, 28 independent employers joined the State & Local Government Rate Pool (SLGRP). Their experience through December 31, 2007 was maintained independently, but they are included with the SLGRP in this report in order to develop contribution rates that will become effective July 1, 2009. The table below summarizes the changes to assets and liabilities for the SLGRP and Independent Employers due to these employers joining the SLGRP. Note that, by design, the UAL as a percentage of payroll does not change for the SLGRP ensuring the SLGRP's UAL rate is not affected by employers joining the pool.

	Decen	nbei	r 31, 2007	January 1, 2008					Net Change		
			Independent				Independent				Independent
	SLGRP		Employers		SLGRP		Employers		SLGRP		Employers
Actuarial accrued liability	\$ 26,233.4	\$	5,072.9	\$	26,883.1	\$	4,423.2	\$	649.7	\$	(649.7)
Actuarial value of assets	\$ 26,042.0	\$	5,562.2	\$	26,674.2	\$	4,645.0	\$	632.3	\$	(917.2)
Combined valuation payroll	\$ 3,908.8	\$	1,102.3	\$	4,264.2	\$	746.9	\$	355.4	\$	(355.4)
UAL as % of Payroll	4.9%		(44.4%)		4.9%		(29.7%)		0.0%		14.7%
Pre-SLGRP Liability / (Surplus)	\$ (169.7)		N/A	\$	(454.6)		N/A	\$	(284.9)		N/A

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 after the summary. Combined valuation payroll includes Tier 1/Tier 2 payroll and OPSRP payroll.

		Actuarial Va	lua	ation as of	Percent
	De	cember 31, 2007		December 31, 2006	Change
Tier 1/Tier 2 Pension					
Actuarial accrued liability	\$	52,668.1	\$	51,137.9	3%
Actuarial value of assets	\$	51,394.6	\$	49,216.8	4%
Unfunded actuarial accrued liability	\$	1,273.6	\$	1,921.1	(34%)
Funded status		98%		96%	1%
Combined valuation payroll	\$	7,721.8	\$	7,326.8	5%
UAL as a percentage of payroll		16%		26%	(37%)
Normal cost	\$	380.9	\$	329.0	16%
Tier 1/Tier 2 valuation payroll	\$	6,261.9	\$	6,336.4	(1%)
Normal cost rate		6.08%		5.19%	17%
OPSRP Pension					
Actuarial accrued liability	\$	203.0	\$	115.0	77%
Actuarial value of assets	\$	275.1	\$	151.4	82%
Unfunded actuarial accrued liability	\$	(72.1)	\$	(36.4)	98%
Funded status		135%		132%	3%
Combined valuation payroll	\$	7,721.8	\$	7,326.8	5%
UAL as a percentage of payroll		(1%)		(0%)	88%
Normal cost	\$	88.3	\$	61.7	43%
OPSRP valuation payroll	\$	1,459.9	\$	990.4	47%
Normal cost rate		6.05%		6.23%	(3%)
Combined Pension					
Actuarial accrued liability	\$	52,871.2	\$	51,252.9	3%
Actuarial value of assets	\$	51,669.7	\$	49,368.3	5%
Unfunded actuarial accrued liability	\$	1,201.5	\$	1,884.7	(36%)
Funded status	¢	98%	¢	96%	1% 5%
Combined valuation payroll UAL as a percentage of payroll	\$	7,721.8 16%	Φ	7,326.8 26%	5% (40%)
Normal cost	\$	469.2	\$	390.7	20%
Combined valuation payroll Normal cost rate	\$	7,721.8 6.08%	\$	7,326.8 5.33%	5% 14%

Principal Valuation Results (continued)

		Actuarial Va	Percent		
	Decer	nber 31, 2007	December 31, 2006	Change	
RHIA					
Actuarial accrued liability	\$	499.6	\$ 511.8	(2%)	
Actuarial asset value	\$	250.8	\$ 221.3	13%	
Unfunded actuarial accrued liability	\$	248.8	\$ 290.5	(14%)	
Funded status		50%	43%	16%	
Combined valuation payroll	\$	7,721.8	\$ 7,326.8	5%	
UAL as a percentage of payroll		3%	4%	(19%)	
Normal cost	\$	6.6	\$ 6.6	(1%)	
Tier 1/Tier 2 valuation payroll	\$	6,261.9	\$ 6,336.4	(1%)	
Normal cost rate		0.10%	0.10%	0%	
RHIPA					
Actuarial accrued liability	\$	23.3	\$ 23.4	(0%)	
Actuarial asset value	\$	7.8	\$ 7.0	11%	
Unfunded actuarial accrued liability	\$	15.5	\$ 16.4	(6%)	
Funded status		34%	30%	12%	
Combined valuation payroll	\$	2,080.2	\$ 1,946.8	7%	
UAL as a percentage of payroll		1%	1%	(12%)	
Normal cost	\$	0.9	\$ 0.9	2%	
Tier 1/Tier 2 valuation payroll	\$	1,692.1	\$ 1,665.7	2%	
Normal cost rate		0.06%	0.06%	0%	
Amounts in millions					

Mercer

Data Summary

A brief summary of the data underlying the current and prior valuation follows. Additional detail can be found in the data section of this report.

			De	ecember 31			
		20	07				
	Tier 1	Tier 2		OPSRP	Total	20	06 Totals
Active Members							
Count	64,564	58,878		43,581	167,023		163,261
Average age	51.8	44.6		39.4	46.0		45.8
Average total service	18.4	7.2		2.3	10.3		10.3
Average valuation payroll	\$ 56,189	\$ 44,740	\$	33,500	\$ 46,232	\$	44,878
Dormant Members							
Count	23,665	20,118		166	43,949		47,753
Average age	53.6	45.1		69.9	49.8		47.9
Average monthly deferred benefit	\$ 1,643	\$ 476	\$	32	\$ 1,103	\$	1,136
Retired Members and Beneficiaries							
Count	103,641	1,695		0	105,336		103,287
Average age	70.2	63.5		n/a	70.1		69.8
Average monthly benefit	\$ 2,019	\$ 480	\$	0	\$ 1,995	\$	1,919
Total members	191,870	80,691		43,747	316,308		314,301

Effects of Changes

There were no changes to assumptions, methods or plan provisions since the December 31, 2006 actuarial valuation.

Arken and Robinson Litigation

We have made no adjustment in this valuation to reflect any interpretation of Judge Kantor's June 20, 2007 or May 27, 2008 rulings in the Arken and Robinson cases.

Certification

Mercer has prepared this report exclusively for the Oregon Public Employees Retirement System for the following purposes:

- Present the results of a valuation of Oregon Public Employees Retirement System as of December 31, 2007
- Provide average employer contribution rates for the system as a whole and actual contribution rates effective July 1, 2009 for each rate pool
- Provide reporting information for financial statements pursuant to GASB 25 and 43.

This valuation report may not be relied upon for any other purpose. Mercer is not responsible for the consequences of any other use.

A valuation report is a snapshot of a plan's estimated financial condition at a particular point in time; it is neither a prediction of a pension plan's future financial condition nor a prediction of a pension plan's ability to pay benefits in the future.

Over time, a plan's total cost will depend on a number of factors, including the amount of benefits it pays, the number of people to whom it pays them, and the amount earned on any assets invested to pay the benefits. These amounts and others are uncertain and unknowable at the valuation date, but are predicted to fall within a reasonable range of possibilities. To prepare this report, *actuarial assumptions*, as described within, are used to select a single scenario from the range of possibilities. The results of that single scenario are included in this report. However, the future is uncertain and the plan's actual experience will differ from those assumptions; these differences may be significant or material. In addition, different assumptions or scenarios may also be within the reasonable range and results based on those assumptions would be different. Actuarial assumptions may also be changed from valuation to valuation based on experience, changes in expectations about the future, and other factors.

Because actual plan experience will differ from the assumptions, decisions about benefit changes, investment policy, funding amounts, benefit security and/or benefit related issues should be made only after careful consideration of alternative future financial conditions and scenarios, and not solely on the basis of a valuation report or reports.

Data

The valuation is based on financial and membership data furnished by the System and summarized in this report. The System's actuary would not customarily verify this data. We have reviewed the information for internal consistency and reasonableness and have no reason to doubt its substantial accuracy.

Contributions and Accounting

All costs, liabilities and other factors under the System were determined in accordance with generally accepted actuarial principles and procedures, in accordance with the provisions of current State statutes and regulations issued thereunder, using an actuarial cost method which we believe is appropriate. In our opinion, the actuarial assumptions set by the Board are a reasonable estimate of the anticipated experience under the System. This report fully and fairly discloses the actuarial position of the System on an ongoing basis.

The accounting calculations reported herein are consistent with our understanding of the provisions of Government Account Standards Board (GASB) Statements Number 25 and 43.

There have been no changes in plan provisions, actuarial methods and actuarial assumptions since the last valuation of the plan.

Certification

Professional Qualifications

We are available to answer any questions on the material contained in the report, or to provide explanations or further details as may be appropriate. The undersigned credentialed actuaries meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained in this report. We are not aware of any direct or material indirect financial interest or relationship, including investments or other services that could create a conflict-of-interest that would impair the objectivity of our work.

October 14, 2008 Matthew R. Larrabee, FSA, EA, MAAA Date Principal October 14, 2008 William R. Hallmark, ASA, EA, MAAA Date Principal I have reviewed and found acceptable the actuarial assumptions, methods and procedures used in this valuation. October 14, 2008 Michael Moehle, FSA, EA, MAAA Date Principal Mercer (US), Inc. 111 SW Columbia Avenue, Suite 500 Portland, Oregon 97201-5839 503 273 5900

The information contained in this document (including any attachments) is not intended by Mercer to be used, and it cannot be used, for the purpose of avoiding penalties under the Internal Revenue Code that may be imposed on the taxpayer.

System-Wide Assets

The table below reconciles the market value of assets, as provided by PERS, to the asset values used in this valuation.

	Tier 1/			Side	а	ontingency nd Capital reservation	G	Rate uarantee	R	HIA and		System
	Tier 2	OPSRP	Α	ccounts		Reserve	F	Reserve		RHIPA		Totals
Amount reported by PERS December 31, 2007	\$ - ,	\$ 275.1	*	7,920.5	*	653.2	*	1,889.2	•	258.6	\$	62,583.4
Side Account Transfers	\$ 262.4	-	\$	(262.4)	\$	-	\$	-	\$	-	\$	-
Net Pre-SLGRP Liabilities December 31, 2007 Actuarial	(454.6)	-	\$ ¢	-	\$ ¢	-	\$ ¢	-	\$ ¢	-	\$ ¢	(454.6)
Value of Assets Amounts in millions	\$ 51,394.6	\$ 275.1	\$	7,658.1	\$	653.2	\$	1,889.2	\$	258.6	\$	62,128

PERS relied on Mercer to calculate the amount that should be transferred from Side Accounts to employer reserves in Tier 1/Tier 2 and OPSRP for rate relief provided through June 30, 2007. After that date, PERS began transferring these amounts, based on its own calculations, on a monthly basis. PERS does not track net Pre-SLGRP liabilities.

Employer supplemental deposits establish individual Side Accounts within the pension trust. The Side Accounts are treated as prepaid contributions. Employer contribution rates are first determined excluding Side Accounts. Then, an amortized portion of the Side Account is used to offset the contribution otherwise required for the individual employers that have Side Accounts. While Side Accounts are excluded from valuation assets in determining contribution rates for each of the rate pools, Side Accounts are included in valuation assets for financial reporting purposes such as the reporting of funded status.

In addition, pension assets are held in the Contingency reserve, the Capital Preservation reserve, and the Tier 1 Rate Guarantee reserve. These three reserves are excluded from valuation assets for all purposes. Finally, assets are held in separate accounts established under Internal Revenue Code Section 401(h) (the Retirement Health Insurance Account (RHIA) and the Retiree Health Insurance Premium Account (RHIPA)) to provide retiree medical benefits.

System-Wide Assets

The following table reconciles the changes in the system-wide assets from December 31, 2006 to December 31, 2007. The reconciliation of assets is provided by PERS, except for item 1.b., "Transfer from side accounts," which was calculated by Mercer for rate relief through June 30, 2007, as part of the valuation process.

									Capital						
Reconciliation of Pension and Retiree							Contingency	F	Preservation	Ra	te Guarantee				
Healthcare Assets	Ti	Tier 1/Tier 2		OPSRP Side Accounts		Reserve Reserve				Reserve	RHIA	A and RHIPA	S	System Totals	
Additions															
1. Contributions															
a. Employer	\$	489.4	\$	106.5	\$	148.6	\$ -	\$	-	\$	-	\$	37.6	\$	782.1
b. Transfer from side accounts ¹	\$	442.8	\$	-	\$	(442.8)	\$ -	\$	-	\$	-	\$	-	\$	-
c. Judge member contributions	\$	1.4	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	1.4
d. Member service purchases	\$	14.8	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	14.8
e. Total	\$	948.3	\$	106.5	\$	(294.2)	\$ -	\$	-	\$	-	\$	37.6	\$	798.3
2. Net investment income															
a. Transfers	\$	22.7	\$	-	\$	(22.7)	\$ -	\$	-	\$	-	\$	-	\$	-
b. From investments	\$	4,224.6	\$	24.0	\$	727.1	\$ 357.9	\$	-	\$	253.8	\$	22.8	\$	5,610.1
c. Total	\$	4,247.3	\$	24.0	\$	704.4	\$ 357.9	\$	-	\$	253.8	\$	22.8	\$	5,610.1
3. Other ²	\$	(34.5)	\$	-	\$	-	\$ 0.0	\$	-	\$	(0.0)	\$	-	\$	(34.5
4. Total additions	\$	5,161.1	\$	130.6	\$	410.2	\$ 357.9	\$	-	\$	253.8	\$	60.4	\$	6,373.9
Deductions															
5. Retirement and survivor benefits	\$	(2,622.4)	\$	(0.2)	\$	-	\$ -	\$	-	\$	-	\$	(29.2)	\$	(2,651.7)
6. Death Benefits	\$	(7.7)	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	(7.7)
7. Refund of contributions	\$	(38.2)	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	(38.2)
9. Administrative expenses	\$	(30.7)	\$	(6.7)	\$	(0.2)	\$ -	\$	-	\$	-	\$	(1.0)	\$	(38.7)
10. Total deductions	\$	(2,699.0)	\$	(6.9)	\$	(0.2)	\$ -	\$	-	\$	-	\$	(30.2)	\$	(2,736.3)
11. Net change	\$	2,462.0	\$	123.6	\$	410.0	\$ 357.9	\$	-	\$	253.8	\$	30.2	\$	3,637.6
12. Net assets held in trust for pension b	enefits														-
a. Beginning of year	\$	49,387.1	\$	151.4	\$	7,248.1	\$ 295.3	\$	-	\$	1,635.4	\$	228.4	\$	58,945.8
b. End of year	\$	51,849.2	\$	275.1	\$	7,658.1	\$ 653.2	\$	-	\$	1,889.2	\$	258.6	\$	62,583.4

¹ Side account transfers shown in this exhibit are all credited to Tier 1/Tier 2 assets. We understand the portion to be credited to OPSRP is credited through the employer contribution line of the exhibit.

² Includes TRFA transfer from Metlife and adjustments by PERS.

System-Wide Assets

Reconciliation of Side Accounts

Side Accounts are established for employers who make supplemental payments (a lump sum payment in excess of the required employer contribution). For SLGRP employers, this supplemental payment is first applied toward the employer's Transition Liability, and any excess is established in a Side Account. A reconciliation of the Side Accounts from December 31, 2006, to December 31, 2007, is shown below on a rate pool basis. For this exhibit, all Independent Employers are grouped together.

	SLGRP	School Districts	ependent nployers	Sys	tem Totals
Side Accounts, December 31, 2006	\$ 3,508.3	\$ 3,621.6	\$ 118.3	\$	7,248.2
Deposits during 2007	-	148.6	-		148.6
Interest	353.8	361.3	11.9		727.1
Administrative expenses	(0.0)	(0.1)	(0.0)		(0.2)
Transfers to employer reserves	(223.3)	(234.2)	(7.9)		(465.5)
Side Accounts, December 31, 2007	\$ 3,638.8	\$ 3,897.1	\$ 122.3	\$	7,658.1
Side accounts for new SLGRP employers	1.8	-	(1.8)		-
Side Accounts, January 1, 2008	\$ 3,640.6	\$ 3,897.1	\$ 120.5	\$	7,658.1
A					

Amounts in millions

Development of Side Account Rate Relief

The rate relief attributable to an employer's side account is determined by amortizing the side account balance on the valuation date over the period ending December 31, 2027 and expressing the result as a percentage of combined valuation payroll. The table below shows the average rate relief attributable to Side Accounts for each rate pool.

	 December 31, 2007										
	SLGRP		School Districts		ependent nployers	Sys	tem Totals				
1. Side Account	\$ 3,640.6	\$	3,897.1	\$	120.5	\$	7,658.1				
2. Combined valuation payroll	\$ 4,264.2	\$	2,693.3	\$	764.3	\$	7,721.8				
3. Amortization Factor	13.772		13.772		13.772		13.772				
4. Average Side Account Rate Relief	6.20%		10.51%		1.14%		7.20%				

Tier 1/Tier 2 Valuation

Tier 1/Tier 2 Pension Assets

Summary of Actuarial Value of Assets

This section summarizes the current Tier 1/Tier 2 pension valuation assets as of the current and prior actuarial valuation. For valuation purposes, pension assets are divided among the State & Local Government Rate Pool (SLGRP), the School District Pool, and various Independent Employers to determine employer contribution rates. For this system-wide report, all Independent Employers, including State Judiciary, have been grouped together as if they were a rate pool.

	SLGRP	SLGRP		ependent nployers	Т	ier 1/Tier 2 Totals ¹
December 31, 2007						
Member reserves	\$ 5,113.1	\$	3,268.0	\$ 843.1	\$	9,225.0
Employer reserves	10,045.2		5,715.4	1,868.9		17,494.7
Benefit in force reserves	11,970.5		11,173.0	1,933.0		25,129.5
Net outstanding pre-SLGRP liabilities	(454.6)					(454.6)
Total actuarial value of assets	\$ 26,674.2	\$	20,156.5	\$ 4,645.0	\$	51,394.6
December 31, 2006						
Member reserves Employer reserves Benefit in force reserves Net outstanding pre-SLGRP	\$ 4,987.0 8,522.6 11,329.7	\$	3,379.1 5,340.5 10,692.2	\$ 1,044.0 2,263.4 1,904.8	\$	9,410.8 15,996.2 23,980.2
liabilities	(170.3)					(170.3)
Total actuarial value of assets	\$ 24,668.9	\$	19,411.8	\$ 5,212.2	\$	49,216.8

Amounts in millions

¹ Includes Multnomah Fire District #10.

Please note that pre-SLGRP liabilities are treated as loans from the SLGRP to the individual employer and pre-SLGRP surpluses are treated as loans from the individual employer to the SLGRP. The assets of the SLGRP used to calculate the pooled contribution rate reflect the net outstanding balance of these loans.

Side Accounts are treated as pre-paid contributions. Consequently, they are not reflected in the actuarial value of assets shown above. The actuarial value of assets for each rate pool is used to develop the contribution rate for that pool. Side Accounts are used to adjust the pooled contribution rate for individual employers. The net impact of Side Accounts is shown in a separate section of this report.

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Assets (continued)

Reconciliation of Actuarial Value of Assets

The table below shows a reconciliation of the actuarial value of assets from the prior valuation to the current valuation for each of the rate pools. Again, Independent Employers, including State Judiciary, are treated as if they were a single rate pool for purposes of the system-wide report.

			6.	haal Districts	Independent	Tier 1/Tier 2 Totals ¹		
		SLGRP	50	hool Districts	Employers		Totals	
Actuarial value of assets, December 31, 2006	\$	24,668.9	\$	19,411.8	\$ 5,212.2	\$	49,216.8	
Contributions								
Employer	\$	251.9	\$	150.7	\$ 99.9		502.5	
Side account transfers	\$	212.6	\$	222.6	\$ 7.6		442.8	
Member	\$	0.0	\$	0.0	\$ 1.4		1.4	
Total contributions	\$	464.5	\$	373.3	\$ 108.8		946.7	
Investment income		2,161.3		1,705.9	464.8		4,323.5	
Benefit payments		(1,259.0)		(1,186.4)	(217.3)		(2,668.3)	
Adjustments ²		6.2		(148.1)	(6.3)		(139.2)	
Actuarial value of assets,								
December 31, 2007	\$	26,042.0	\$	20,156.5	\$ 5,562.2	\$	51,679.5	
Employers joining the SLGRP Actuarial value of assets,		632.3			(917.2)		(284.9)	
January 1, 2008	\$	26,674.2	\$	20,156.5	\$ 4,645.0	\$	51,394.6	
A second second second little second								

Amounts in millions

¹ Includes Multnomah Fire District #10.

² Adjustments include a reallocation of the benefits in force reserve, transfers to Multnomah Fire District #10, member service purchases and other adjustments made by PERS.

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Assets (continued)

Outstanding Balance of Pre-SLGRP Liabilities

In the valuation, pre-SLGRP liabilities are treated as assets of the SLGRP. That is, a pre-SLGRP liability is essentially a debt owed to the SLGRP by the employer. Pre-SLGRP surpluses are essentially loans by employers to the SLGRP.

Prior to the formation of the SLGRP, the State and Community Colleges were pooled together and some employers participated in the Local Government Rate Pool (LGRP). The UAL attributable to the State and Community Colleges or the LGRP at the time the SLGRP was formed is maintained separately from the SLGRP, and is reduced by contributions and increased for interest charges at the assumed interest rate.

Similarly, when an independent employer joins the SLGRP, a transition liability or surplus is calculated to ensure that each employer enters the pool on a comparable basis. The transition liability is maintained separately from the SLGRP, and is reduced by contributions and increased for interest charges at the assumed interest rate. The table below shows the reconciliation of the pre-SLGRP pooled liability attributable to the State and Community Colleges and the LGRP from the last valuation to the current valuation. It also shows the reconciliation of the total transition liability or surplus from the last valuation to the current valuation.

	St	ate and		Local			
	Community		Go۱	vernment			
	C	olleges	Ra	ate Pool	Tr	ansition	Total
1. Pre-SLGRP liability/(surplus),							
December 31, 2006	\$	639.9	\$	(261.2)	\$	(549.0) \$	(170.3)
2. Employer contributions attributable to							
liability/(surplus)		(47.3)		19.0		41.7	13.4
3. Supplemental payments		0.0		0.0		(0.2)	(0.2)
4. Interest		47.4		(19.4)		(40.6)	(12.6)
5. Pre-SLGRP liability/(surplus),							
December 31, 2007							
(1. + 2. + 3. + 4.)	\$	639.9	\$	(261.6)	\$	(548.0) \$	(169.7)
6. Employers joining the SLGRP					\$	(284.9) \$	(284.9)
7. Pre-SLGRP liability/(surplus),						. ,	. ,
January 1, 2008 (5. + 6.)	\$	639.9	\$	(261.6)	\$	(832.9) \$	(454.6)
A							

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension 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.

Because no additional Member contributions are permitted, the Money Match formula is essentially frozen. Consequently, Members who are expected to retire under the Money Match formula have no normal cost.

A summary of the normal cost by decrement is shown below on a system-wide basis for the Tier 1/Tier 2 pension benefits.

					Percent
	12/	31/2007	12/	31/2006	Change
Normal Cost					
Service Retirement	\$	351.6	\$	302.1	16.4%
Vested Benefits		15.9		14.1	12.2%
Duty Disability		1.6		1.5	5.5%
Nonduty Disability		11.8		11.3	4.9%
Death		0.0		0.0	5.9%
Total Normal Cost	\$	380.9	\$	329.0	15.8%
Amounts in millions					

The increase in the normal cost since the pr

The increase in the normal cost since the prior valuation is primarily attributable to the expected increase in pension normal cost and demographic experience. The expected increase for the pension normal cost is due to both the aging of the Tier 1/Tier 2 membership and the expected shift from Money Match to Full Formula benefits. The table below reconciles the normal cost from the prior valuation to the current valuation.

	Tier 1/	Tier 2 Pension
Normal Cost, December 31, 2006	\$	329.0
Expected increase		40.2
Assumption changes		-
Plan changes		-
Deviations from expected experience		
Age and service retirements from active status		4.7
Active mortality and withdrawal		7.8
Pay increases		9.5
Interest Crediting Experience		(0.9)
All other sources		(9.4)
Total demographic (gains) and losses		11.6
Normal Cost, December 31, 2007	\$	380.9
Amounts in millions		

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Liabilities (continued)

A summary of the normal cost by Tier and employment category for each rate pool is shown below. Again, Independent Employers, including State Judiciary, are treated as if they were a single rate pool for purposes of the system-wide report. The normal cost attributable to employers joining the SLGRP effective January 1, 2008 is included in the SLGRP figures below.

			Decemb	er 3	1, 2007			 December 31, 2006	. .	
	s	LGRP	School Districts		dependent mployers	Ti	er 1/ Tier 2 Totals	Tier 1/ Tier 2 Totals	Percent Change	
Normal Cost										
Tier 1 General Service	\$	54.7	\$ 48.3	\$	11.4	\$	114.4	\$ 93.8	21.9%	
Tier 2 General Service		87.8	64.5		13.7		166.0	147.4	12.6%	
Tier 1 Police & Fire		39.7	0.4		14.9		55.1	48.4	13.8%	
Tier 2 Police & Fire		35.5	0.2		9.8		45.4	39.4	15.3%	
Total Normal Cost Amounts in millions	\$	217.7	\$ 113.4	\$	49.8	\$	380.9	\$ 329.0	15.8%	

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Liabilities (continued)

Actuarial Accrued Liability

The actuarial accrued liability represents the value of benefits attributed to prior years of service by the actuarial cost method. A summary of the actuarial accrued liability by decrement is shown below on a system-wide basis for the Tier 1/Tier 2 pension benefits.

					Percent
Actuarial Accrued Liability	12	2/31/2007	12	2/31/2006	Change
Active					
Service Retirement	\$	17,236.2	\$	16,991.8	1.4%
Vested Benefits		1,417.6		1,564.2	(9.4%)
Duty Disability		50.7		50.1	1.2%
Nonduty Disability		510.4		511.2	(0.2%)
Death		265.8		267.9	(0.8%)
Total Actives	\$	19,480.7	\$	19,385.2	0.5%
Dormant Members		4,420.5		4,450.0	(0.7%)
Retired Members and Beneficiaries		28,766.9		27,302.8	5.4%
Total Actuarial Accrued Liability	\$	52,668.1	\$	51,137.9	3.0%
Amounts in millions					

Tier 1/Tier 2 Valuation *(continued)*

Tier 1/Tier 2 Pension Liabilities (continued)

Actuarial Accrued Liability (continued)

A summary of actuarial accrued liabilities based on member status, Tier and employment category is shown in the table below. For this exhibit, all Independent Employers, including State Judiciary, have been grouped together.

				Decem	ber	31, 2007			Dec	ember 31, 2006	_
			School Independent			٦	Tier 1 / Tier 2			Percent	
		SLGRP		Districts		Employers		Totals ¹	Tier	1 / Tier 2 Totals ¹	Change
Active Members											
Tier 1 General Service	\$	7,417.0	\$	6,408.6	\$	1,420.0	\$	15,245.8	\$	15,463.8	(1.4%)
Tier 1 Police & Fire		1,281.0		6.8		521.3		1,810.0		1,795.8	0.8%
Tier 1 Total	\$	8,698.0	\$	6,415.4	\$	1,941.3	\$	17,055.8	\$	17,259.6	(1.2%)
Tier 2 General Service		988.2		749.5		272.5	\$	2,010.2		1,784.6	12.6%
Tier 2 Police & Fire		325.2		2.8		86.7		414.7		341.0	21.6%
Tier 2 Total	\$	1,313.4	\$	752.3	\$	359.2	\$	2,424.9	\$	2,125.6	14.1%
Total Active Members	\$	10,011.4	\$	7,167.7	\$	2,300.5	\$	19,480.7	\$	19,385.2	0.5%
Dormant Members		2,648.6		1,341.2		429.9		4,420.5		4,450.0	(0.7%)
Retired Members and Beneficiaries Total Tier 1/ Tier 2 Pension Liability,		13,573.5		12,790.3		2,342.5		28,766.9		27,302.8	5.4%
December 31, 2007	\$	26,233.4	\$	21,299.3	\$	5,072.9	\$	52,668.1	\$	51,137.9	3.0%
Employers joining the SLGRP Total Tier 1/ Tier 2 Pension Liability,	¢	649.7	¢	-	¢	(649.7)	¢	-	¢	-	2.00/
January 1, 2008 Amounts in millions	\$	26,883.1	\$	21,299.3	\$	4,423.2	\$	52,668.1	\$	51,137.9	3.0%

¹ Includes Multnomah FD #10.

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Liabilities (continued)

Actuarial Accrued Liability (continued)

The change in actuarial accrued liability since the last valuation reflects the experience of the system. The table below reconciles the actuarial accrued liability from the last valuation to this valuation. The actuarial accrued liability is expected to increase due to benefits earned during the year and interest, and to decrease due to benefits paid during the year.

Actuarial Accrued Liability 12/31/2006	\$ 51,137.9
Expected change	1,671.3
Assumption changes	-
Plan changes	-
Deviations from expected experience	
Retirements from active status	95.5
Active mortality and withdrawal	(60.7)
Pay increases	57.4
Interest Crediting Experience	(72.5)
Retirement, mortality and lump sums from dormant status	(124.5)
Retiree and beneficiary mortality	82.9
Data Corrections	(54.7)
Other	(64.5)
Total demographic (gains) and losses	(141.1)
Actuarial Accrued Liability 12/31/2007	\$ 52,668.1

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Unfunded Accrued Liability (UAL)

Calculation of UAL

The Unfunded Accrued Liability (UAL) represents the difference between the Actuarial Accrued Liability and the valuation assets. To determine employer contribution rates, the UAL is calculated excluding Side Accounts. The calculated contribution rate is later offset by an amortized portion of the Side Accounts for individual employers with such accounts. A summary of the UAL by rate pool is shown on the following table. All Independent Employers, including State Judiciary, have been grouped together, and employers joining the SLGRP effective January 1, 2008 are included in the SLGRP as of December 31, 2007 for purposes of this exhibit.

		SLGRP	Sch	ool Districts	dependent Imployers	Tie	er 1 / Tier 2 Totals ¹
De	cember 31, 2007						
1.	Actuarial accrued liability	\$ 26,883.1	\$	21,299.3	\$ 4,423.2	\$	52,668.1
2.	Actuarial value of assets	\$ 26,674.2	\$	20,156.5	\$ 4,645.0	\$	51,394.6
3.	Unfunded accrued liability	\$ 208.9	\$	1,142.8	\$ (221.8)	\$	1,273.6
4.	Funded percentage (2. ÷ 1.)	99.2%		94.6%	105.0%		97.6%
5.	Combined Valuation Payroll	\$ 4,264.2	\$	2,693.3	\$ 764.3	\$	7,721.8
6.	Unfunded accrued liability as % of combined valuation payroll $(3. \div 5.)$	4.9%		42.4%	(29.0%)		16.5%
De	cember 31, 2006						
1.	Actuarial accrued liability	\$ 25,390.0	\$	20,825.0	\$ 4,860.1	\$	51,137.9
2.	Actuarial value of assets	\$ 24,668.9	\$	19,411.8	\$ 5,212.2	\$	49,216.8
3.	Unfunded accrued liability	\$ 721.0	\$	1,413.2	\$ (352.1)	\$	1,921.1
4.	Funded percentage (2. ÷ 1.)	97.2%		93.2%	107.2%		96.2%
5.	Combined Valuation Payroll	\$ 3,702.0	\$	2,563.3	\$ 1,061.6	\$	7,326.8
6.	Unfunded accrued liability as % of combined valuation payroll (3. \div 5.)	19.5%		55.1%	(33.2%)		26.2%

Amounts in millions

¹ Includes Multnomah Fire District #10

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Unfunded Accrued Liability (UAL) (continued)

Actuarial Gain or Loss since Prior Valuation

In every actuarial valuation, assumptions are made as to the future experience of the plan and covered group of participants. Whenever there is a difference between the actual experience and that anticipated by the actuarial assumptions, there is a gain or loss to the plan. Gains are the result of experience that is more favorable than anticipated (i.e., serves to reduce the unfunded actuarial liability or increase the surplus), while losses are the result of unfavorable experience.

The table below shows the development of the actuarial gain (or loss) for the Tier 1/Tier 2 pension benefits. For this exhibit, all Independent Employers, including State Judiciary, have been grouped together.

			December 31, 2007							
								Independent		Tier 1/Tier 2
Tie	er 1/Tier 2 Pension			SLGRP	Sc	hool District		Employers	Totals ¹	
1.	Ex	pected actuarial accrued liability								
	a.	Actuarial accrued liability at January 1, 2007	\$	25,390.0	\$	20,825.0	\$	4,860.1	\$	51,137.9
	b.	Normal cost at January 1, 2007	\$	171.3	\$	100.0	\$	57.7	\$	329.0
	c.	Benefit payments for fiscal year ending December 31, 2007	\$	(1,259.0)	\$	(1,186.4)	\$	(217.3)	\$	(2,668.3)
	d.	Interest	\$	1,994.5	\$	1,626.5	\$	384.7	\$	4,010.6
	e.	Expected actuarial accrued liability before changes $(a. + b. + c. + d.)$	\$	26,296.8	\$	21,365.1	\$	5,085.2	\$	52,809.2
	f.	Change in actuarial accrued liability at December 31, 2007, due to assumption changes	\$	0.0	\$	0.0	\$	0.0	\$	0.0
	g.	Expected actuarial accrued liability at December 31, 2007 (e. + f.)	\$	26,296.8	\$	21,365.1	\$	5,085.2	\$	52,809.2
2.	Act	uarial accrued liability at December 31, 2007	\$	26,233.4	\$	21,299.3	\$	5,072.9	\$	52,668.1
3.	Lia	bility gain/(loss) (1.g 2)	\$	63.4	\$	65.8	\$	12.4	\$	141.1
4.	Ex	pected actuarial value of assets								
	a.	Actuarial value of assets at January 1, 2007	\$	24,668.9	\$	19,411.8	\$	5,212.2	\$	49,216.8
	b.	Actual contributions for 2007	\$	464.5	\$	373.3	\$	108.8	\$	946.7
	c.	Benefit payments for fiscal year ending December 31, 2007	\$	(1,259.0)	\$	(1,186.4)	\$	(217.3)	\$	(2,668.3)
	d.	Interest	\$	1,941.7	\$	1,520.4	\$	412.6	\$	3,868.5
	e.	Expected actuarial value of assets before changes $(a. + b. + c. + d.)$	\$	25,816.2	\$	20,119.1	\$	5,516.4	\$	51,363.7
	f.	Change in actuarial value of assets at December 31, 2007, due to assumption changes	\$	0.0	\$	0.0	\$	0.0	\$	0.0
	g.	Expected actuarial value of assets at December 31, 2007 (e. + f.)	\$	25,816.2	\$	20,119.1	\$	5,516.4	\$	51,363.7
5.	Act	uarial value of assets as of December 31, 2007	\$	26,042.0	\$	20,156.5	\$	5,562.2	\$	51,679.5
6.	As	set gain/(loss) (5 4.g.)	\$	225.8	\$	37.4	\$	45.8	\$	315.8
7.	Ne	t actuarial gain/(loss) (3. + 6.)	\$	289.2	\$	103.2	\$	58.2	\$	456.9
	Am	punts in millions								

¹ Includes Multnomah Fire District #10

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Unfunded Accrued Liability (UAL) (continued)

Reconciliation of the UAL

The UAL is divided into two components to develop employer rates: the UAL attributable to the change to Projected Unit Credit (PUC) funding method as of December 31, 2004, and the regular UAL. The table below develops the UAL attributable to the change to PUC. Contributions were first allocated to this portion of the UAL effective July 1, 2007. The remaining UAL is the Regular UAL.

			School	In	dependent	Tier 1 / Tier 2		
	SLGRP	0	Districts	E	Employers		Totals ¹	
UAL due to change to PUC,								
December 31, 2006	\$ 679.2	\$	595.8	\$	161.3	\$	1,436.3	
Contributions Allocated	(119.7)		(94.6)		(29.4)		(243.6)	
Interest @ 8.0%	44.8		40.1		10.6		95.4	
UAL due to change to PUC, December 31, 2007	\$ 604.3	\$	541.3	\$	142.5	\$	1,288.1	
Employers joining SLGRP	54.9		0.0		(39.1)		15.9	
UAL due to change to PUC, January 1, 2008	\$ 659.3	\$	541.3	\$	103.4	\$	1,304.0	
Regular UAL, December 31, 2006	41.8		817.4		(513.4)		484.8	
Normal Cost	171.3		100.0		57.7		329.0	
Contributions	(344.9)		(278.7)		(79.5)		(703.1)	
Liability (gain) or loss	(63.4)		(65.8)		(12.4)		(141.1)	
Asset (gain) or loss	(225.8)		(37.4)		(45.8)		(315.8)	
Assumption changes	0.0		0.0		0.0		0.0	
Interest @ 8.0%	8.0		66.0		(38.5)		46.7	
Regular UAL, December 31, 2007	\$ (412.9)	\$	601.5	\$	(631.8)	\$	(299.5)	
Employers joining SLGRP	(37.5)		0.0		306.6		269.1	
Regular UAL, January 1, 2008	\$ (450.4)	\$	601.5	\$	(325.2)	\$	(30.4)	
Total UAL, January 1, 2008	\$ 208.9	\$	1,142.8	\$	(221.8)	\$	1,273.6	

Amounts in millions

¹ Includes Multnomah Fire District #10

The difference between the UAL as of December 31, 2007 and January 1, 2008 is due to the allocation of a portion of the UAL or surplus of employers joining the SLGRP to a transition liability or surplus. There is no change to the total UAL when transition liabilities or surpluses are included.

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Contribution Rate Development

Normal Cost Rates

The table below shows the development of the system-wide weighted average normal cost rate.

					Percent
	12	12/31/2007		/31/2006	Change
Normal Cost					
a. Service Retirement	\$	351.6	\$	302.1	16.4%
b. Vested Benefits		15.9		14.1	12.2%
c. Duty Disability		1.6		1.5	5.5%
d. Nonduty Disability		11.8		11.3	4.9%
e. Death		0.0		0.0	5.9%
f. Total Normal Cost	\$	380.9	\$	329.0	15.8%
Tier 1/ Tier 2 Valuation Payroll	\$	6,261.9	\$	6,336.4	(1.2%)
Average Normal Cost Rate					
a. Service Retirement		5.62%		4.77%	
b. Vested Benefits		0.25%		0.22%	
c. Duty Disability		0.03%		0.02%	
d. Nonduty Disability		0.19%		0.18%	
e. Death		0.00%		0.00%	
f. Average Normal Cost Rate		6.08%		5.19%	
Amounto in milliono					

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Contribution Rate Development (continued)

Normal Cost Rates (continued)

The table below shows the development of the normal cost rate for the various rate pools. For this exhibit, all Independent Employers, including State Judiciary, have been grouped together.

	_	December 31, 2007											
						ndependent	Tie	er 1 / Tier 2					
Tier 1/Tier 2 Pension		SLGRP	Sch	chool Districts		Employers	Totals						
Normal Cost													
Tier 1 General Service	\$	54.7	\$	48.3	\$	11.4	\$	114.4					
Tier 2 General Service	\$	87.8	\$	64.5	\$	13.7	\$	166.0					
Tier 1 Police & Fire	\$	39.7	\$	0.4	\$	14.9	\$	55.1					
Tier 2 Police & Fire	\$	35.5	\$	0.2	\$	9.8	\$	45.4					
Total Normal Cost	\$	217.7	\$	113.4	\$	49.8	\$	380.9					
Tier 1/ Tier 2 Valuation Payroll													
Tier 1 General Service	\$	1,652.9	\$	1,316.0	\$	240.0	\$	3,208.8					
Tier 2 General Service	\$	1,218.9	\$	865.0	\$	195.6	\$	2,279.5					
Tier 1 Police & Fire	\$	304.6	\$	2.9	\$	111.5	\$	419.0					
Tier 2 Police & Fire	\$	271.6	\$	1.2	\$	81.8	\$	354.7					
Total Valuation Payroll	\$	3,448.1	\$	2,185.0	\$	628.8	\$	6,261.9					
Average Normal Cost Rates													
Tier 1 General Service		3.31%		3.67%		4.77%		3.57%					
Tier 2 General Service		7.20%		7.46%		6.99%		7.28%					
Tier 1 Police & Fire		13.04%		15.43%		13.36%		13.14%					
Tier 2 Police & Fire		13.06%		15.66%		11.95%		12.81%					
Average Rates													
Tier 1 Average		4.82%		3.69%		7.49%		4.67%					
Tier 2 Average		8.27%		7.47%		8.46%		8.03%					
System Average		6.31%		5.19%		7.92%		6.08%					
Member Contributions						0.19%		0.02%					
Employer System Average		6.31%		5.19%		7.73%		6.06%					

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Contribution Rate Development (continued)

UAL Rates

The Regular UAL rate is determined by amortizing the unfunded actuarial accrued liability over the period ending December 31, 2027 and expressing the result as a percentage of combined valuation payroll.

The change in the unfunded actuarial accrued liability due to the change to the Projected United Credit funding method is amortized over a rolling three-year period and is also expressed as a percentage of combined valuation payroll.

The following table develops the UAL rate separately for each of the rate pools. For this exhibit, all Independent Employers, including State Judiciary, have been grouped together.

	December 31, 2007								
		SLGRP	Sc	hool Districts		ndependent Employers	-	Fier 1 / Tier 2 Totals ¹	
1. Total UAL	\$	208.9	\$	1,142.8	\$	(221.8)	\$	1,273.6	
 Change due to change in actuarial cost method 		659.3		541.3		103.4		1,304.0	
3. Regular UAL (1 2.)	\$	(450.4)	\$	601.5	\$	(325.2)	\$	(30.4)	
4. Combined valuation payroll	\$	4,264.2	\$	2,693.3	\$	764.3	\$	7,721.8	
5. 3-year Amortization Factor		2.831		2.831		2.831		2.831	
6. Regular Amortization Factor		13.772		13.772		13.772		13.772	
7. UAL rate - change to PUC		5.46%		7.10%		4.78%		5.97%	
8. UAL rate - regular UAL		(0.77%)		1.62%		(3.09%)		(0.03%)	
Amounts in millions									

Amounts in millions

¹ While the Tier 1/Tier 2 Total UAL amount includes the UAL for Multnomah Fire District #10 (MFD), the UAL rate for MFD is developed separately in this report and is added to the rates shown in this table.

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Contribution Rate Development (continued)

Pre-SLGRP Pooled Rate

Prior to the formation of the SLGRP, the State and Community Colleges were pooled together and some employers participated in the Local Government Rate Pool (LGRP). The UAL attributable to the State and Community Colleges and the LGRP at the time the SLGRP was formed is maintained separately from the UAL for the SLGRP. The balance of the pre-SLGRP pooled liability attributable to the State and Community Colleges or the LGRP on the valuation date is amortized over the period ending December 31, 2027, and expressed as a percentage of combined valuation payroll.

	12	/31/2007	12	2/31/2006
State and Community College Pool				
1. Total pre-SLGRP pooled liability	\$	639.9	\$	639.9
2. Combined valuation payroll	\$	2,393.1	\$	2,256.3
3. Amortization Factor		13.772		14.212
4. Pre-SLGRP pooled rate $(1. \div 2. \div 3.)$		1.94%		2.00%
Local Government Rate Pool				
1. Total pre-SLGRP pooled liability	\$	(261.6)	\$	(261.2)
2. Combined valuation payroll	\$	1,073.7	\$	1,024.1
3. Amortization Factor		13.772		14.212
4. Pre-SLGRP pooled rate $(1. \div 2. \div 3.)$		(1.77%)		(1.79%)

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Contribution Rate Development (continued)

Transition Liability or Surplus Rate

When an employer joins the SLGRP, a transition liability or surplus is calculated to ensure that each employer enters the pool on a comparable basis. The transition liability is maintained separately from the UAL for the SLGRP. Like the UAL, the transition liability for an employer who joined the SLGRP after the change to the PUC method is divided into a portion attributable to the change to PUC and a regular transition liability. The balance of the transition liability remaining on the valuation date attributable to the PUC change is amortized over a rolling three-year period and the balance attributable to the regular transition liability is amortized over the period ending December 31, 2027. Both amortizations are expressed as a percentage of combined valuation payroll.

		12	2/31/2007	1	2/31/2006
1.	Total transition liability / (surplus)	\$	(832.9)	\$	(549.0)
2.	Transition liability / (surplus) - change to PUC	\$	(16.9)	\$	(1.2)
3.	Transition liability / (surplus) - regular UAL				
	(1 2.)	\$	(816.0)	\$	(547.8)
4.	Combined valuation payroll	\$	1,770.3	\$	1,350.1
5.	3-Year amortization factor		2.831		2.831
6.	Amortization Factor		13.772		14.212
7.	Average transition liability/(surplus) -				
	change to PUC (2. \div 4. \div 5.)		(0.34%)		(0.03%)
	Average transition liability/(surplus) - regular UAL (3. ÷ 4. ÷ 6.)		(3.35%)		(2.85%)

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Contribution Rate Development (continued)

Multnomah FD #10 UAL Rate

The Multnomah FD #10 UAL rate is determined by amortizing Multnomah FD #10's unfunded actuarial accrued liability over the period ending December 31, 2027, and expressing the result as a percentage of combined valuation payroll.

As part of the 2003 Legislation, the Multnomah FD#10 UAL was allocated to Tier 1/Tier 2 employers. Multnomah FD#10 was allocated \$50,000 of the outstanding UAL, which was fully paid in November, 2003. Of the remaining UAL, City of Portland is allocated 21.8743%, while all Tier 1/Tier 2 employers, including City of Portland, share in the remaining 78.1257%. In addition, four other employers (City of Gresham, City of Fairview, City of Wood Village, and City of Troutdale) are required to pay twice the rate that is determined under item 6.b. below. Thus, the combined valuation payroll for all Tier 1/Tier 2 employers, shown below in item 4.b., includes twice the valuation payroll for those four employers.

		Dec	cember 31, 2007	Dec	cember 31, 2006
1.	Actuarial accrued liability				
	a. Active members	\$	1.1	\$	1.2
	b. Dormant members	\$	0.8	\$	0.7
	c. Retired members and beneficiaries	\$	60.6	\$	61.0
	d. Total actuarial accrued liability	\$	62.5	\$	62.9
2.	Actuarial value of assets				
	a. Employer reserve	\$	(134.8)	\$	(130.3)
	b. Members reserve	\$	0.7	\$	0.7
	c. Benefits in force reserve	\$	53.0	\$	53.5
	d. Total actuarial value of aseets	\$	(81.2)	\$	(76.1)
3.	Multnomah FD #10 UAL	\$	143.7	\$	139.0
-	a. Portion allocated to City of Portland		-	•	
	(21.8743% x 3.)	\$	31.4	\$	30.4
	b. Portion allocated to all T1/T2 employers				
	(78.1257% x 3.)	\$	112.3	\$	108.6
4.	Combined valuation payroll				
	a. City of Portland	\$	259.9	\$	242.3
	b. All Tier 1 / Tier 2 employers	\$	7,766.0	\$	7,368.3
5.	Amortization factor		13.772		14.212
6	Multnomah FD #10 UAL Rate				
0.	a. City of Portland $(3.a. \div 4.a. \div 5.)$		0.88%		0.88%
	b. All Tier 1 / Tier 2 employers		0.88%		0.88%
	$(3.b. \div 4.b. \div 5.)$				
	(0.0 +.0 0.)		0.10%		0.10%
7.	Total Multnomah FD #10 UAL Rate				
	a. City of Portland (6.a. + 6.b.)		0.98%		0.98%
	b. City of Gresham, City of Fairview, City of				
	Wood Village, City of Troutdale (2 x 6.b.)		0.20%		0.20%
	c. All other Tier 1 / Tier 2 employers (6.b.)		0.10%		0.10%
			0.1070		0.1070

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Contribution Rate Development (continued)

Calculated Employer Contribution Rate Summary (Pre-Rate Collar)

The following table summarizes the development of the total Tier 1/Tier 2 contribution rate for each rate pool as of the valuation date. The normal cost rates apply to Tier 1/Tier 2 payroll only, but all other rates are applied to combined valuation payroll. These rates are adjusted on an individual employer basis for Side Accounts and pre-SLGRP liabilities, if applicable. Weighted average adjustments for Side Account and pre-SLGRP liabilities are shown in the table. For individual employers, these adjustments cannot reduce the pension contribution rate below 0.0%. For purposes of this exhibit, Independent Employers, including State Judiciary, have been treated as a single rate pool.

	December 31, 2007								
			Independent	Tier 1 / Tier 2					
	SLGRP	School Districts	Employers	Totals					
Tier 1/Tier 2 pension contribution rates									
Employer normal cost rate	6.31%	5.19%	7.73%	6.06%					
Member normal cost rate			0.19%	0.02%					
UAL - regular rate	(0.77%)	1.62%	(3.09%)	(0.03%)					
UAL - PUC change rate	5.46%	7.10%	4.78%	5.97%					
Multnomah FD #10 rate	0.15%	0.10%	0.10%	0.13%					
Total Tier 1/Tier 2 pension rate	11.15%	14.01%	9.71%	12.15%					
Average adjustments									
Pre-SLGRP liability/(surplus) rate	(0.89%)	N/A	N/A	(0.49%)					
Side Account Rate	(6.20%)	(10.51%)	(1.14%)	(7.20%)					
Total average adjustment	(7.09%)	(10.51%)	(1.14%)	(7.69%)					
Net pension contribution rate	4.06%	3.50%	8.57%	4.46%					

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Contribution Rate Development (continued)

Calculation of Rate Collar

Employer contribution rates cannot change by more than the greater of 3 percentage points or 20% from the current contribution rate. However, if the funded percentage is below 80% or above 120%, the size of the collar is doubled. All collar calculations are performed excluding amounts and contribution rates attributable to pre-SLGRP liabilities, Side Accounts and member contributions. Retiree medical rates are also excluded from the rate collar calculation.

The table below develops the impact of the collar for each of the Tier 1/Tier 2 rate pools. Although the calculation is performed individually for Independent Employers, the table shows the calculation as if Independent Employers were a pool. Note that Independent Employers, other than the State Judiciary, are subject to a minimum employer contribution rate of 6.0% that is not taken into account in the calculation below.

		July 1,	2009	
Calculation of Collar Adjustments	SLGRP	School Districts	Independent Employers	Tier 1 / Tier 2 Totals
 Current employer contribution rate¹ Size of rate collar 	13.84%	17.27%	13.49%	15.00%
a. Preliminary size of rate collar (<i>maximum of</i> 3% or 20% x 1.)	3.00%	3.45%	3.00%	3.00%
b. Funded percentage	99.2%	94.6%	105.0%	97.6%
 c. Size of rate collar (<i>If b. < 80% or b. > 120%, 2 x a., otherwise a.</i>) 	3.00%	3.45%	3.00%	3.00%
3. 7/1/2009 Minimum employer contribution rate (1 2.c.)	10.84%	13.82%	10.49%	12.00%
 7/1/2009 Maximum employer contribution rate (1. + 2.c.) 	16.84%	20.72%	16.49%	18.00%
5. 12/31/2007 employer contribution rate before collar	11.15%	14.01%	9.71%	12.15%
6. 12/31/2007 employer contribution rate after collar (5., but not less than 3. or more than 4.)	11.15%	14.01%	10.49%	12.15%
7. Impact of collar <i>(6 5.)</i>	0.00%	0.00%	0.78%	0.00%

¹ The Independent Employers rate has increased from 9.95% as a result of employers joining the SLGRP.

Tier 1/Tier 2 Valuation (continued)

Tier 1/Tier 2 Pension Contribution Rate Development (continued)

Calculated Employer Contribution Rate Summary (Post Rate Collar)

Any adjustment for the collar is made to the regular UAL rate. The table below summarizes the average rates that will be effective July 1, 2009 by pool and component. Although the rate collar is applied individually for Independent Employers, the table shows the average rates as if Independent Employers were a pool. Note that Independent Employers, other than the State Judiciary, are subject to a minimum employer contribution rate of 6.0% that is not taken into account in the average rates below.

	December 31, 2007								
			Independent	Tier 1 / Tier 2					
	SLGRP	School Districts	Employers	Totals					
Tier 1/Tier 2 pension contribution rates									
Employer normal cost rate	6.31%	5.19%	7.73%	6.06%					
Member normal cost rate			0.19%	0.02%					
UAL - regular rate	(0.77%)	1.62%	(2.31%)	(0.03%)					
UAL - PUC change rate	5.46%	7.10%	4.78%	5.97%					
Multnomah FD #10 rate	0.15%	0.10%	0.10%	0.13%					
Total Tier 1/Tier 2 pension rate	11.15%	14.01%	10.49%	12.15%					
Average adjustments									
Pre-SLGRP liability/(surplus) rate	(0.89%)	N/A	N/A	(0.49%)					
Side Account Rate	(6.20%)	(10.51%)	(1.14%)	(7.20%)					
Total average adjustment	(7.09%)	(10.51%)	(1.14%)	(7.69%)					
Net pension contribution rate	4.06%	3.50%	9.35%	4.46%					

OPSRP Valuation

OPSRP Assets

Information on OPSRP assets is shown in the section of this report covering the system-wide assets. As of December 31, 2007, the actuarial value of assets for OPSRP is \$275.1 million.

OPSRP 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.

A summary of the normal cost by decrement is shown below for the current and prior year.

		De	cemb	er 31, 20	007			De	cemb	er 31, 2	006	
	G	eneral						General				
Normal Cost	Service F		Police & Fire			Total		Service		e & Fire		Total
Pre-Retirement Disability												
Duty	\$	0.2	\$	0.2	\$	0.3	\$	0.1	\$	0.1	\$	0.2
Non-Duty		3.1		0.3		3.4		2.0		0.2		2.2
Total Pre-Retirement Disability	\$	3.3	\$	0.5	\$	3.7	\$	2.1	\$	0.3	\$	2.4
Other Benefits												
Service Retirement	\$	55.7	\$	8.2	\$	64.0	\$	37.6	\$	5.4	\$	43.0
Vested Benefits		8.1		0.9		9.0		5.2		0.5		5.8
Death		0.8		0.1		0.9		0.6		0.1		0.6
Duty Disability Retirement		0.1		0.1		0.3		0.1		0.1		0.2
Non-Duty Disability Retirement		1.7		0.2		1.9		1.1		0.1		1.3
Total Other Benefits	\$	66.5	\$	9.6	\$	76.0	\$	44.6	\$	6.2	\$	50.8
Assumed Administrative Expenses	\$	7.8	\$	0.7	\$	8.5	\$	7.8	\$	0.7	\$	8.5
Total Normal Cost	\$	77.5	\$	10.8	\$	88.3	\$	54.5	\$	7.2	\$	61.7

Amounts in millions

The increase in the normal cost since the prior valuation is primarily attributable to the new entrants to the OPSRP program. The table below reconciles the normal cost from the prior valuation to the current valuation.

	OPSRP
Normal Cost, December 31, 2006	\$ 61.7
Expected increase	2.3
Assumption changes	-
Plan changes	-
New entrants	22.1
Deviations from expected experience	2.2
Normal Cost, December 31, 2007	\$ 88.3
Amounts in millions	

OPSRP Valuation (continued)

OPSRP Liabilities (continued)

Actuarial Accrued Liability

The actuarial accrued liability represents the value of benefits attributed to prior years of service by the actuarial cost method. A summary of the actuarial accrued liability by decrement is shown below for the current and prior year.

		De	cemb	oer 31, 2	007			De	cemb	er 31, 2	006	
	G	eneral					C	Seneral				
Summary of Actuarial Accrued Liability		Service		Police & Fire		Total		Service		Police & Fire		Total
Active Members												
Pre-retirement Duty Disability	\$	0.5	\$	0.4	\$	0.9	\$	0.3	\$	0.2	\$	0.5
Pre-retirement Non-Duty Disability	\$	7.8	\$	0.8	\$	8.6	\$	4.3	\$	0.4	\$	4.7
Service Retirement	\$	142.1	\$	20.6	\$	162.7	\$	81.9	\$	10.9	\$	92.8
Vested Benefits	\$	20.3	\$	2.1	\$	22.4	\$	11.3	\$	1.1	\$	12.4
Death	\$	2.1	\$	0.2	\$	2.3	\$	1.2	\$	0.1	\$	1.3
Duty Disability Retirement	\$	0.4	\$	0.3	\$	0.7	\$	0.2	\$	0.2	\$	0.4
Non-Duty Disability Retirement	\$	4.2	\$	0.6	\$	4.8	\$	2.4	\$	0.3	\$	2.7
Total Active Members	\$	177.3	\$	25.1	\$	202.4	\$	101.6	\$	13.2	\$	114.8
Dormant Members					\$	0.6					\$	0.2
Retired Members and Beneficiaries					\$	0.0					\$	0.0
Total Actuarial Accrued Liability					\$	203.0					\$	115.0

Amounts in millions

The change in actuarial accrued liability since the last valuation reflects the experience of the system. The table below reconciles the actuarial accrued liability from the last valuation to this valuation. The actuarial accrued liability is expected to increase due to benefits earned during the year and interest, and to decrease due to benefits paid during the year.

Reconciliation of Changes in Actuarial Accrued Liability

	-
	OPSRP
Actuarial Accrued Liability 12/31/2006	\$ 115.0
Expected change	66.5
Assumption changes	-
Plan changes	-
New entrants	27.7
Deviations from expected experience	
Retirements from active status	0.6
Active mortality and withdrawal	(3.6)
Pay increases	11.2
Other ¹	(14.4)
Total demographic (gains) and losses	(6.2)
Actuarial Accrued Liability 12/31/2007	\$ 203.0
A	

Amounts in millions

¹ Includes \$(12.1) for actual vs. estimated changes in retirement credit amounts under the new retirement credit definition in ORS 238A.140, and \$(2.3) for other deviations from expected experience.

Mercer

OPSRP Valuation (continued)

OPSRP Unfunded Accrued Liability (UAL)

Calculation of UAL

The Unfunded Accrued Liability (UAL) represents the difference between the Actuarial Accrued Liability and the valuation assets. The UAL is amortized over combined valuation payroll. The table below shows the OPSRP UAL, funded status, and UAL as a percentage of combined valuation payroll.

Unfunded Accrued Liability	Dece	mber 31, 2007	Dec	December 31, 2006		
1. Actuarial accrued liability	\$	203.0	\$	115.0		
2. Actuarial value of assets	\$	275.1	\$	151.4		
3. Unfunded accrued liability	\$	(72.1)	\$	(36.4)		
4. Funded percentage (2. ÷ 1.)		135%		132%		
5. Combined valuation payroll	\$	7,721.8	\$	7,326.8		
 Unfunded accrued liability as % of combined valuation payroll 		(1%)		(0%)		

OPSRP Valuation (continued)

OPSRP Unfunded Accrued Liability (UAL) (continued)

Actuarial Gain or Loss since Prior Valuation

In every actuarial valuation, assumptions are made as to the future experience of the plan and covered group of participants. Whenever there is a difference between the actual experience and that anticipated by the actuarial assumptions, there is a gain or loss to the plan. Gains are the result of experience that is more favorable than anticipated (i.e., serves to reduce the unfunded actuarial liability or increase the surplus), while losses are the result of unfavorable experience. The 2007 liability loss is primarily due to new entrants to the OPSRP program and pay increases greater than anticipated.

The table below develops the actuarial gain or loss for OPSRP for the year ending December 31, 2007.

1.	Expected actuarial accrued liability	
	a. Actuarial accrued liability at December 31, 2006	\$ 115.0
	b. Normal cost at December 31, 2006 (excluding administrative expenses)	\$ 53.2
	c. Benefit payments (excluding administrative expenses) for year ending December 31, 2007	\$ (0.2)
	d. Interest	\$ 13.5
	e. Expected actuarial accrued liability before changes	
	(a. + b. + c. + d.)	\$ 181.5
	f. Change in actuarial accrued liability at December 31, 2007, due to assumption changes	\$ 0.0
	g. Change in actuarial accrued liability at December 31, 2007, due to plan changes	\$ 0.0
	h. Expected actuarial accrued liability at December 31, 2007	
	(e. + f. + g.)	\$ 181.5
2.	Actuarial accrued liability at December 31, 2007	\$ 203.0
3.	Liability gain/(loss) (1.g 2)	\$ (21.5)
4.	Expected actuarial value of assets	
	a. Actuarial value of assets at December 31, 2006	\$ 151.4
	b. Actual contributions for 2007	\$ 106.5
	c. Benefit payments and administrative expenses for fiscal year ending December 31, 2007	\$ (6.9)
	d. Interest	\$ 15.8
	e. Expected actuarial value of assets at December 31, 2007	
	(a. + b. +c. + d. + e.)	\$ 266.9
5.	Actuarial value of assets as of December 31, 2007	\$ 275.1
6.	Asset gain/(loss) (5 4e.)	\$ 8.2
7.	Net actuarial gain/(loss) (3. + 6.)	\$ (13.3)

Amounts in millions

g:\wp\retire\2008\opersu\val\pers systemwide report.doc

OPSRP Valuation (continued)

OPSRP Unfunded Accrued Liability (UAL) (continued)

Reconciliation of the UAL

The table below summarizes the changes in UAL since the prior valuation.

	C	OPSRP
UAL, December 31, 2006	\$	(36.4)
Normal Cost (including actual administrative expenses)		60.0
Contributions		(106.5)
Liability (gain) or loss		21.5
Asset (gain) or loss		(8.2)
Assumption changes		0.0
Plan changes		0.0
Interest @ 8.0%		(2.4)
UAL, December 31, 2007	\$	(72.1)
Amounts in millions		

OPSRP Valuation (continued)

OPSRP Contribution Rate Development

Normal Cost Rates

The table below shows the development of the OPSRP normal cost rates.

		De	ceml	oer 31, 2	007		De	cem	ber 31, 2	006	
	(General					 General				
Development of Normal Cost Rate	Service		Police & Fire		Average Rate		Service	Police & Fire		Average Rate	
Normal Cost											
Pre-retirement Disability Benefits	\$	3.3	\$	0.5	\$	3.7	\$ 2.1	\$	0.3	\$	2.4
All Other Benefits	\$	66.5	\$	9.6	\$	76.0	\$ 44.6	\$	6.2	\$	50.8
Assumed Administrative Expenses	\$	7.8	\$	0.7	\$	8.5	\$ 7.8	\$	0.7	\$	8.5
Total Normal Cost	\$	77.5	\$	10.8	\$	88.3	\$ 54.5	\$	7.2	\$	61.7
OPSRP Valuation Payroll	\$	1,333.2	\$	126.7	\$	1,459.9	\$ 908.8	\$	81.6	\$	990.4
Normal Cost Rate											
Pre-retirement Disability Benefits		0.24%		0.39%		0.26%	0.23%		0.36%		0.24%
All Other Benefits		4.99%		7.55%		5.21%	4.91%		7.65%		5.13%
Assumed Administrative Expenses		0.58%		0.58%		0.58%	0.86%		0.86%		0.86%
Total Normal Cost		5.81%		8.52%		6.05%	6.00%		8.87%		6.23%
Amounts in millions											

UAL Rates

The OPSRP UAL rate is determined by amortizing the unfunded actuarial accrued liability over 16 years as a level percentage of combined valuation payroll.

Development of UAL Rate	Decem	nber 31, 2007	December 31, 2006		
1. UAL	\$	(72.1)	\$	(36.4)	
 Combined valuation payroll Amortization Factor 	\$	7,721.8 11.825	\$	7,326.8 11.825	
4. UAL rate		(0.08%)		(0.04%)	

OPSRP Valuation (continued)

OPSRP Contribution Rate Development (continued)

Calculated Employer Contribution Rates (Pre-Rate Collar)

The following table summarizes the OPSRP contribution rate for general service and police & fire members as of the valuation date prior to application of the collar.

The normal cost rates apply to OPSRP payroll only, but the UAL rate is applied to combined valuation payroll. These rates, after the application of the collar, are combined with each employer's Tier 1/Tier 2 rates (other than Tier 1/Tier 2 normal cost rate) to determine each employer's contribution rate on OPSRP payroll.

	General		
Calculated OPSRP Contribution Rates	Service	Police & Fire	Average Rate
December 31, 2007			
Total normal cost rate	5.81%	8.52%	6.05%
Total UAL rate	(0.08%)	(0.08%)	(0.08%)
Total OPSRP contribution rate	5.73%	8.44%	5.97%
December 31, 2006			
Total normal cost rate	6.00%	8.87%	6.23%
Total UAL rate	(0.04%)	(0.04%)	(0.04%)
Total OPSRP contribution rate	5.96%	8.83%	6.19%

OPSRP Valuation (continued)

OPSRP Contribution Rate Development (continued)

Calculation of Rate Collar

The rate collar restricts the average OPSRP contribution rate so it cannot change by more than the greater of 3 percentage points or 20 percent from the current average OPSRP contribution rate. However, if the funded percentage is below 80 percent or above 120 percent, the size of the collar is doubled. All collar calculations are performed based on the weighted average OPSRP contribution rate, and any adjustment due to the collar is applied to the OPSRP UAL rate.

The table below shows the calculation of and any adjustment for the rate collar.

		General	Police &	Average
Са	Iculation of Collar Adjustments	Service	Fire	Rate
1.	Current employer contribution rate	6.09%	9.41%	6.33%
2.	Size of rate collar			
	a. Preliminary size of rate collar (Maximum of 3% or 20% of 1.)			3.00%
	b. Funded percentage			135.5%
	c. Size of rate collar (If b. < 80% or b. > 120%, 2 x a., otherwise a.)			6.00%
3.	7/1/2009 Minimum contribution rate (1 2.c.)			0.33%
4.	7/1/2009 Maximum contribution rate (1. + 2.c.)			12.33%
5.	12/31/2007 employer contribution rate before collar	5.73%	8.44%	5.97%
6.	12/31/2007 employer contribution rate after collar	5.73%	8.44%	5.97%
7.	Impact of collar (6 5.)	0.00%	0.00%	0.00%

Retiree Healthcare Assets

Assets

A reconciliation of retiree healthcare assets is shown below.

				Ret	tiree Healthcare
Rec	onciliation of Assets ¹	RHIA	RHIPA		Totals
٩dd	itions				
1.	Employer contributions	\$ 35.5	\$ 2.1	\$	37.6
2.	Net investment income	\$ 22.1	\$ 0.7	\$	22.8
3.	Other	\$ 0.0	\$ 0.0	\$	0.0
4.	Total additions	\$ 57.5	\$ 2.8	\$	60.4
Ded	uctions				
4.	Healthcare Premium Subsidies	(27.2)	(1.9)		(29.2)
5.	Administrative expenses	(0.9)	(0.1)		(1.0)
6.	Total deductions	(28.1)	(2.0)		(30.2)
7.	Net change	29.4	0.8		30.2
8.	Net assets held in trust for benefits				
	a. Beginning of year	221.3	7.0		228.4
	b. End of year	 250.8	 7.8		258.6

Amounts in millions.

¹ The reconciliation of assets is provided by PERS.

Retiree Healthcare Liabilities

Normal Cost

A summary of the normal cost by decrement is shown below for the retiree healthcare benefits.

			RH	AII				Rł	HIPA	
					Percent					Percent
	12/3	1/2007	2007 12/31/200		12/31/2006 Change 1			12/31/2007 12/31/2006		
Normal Cost										
Service Retirement	\$	5.8	\$	5.7	0.6%	\$	0.9	\$	0.8	2.2%
Vested Benefits		0.6		0.7	(11.4%)		0.0		0.0	0.0%
Duty Disability		0.0		0.0	(4.2%)		0.0		0.0	(1.7%)
Nonduty Disability		0.1		0.1	(2.7%)		0.1		0.1	(3.8%)
Death		0.1		0.1	0.6%		0.0		0.0	0.5%
Total Normal Cost	\$	6.6	\$	6.6	(0.7%)	\$	0.9	\$	0.9	1.7%

Amounts in millions

The table below reconciles the normal cost from the prior valuation to the current valuation.

	RHIA	RHIPA
Normal Cost 12/31/2006	\$6.6	\$0.9
Expected increase	-	-
Assumption changes	-	-
Plan changes	-	-
Deviations from expected experience		
Demographic (gains) or losses	(0.0)	0.0
Normal Cost 12/31/2007	\$6.6	\$0.9
• • • •		

Retiree Healthcare Liabilities (continued)

Actuarial Accrued Liability

A summary of the actuarial accrued liability by decrement is shown below for the retiree healthcare benefits.

			R	HIA				RH	IIPA	
					Percent					Percent
	12/3	31/2007	12/	31/2006	Change	12/:	31/2007	12/3	31/2006	Change
Active										
Service Retirement	\$	86.5	\$	81.8	5.7%	\$	14.8	\$	14.2	4.1%
Vested Benefits		7.2		7.5	(4.0%)		0.0		0.0	0.0%
Duty Disability		0.1		0.1	1.9%		0.1		0.1	6.6%
Nonduty Disability		1.1		1.1	2.3%		0.9		0.8	3.2%
Death		1.6		1.5	6.2%		0.2		0.2	6.8%
Total Actives	\$	96.4	\$	91.9	4.9%	\$	15.9	\$	15.3	4.1%
Dormant Members		20.1		19.5	3.2%		0.0		0.0	0.0%
Retired Members and Beneficiaries		383.1		400.4	(4.3%)		7.3		8.1	(9.1%)
Total Actuarial Accrued Liability	\$	499.6	\$	511.8	(2.4%)	\$	23.3	\$	23.4	(0.5%)

Amounts in millions

The change in actuarial accrued liability since the last valuation reflects the experience of the system. The table below reconciles the actuarial accrued liability from the last valuation to this valuation. The actuarial accrued liability is expected to increase due to benefits earned during the year and interest, and to decrease due to benefits paid during the year.

	RHIA	RHIPA	Total
Actuarial Accrued Liability 12/31/2006	\$ 511.8 \$	23.4 \$	535.2
Expected Change	19.7	0.9	20.6
Assumption Changes	-	-	-
Plan changes	-	-	-
Deviations from expected experience			
Demographic (gains) or losses	(32.0)	(1.0)	(33.0)
Actuarial Accrued Liability 12/31/2007	\$ 499.6 \$	23.3 \$	522.9
A second to the second life second			

Retiree Healthcare Unfunded Accrued Liability (UAL)

Calculation of UAL

The Unfunded Accrued Liability (UAL) represents the difference between the Actuarial Accrued Liability and the valuation assets. A summary of the UAL by program is shown on the following table.

					RHIA		 RHIPA						
		12	/31/2007	12	2/31/2006	Percent Change	12/31/2007	12	2/31/2006	Percent Change			
1.	Actuarial accrued liability	\$	499.6	\$	511.8	(2.4%)	\$ 23.3	\$	23.4	(0.5%)			
2.	Actuarial value of assets	\$	250.8	\$	221.3	13.3%	\$ 7.8	\$	7.0	11.4%			
3.	Unfunded accrued liability	\$	248.8	\$	290.5	(14.3%)	\$ 15.5	\$	16.4	(5.6%)			
4.	Funded percentage (2. ÷ 1.)		50.2%		43.2%	16.1%	33.6%		30.0%	12.0%			
5.	Combined valuation payroll	\$	7,721.8	\$	7,326.8	5.4%	\$ 2,080.2	\$	1,946.8	6.9%			
6.	Unfunded accrued liability as % of combined valuation payroll $(3. \div 5.)$												
	Amounts in millions		3.2%		4.0%	(18.7%)	0.7%		0.8%	(11.6%)			

Mercer g:\wp\retire\2008\opersu\val\pers systemwide report.doc

Retiree Healthcare Unfunded Accrued Liability (UAL) (continued)

Actuarial Gain or Loss since Prior Valuation

In every actuarial valuation, assumptions are made as to the future experience of the plan and covered group of participants. Whenever there is a difference between the actual experience and that anticipated by the actuarial assumptions, there is a gain or loss to the plan. Gains are the result of experience that is more favorable than anticipated (i.e., serves to reduce the unfunded actuarial liability or increase the surplus), while losses are the result of unfavorable experience.

The table below shows the development of the actuarial gain (or loss) for RHIA and RHIPA.

						Retiree
					Н	lealthcare
			RHIA	RHIPA		Totals
Re	tiree	Healthcare				
1.	Exp	pected actuarial accrued liability				
	a.	Actuarial accrued liability at December 31, 2006	\$ 511.8	\$ 23.4	\$	535.2
	b.	Normal cost at December 31, 2006	\$ 6.6	\$ 0.9	\$	7.5
	c.	Benefit payments for fiscal year ending December 31, 2007	\$ (27.2)	\$ (1.9)	\$	(29.2)
	d.	Interest	\$ 40.4	\$ 1.9	\$	42.3
	e.	Expected actuarial accrued liability before changes				
		(a. + b. + c. + d.)	\$ 531.6	\$ 24.3	\$	555.9
	f.	Change in actuarial accrued liability at December 31, 2007, due to assumption				
		changes	\$ -	\$ -	\$	-
	g.	Change in actuarial accrued liability at December 31, 2007, due to plan changes				
			\$ -	\$ -	\$	-
	h.	Expected actuarial accrued liability at December 31, 2007				
		(e. + f. + g.)	\$ 531.6	\$ 24.3	\$	555.9
2.	Act	uarial accrued liability at December 31, 2007	\$ 499.6	\$ 23.3	\$	522.9
3.	Lia	bility gain/(loss) (1.h 2)	\$ 32.0	\$ 1.0	\$	33.0
4.	Exp	pected actuarial value of assets				
	a.	Actuarial value of assets at December 31, 2006	\$ 221.3	\$ 7.0	\$	228.4
	b.	Actual contributions for 2007	\$ 35.5	\$ 2.1	\$	37.6
	c.	Benefit payments for fiscal year ending December 31, 2007	\$ (27.2)	\$ (1.9)	\$	(29.2)
	d.	Interest	\$ 18.0	\$ 0.6	\$	18.6
	e.	Expected actuarial value of assets before changes				
		(a. + b. + c. + d.)	\$ 247.6	\$ 7.8	\$	255.4
	f.	Change in actuarial value of assets at December 31, 2007, due to assumption				
		changes	\$ -	\$ -	\$	-
	g.	Change in actuarial value of assets at December 31, 2007, due to plan changes				
		Change in actuarial value of assets at December 31, 2007, due to plan changes	\$ -	\$ -	\$	-
	h.	Expected actuarial value of assets at December 31, 2007				
		(e. + f. + g.)	\$ -	\$ -	\$	-
5.	Act	uarial value of assets at December 31, 2007	\$ 250.8	\$ 7.8	\$	258.6
6.	Act	tuarial asset gain/(loss) (5 4.h.)	\$ 3.2	\$ 0.0	\$	3.2
7.	Ne	t actuarial gain/(loss) (3. + 6.)	\$ 35.1	\$ 1.0	\$	36.1
	Am	punts in millions				

Retiree Healthcare Unfunded Accrued Liability (UAL) (continued)

Reconciliation of UAL

The table below summarizes the changes in UAL since the prior valuation.

	RHIA	RHIPA
UAL due to change to PUC, December 31, 2006	\$ (14.8)	\$ (3.5)
Contributions Allocated	2.5	1.3
Interest @ 8.0%	(1.1)	(0.2)
UAL due to change to PUC, December 31, 2007	\$ (13.4)	\$ (2.5)
Total UAL, December 31, 2006	\$ 305.3	\$ 19.9
Normal Cost	6.6	0.9
Contributions	(37.9)	(3.4)
Liability (gain) or loss	(32.0)	(1.0)
Asset (gain) or loss	(3.2)	(0.0)
Assumption changes	-	-
Interest @ 8.0%	23.4	1.5
Regular UAL, December 31, 2007	\$ 262.2	\$ 18.0
Total UAL, December 31, 2007	\$ 248.8	\$ 15.5

Retiree Healthcare Contribution Rate Development

Normal Cost Rate

The table below shows the development of the retiree healthcare normal cost rates. For RHIA, valuation payroll is shown on a system-wide basis. For RHIPA, valuation payroll is for the State of Oregon and the State Judiciary only.

		RH	IIA		RHIPA				
Retiree Healthcare	December 31, 2007			ecember 31, 2006		December 31, 2007	December 31, 2006		
Normal Cost	\$	6.6	\$	6.6	\$	0.9	\$	0.9	
Tier 1/Tier 2 Valuation Payroll	\$	6,261.9	\$	6,336.4	\$	1,692.1	\$	1,665.7	
Normal Cost Rate		0.10%		0.10%		0.06%		0.06%	

Amounts in millions

The table below shows the development of the retiree healthcare normal cost rates for the various rate pools. For RHIA, valuation payroll is shown on a system-wide basis. For RHIPA, valuation payroll is for the State of Oregon and the State Judiciary only. For this exhibit, all Independent Employers, including State Judiciary, have been grouped together.

			Decembe	er 3	1, 2007			
Retiree Healthcare	SLGRP School Districts				Independent Employers	Retiree Healthcare Total		
Tier 1/ Tier 2 Valuation Payroll								
a. Tier 1/Tier 2	\$ 3,448.1	\$	2,185.0	\$	628.8	\$	6,261.9	
b. State Only Payroll	\$ 1,674.7	\$	0.0	\$	17.4	\$	1,692.1	
Normal Cost Rate								
a. RHIA	0.10%		0.10%		0.10%		0.10%	
b. RHIPA	0.06%		0.00%		0.06%		0.06%	
Weighted Average Normal Cost Rate	0.13%		0.10%		0.10%		0.12%	

Retiree Healthcare Contribution Rate Development (continued)

UAL Rate

The RHIA and RHIPA Regular UAL rates are determined by amortizing the unfunded actuarial accrued liability over the period ending December 31, 2027, and expressing the result as a percentage of combined valuation payroll.

The change in the unfunded actuarial accrued liability due to the change to the Projected United Credit funding method is amortized over a rolling three-year period and expressed as a percentage of combined valuation payroll.

		RHIA	RHIPA
1. Total UAL		\$ 248.8	\$ 15.5
2. Change du cost metho	ie to change in actuarial od	(13.4)	(2.5)
3. Regular U/	AL (1 2.)	\$ 262.2	\$ 18.0
4. Combined	valuation payroll	\$ 7,721.8	\$ 2,080.2
5. 3-year Am	ortization Factor	2.831	2.831
6. Regular Ar	mortization Factor	13.772	13.772
7. UAL rate -	change to PUC	(0.06%)	(0.04%)
8. UAL rate - Amounts in n	•	0.25%	0.06%

Retiree Healthcare Contribution Rate Development (continued)

Calculated Employer Contribution Rate Summary

The following table summarizes the calculated employer contribution rates for the retiree healthcare programs. The normal cost rates are applied against Tier 1/Tier 2 payroll, but the UAL rates are applied against all payroll.

	De	cember 31, 200)7
	State Agencies	All Other	Retiree
	and Judiciary	Employers	Healthcare Total
Normal Cost Rates			
RHIA	0.10%	0.10%	0.10%
RHIPA	0.06%	0.00%	0.02%
Total normal cost rate	0.16%	0.10%	0.12%
UAL Rates			
RHIA regular UAL	0.25%	0.25%	0.25%
RHIA PUC change	(0.06%)	(0.06%)	(0.06%)
RHIPA regular UAL	0.06%	0.00%	0.02%
RHIPA PUC change	(0.04%)	0.00%	(0.01%)
Total UAL rate	0.21%	0.19%	0.20%
Total retiree healthcare rate	0.37%	0.29%	0.32%

The following information as of December 31, 2007, has been prepared and provided to Oregon PERS for inclusion in the Actuarial Section of the 2008 Comprehensive Annual Financial Report (CAFR):

- Schedule of Active Member Valuation Data
- Schedule of Retirees and Beneficiaries Added to and Removed from Rolls
- Schedules of Funding Progress by Rate Pool
- Solvency Test
- Analysis of Financial Experience

In addition, the Schedules of Funding Progress, the Schedules of Employer Contributions and the Notes to Required Supplementary Schedules are provided for the Financial Section of the CAFR. Amounts shown for the December 31, 2003 actuarial valuation and earlier are the amounts reported by the prior actuary for those valuations. All data and amounts shown for the December 31, 2005 and later actuarial valuations include both Tier 1/Tier 2 and OPSRP member and employer counts, assets and liabilities.

Some employers have made supplemental deposits in addition to their regularly scheduled contributions. These deposits are placed in a side account within the pension trust and used to offset future contribution requirements of that employer. For financial reporting purposes, supplemental deposits are not considered as contributions toward meeting the Annual Required Contribution (ARC) or the contractually required contribution for employers in a cost-sharing pool. The Schedule of Funding Progress and Solvency Test also include Side Accounts as part of the Plan's assets.

Mercer prepared the Schedule of Employer Contributions exhibit for 2006 and subsequent years. Our understanding is that prior schedules were prepared by Oregon PERS. Due to the significant contribution rate increases indicated by the December 31, 2003 valuation, the Board elected to phase-in the rate increases to allow employers time to adjust. Consequently, the schedule indicates that only a portion of the pension annual required contribution (ARC) was contributed in 2006 and 2007. Effective July 1, 2007, contribution rates were implemented to return pension contributions for the system to the full ARC.

The exhibits are provided on the following pages.

Actuarial Schedules

Schedule of Active Member Valuation Data

Valuation		Ann	ual Payroll (in	Av	erage Annual	% Increase in	Number of Participating	
Date	Count	Т	housands)		Pay	Average Pay	Employers ¹	
12/31/1993	137,513	\$	4,466,797	\$	32,483	4.9%	N/A	
12/31/1995	141,471	\$	4,848,058	\$	34,269	2.7%	N/A	
12/31/1997	143,194	\$	5,161,562	\$	36,045	2.6%	N/A	
12/31/1999	151,262	\$	5,676,606	\$	37,528	2.0%	N/A	
12/31/2000	156,869	\$	6,195,862	\$	39,497	5.2%	N/A	
12/31/2001	160,477	\$	6,520,225	\$	40,630	2.9%	N/A	Old Basis
12/31/2001	160,477	\$	6,253,965	\$	38,971		N/A	New Basis ²
12/31/2002	159,287	\$	6,383,475	\$	40,075	2.8%	N/A	
12/31/2003	153,723	\$	6,248,550	\$	40,648	1.4%	N/A	
12/31/2004	142,635	\$	6,306,447	\$	44,214	8.8%	806	
12/31/2005 ³	156,501	\$	6,791,891	\$	43,398	-1.8%	810	
12/31/2006	163,261	\$	7,326,798	\$	44,878	3.4%	758	
12/31/2007	167,023	\$	7,721,819	\$	46,232	3.0%	760	

Effective in 2006, participating employers are defined for this purpose as any employer with covered payroll during the prior year. In prior years, employers with liabilities but without covered payroll were included as well.

² Effective in 2001, the Annual Payroll excludes the member pick-up, if any.

³ Effective with the 12/31/2005 valuation, OPSRP members and payroll are included.

Schedule of Retirees and Beneficiaries Added to and Removed from Rolls

Annual Allowances are shown in thousands.

	_	Adde	Rolls	Remove	d fr	om Rolls	Rolls - E	nd	of Year	% Increase in	ŀ	Average	
Valuation Date				Annual llowances	Count		Annual Iowances	Count	А	Annual Ilowances	Annual Allowances ¹		Annual Iowances
12/31/1993								60,841	\$	564,341	27.6%	\$	9,276
12/31/1995								64,796	\$	700,171	24.1%	\$	10,806
12/31/1997								69,624	\$	919,038	31.3%	\$	13,200
12/31/1999								82,819	\$	1,299,380	41.4%	\$	15,689
12/31/2000								82,458	\$	1,385,556	6.6%	\$	16,803
12/31/2001								85,216	\$	1,514,491	9.3%	\$	17,772
12/31/2002								89,482	\$	1,722,865	13.8%	\$	19,254
12/31/2003								97,777	\$	2,040,533	8.4%	\$	20,869
12/31/2004	2	6,754	\$	149,474	2,863	\$	35,151	101,668	\$	2,154,856	5.6%	\$	21,195
12/31/2005	2	4,472	\$	149,127	3,217	\$	36,784	102,923	\$	2,267,198	5.2%	\$	22,028
12/31/2006	2, 3	5,060	\$	151,240	3,263	\$	39,735	104,720	\$	2,378,704	4.9%	\$	22,715
12/31/2007	2, 3	5,385	\$	294,737	3,304	\$	40,590	106,801	\$	2,521,345	6.0%	\$	23,608

¹ Since last valuation date.

² Annual allowances reflect estimated adjustments to retiree benefits due to the implementation of the Strunk v. PERB, et al. and City of Eugene v. State of Oregon, PERB, et al. decisions.

Annual allowances do not reflect adjustments due to any interpretation of Judge Kantor's June 20, 2007 ruling in the Arken and Robinson cases.

GASB Nos. 25 and 43 Information

Schedule of Funding Progress by Rate Pool

The GASB Statement Nos. 25 and 43 liabilities and assets resulting from the last three actuarial valuations are as follows (dollar amounts in millions):

Actuarial Valuation			Actuarial Value of Assets ¹	-	Actuarial Accrued bility (AAL)	U	nfunded AAL (UAAL) ²	Funded Ratio	Covered Payroll ³	UAAL as a % of Covered Payroll
Date		(a)			(b)		(b-a)	(a/b)	(c)	((b-a)/c)
Tier 1/Tier 2	Stat	te &	Local Govern	men	t Rate Pool					
12/31/2004		\$	22,768.1	\$	23,407.2	\$	639.1	97.3%	\$ 3,171.0	20.2%
12/31/2005	4	\$	25,556.3	\$	24,450.3	\$	(1,106.0)	104.5%	\$ 3,089.8	(35.8%)
12/31/2006		\$	28,177.2	\$	25,390.0	\$	(2,787.3)	111.0%	\$ 3,174.6	(87.8%)
12/31/2007	5	\$	30,314.8	\$	26,883.1	\$	(3,431.7)	112.8%	\$ 3,448.1	(99.5%)
Tier 1/Tier 2	Sch	ool	District Rate I	Pool						
12/31/2004		\$	18,679.3	\$	19,483.0	\$	803.7	95.9%	\$ 2,173.6	37.0%
12/31/2005		\$	21,095.0	\$	20,151.8	\$	(943.2)	104.7%	\$ 2,126.5	(44.4%)
12/31/2006		\$	23,033.4	\$	20,825.0	\$	(2,208.4)	110.6%	\$ 2,233.7	(98.9%)
12/31/2007		\$	24,053.6	\$	21,299.3	\$	(2,754.3)	112.9%	\$ 2,185.0	(126.1%)
Tier 1/Tier 2	Inde	eper	ndent Employe	ers a	nd Judiciary					
12/31/2004		\$	4,195.1	\$	4,444.4	\$	249.3	94.4%	\$ 961.9	25.9%
12/31/2005	4	\$	4,742.9	\$	4,575.0	\$	(167.9)	103.7%	\$ 894.9	(18.8%)
12/31/2006		\$	5,330.5	\$	4,860.1	\$	(470.4)	109.7%	\$ 928.1	(50.7%)
12/31/2007	5	\$	4,765.5	\$	4,423.2	\$	(342.3)	107.7%	\$ 628.8	(54.4%)
OPSRP Rate	Po	ol								
12/31/2005		\$	55.0	\$	53.8	\$	(1.2)	102.2%	\$ 680.7	(0.2%)
12/31/2006		\$	151.4	\$	115.0	\$	(36.4)	131.6%	\$ 990.4	(3.7%)
12/31/2007		\$	275.1	\$	203.0	\$	(72.1)	135.5%	\$ 1,459.9	(4.9%)
	men		althcare Bene	efits -	Retirement	Hea	Ith Insurance Ac	count		
12/31/2004		\$	148.0	\$	556.9	\$	408.9	26.6%	\$ 6,306.4	6.5%
12/31/2005		\$	181.0	\$	495.9	\$	314.9	36.5%	\$ 6,111.2	5.2%
12/31/2006		\$	221.3	\$	511.8	\$	290.5	43.2%	\$ 6,336.4	4.6%
12/31/2007		\$	250.8	\$	499.6	\$	248.8	50.2%	\$ 6,261.9	4.0%
	men	t He	althcare Bene	efits -	Retiree Hea	lth l	nsurance Premiu	um Account		
12/31/2004		\$	5.2	\$	28.2	\$	23.0	18.4%	\$ 1,701.0	1.4%
12/31/2005		\$	6.1	\$	27.0	\$	20.9	22.7%	\$ 1,621.2	1.3%
12/31/2006		\$	7.0	\$	23.4	\$	16.4	30.0%	\$ 1,665.7	1.0%
12/31/2007		\$	7.8	\$	23.3	\$	15.5	33.6%	\$ 1,692.1	0.9%

Notes:

¹ Side account assets are included with Tier 1/Tier 2 assets

² Excludes UAAL for Multnomah Fire District (\$144 million as of 12/31/2007)

³ Covered payroll is shown for the rate group. Tier 1/Tier 2 payroll is shown for Postemployment Healthcare Benefits. However, the UAL is amortized using combined Tier 1/Tier 2 and OPSRP payroll.

⁴ Reflects the transfer in assets and liabilities for new employers that joined the SLGRP effective 1/1/2006.

⁵ Reflects the transfer in assets and liabilities for new employers that joined the SLGRP effective 1/1/2008.

Solvency Test

Pension and Retiree Healthcare Plans

			Actu	aria	Accrued L	iabili	ty	_							
					Retired			-							
		Act	ive Member	Me	mbers and					Portion of A	ctuarial Accrue	d Liabilities			
Valuation		Co	ntributions	Be	neficiaries	Other Members (3)		١	/aluation	C	Covered by Assets				
Date ¹			(1)		(2)				Assets ²	(1)	(3)				
12/31/1995		\$	5,753.0	\$	7,492.8	\$	10,002.8	\$	20,957.6	100%	100%	77%			
12/31/1997		\$	8,135.4	\$	9,994.9	\$	13,534.6	\$	29,108.2	100%	100%	81%			
12/31/1999		\$	8,238.1	\$	14,333.7	\$	18,336.1	\$	39,964.8	100%	100%	95%			
12/31/2000		\$	10,142.5	\$	15,664.1	\$	17,543.9	\$	41,804.6	100%	100%	91%			
12/31/2001		\$	10,252.8	\$	17,465.9	\$	18,229.0	\$	39,852.2	100%	100%	67%			
12/31/2001	3	\$	10,252.8	\$	17,340.0	\$	10,228.8	\$	39,852.2	100%	100%	120%			
12/31/2002	3	\$	9,940.7	\$	19,339.0	\$	10,240.8	\$	36,316.8	100%	100%	69%			
12/31/2003	3	\$	9,005.8	\$	23,625.9	\$	11,993.9	\$	42,874.4	100%	100%	85%			
12/31/2004	4,5	\$	9,073.0	\$	25,363.0	\$	13,547.6	\$	45,735.3	100%	100%	83%			
12/31/2005	6,7	\$	9,169.7	\$	26,602.4	\$	14,044.7	\$	51,569.6	100%	100%	112%			
12/31/2006		\$	9,410.8	\$	27,711.3	\$	14,666.2	\$	56,844.8	100%	100%	134%			
12/31/2007	8	\$	9,225.0	\$	29,157.3	\$	15,011.8	\$	59,586.4	100%	100%	141%			

¹ An extensive revision of the actuarial assumptions occurs prior to each odd-year valuation; therefore, the figures are not directly comparable. Effective with the 12/31/2006 valuation, revisions to actuarial assumptions occur prior to each even-year valuation.

² Effective with the 12/31/2002 valuation, includes the value of UAL Lump Sum Side Accounts.

³ The 2001 valuation was revised to include the impact of PERS Reform Legislation enacted in 2003. Figures through 12/31/2003 do no reflect the judicial review or subsequent Board action.

Effective with the 2004 valuation, the Oregon Supreme Court rulings in Strunk v. PERB, et al. (Issued March 8, 2005) and City of Eugene v. State of Oregon, PERB, et al. (Issued August 11, 2005) are reflected.

⁵ Effective with the 2004 valuation, the cost method was changed from Entry Age Normal to Projected Unit Credit, and the actuarial value of assets was changed from a 4-year smoothed value to market value.

⁶ Assets and liabilities for OPSRP are first valued in the 2005 valuation.

⁷ Reflects the transfer in assets and liabilities for new employers that joined the SLGRP effective 1/1/2006.

⁸ Reflects the transfer in assets and liabilities for new employers that joined the SLGRP effective 1/1/2008.

Actuarial Schedules

Analysis of Financial Experience

Gains and Losses in Accrued Liability During Year Ended 2007 Resulting from Differences Between Assumed Experience and Actual Experience

	\$ Gain (or Loss) for Year
Pension and Retiree Healthcare Plans	 2007	2006
Type of Activity		
Retirements from Active Status	\$ (96.2) \$	(205.4)
Active Mortality and Withdrawal	64.3	20.9
Pay Increases	(68.6)	(23.3)
Contributions	65.4	36.3
Interest Crediting Experience	72.5	(79.3)
Investment Income	327.2	2,699.0
Retirement, Mortality and Lump Sums from Dormant Status	124.5	94.0
Retiree and Beneficiary Mortality	(82.9)	(52.4)
Data Corrections	54.7	-
Other	84.3	(116.7)
Gain (or Loss) During Year From Financial Experience	\$ 545.3 \$	2,373.1
Non-Recurring Items		
Assumption Changes	-	(74.0)
Composite Gain (or Loss) During Year	\$ 545.3 \$	2,299.2

GASB Nos. 25 and 43 Required Supplementary Information

Schedules of Funding Progress (dollar amounts in millions)

Actuarial Valuation Date	Actuarial Value of Assets (a)		Actuarial Accrued Liability (AAL) (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a % of Covered Payroll ((b-a)/c)
Pension Ben	efits						
12/31/2000		41,739.6	42,783.9	1,044.3	97.6%	6,195.9	16.9%
12/31/2001		39,772.7	45,386.1	5,613.4	87.6%	6,254.0 ²	89.8%
12/31/2001	3	39,772.7	37,258.3	(2,514.4)	106.7%	6,254.0	(40.2%)
12/31/2002	3	35,446.9	38,947.0	3,500.1	91.0%	6,383.5	54.8%
12/31/2003	3	42,753.3	44,078.1	1,324.8	97.0%	6,248.5	21.2%
12/31/2004	4,5	45,581.1	47,398.6	1,817.5	96.2%	6,772.4 ⁶	26.8%
12/31/2005	6, 7	51,382.6	49,294.0	(2,088.6)	104.2%	6,791.9	(30.8%)
12/31/2006		56,616.5	51,252.9	(5,363.5)	110.5%	7,326.8	(73.2%)
12/31/2007	8	59,327.8	52,871.2	(6,456.7)	112.2%	7,721.8	(83.6%)
Postemployr	nent H	lealthcare Bene	fits - Retirement	Health Insurance A	ccount		
12/31/2000		62.1	543.5	481.4	11.4%	6,195.9	7.8%
12/31/2001		76.6	532.1	455.5	14.4%	6,254.0 ²	7.3%
12/31/2001	3	76.6	533.2	456.6	14.4%	6,254.0	7.3%
12/31/2002	3	87.4	542.3	454.9	16.1%	6,383.5	7.1%
12/31/2003	3	117.1	522.5	405.4	22.4%	6,248.5	6.5%
12/31/2004	5	148.0	556.9	408.9	26.6%	6,772.4 ⁶	6.0%
12/31/2005		181.0	495.9	314.9	36.5%	6,791.9	4.6%
12/31/2006		221.3	511.8	290.5	43.2%	7,326.8	4.0%
12/31/2007		250.8	499.6	248.8	50.2%	7,721.8	3.2%
Postemplovr	nent H	ealthcare Bene	fits - Retiree Hea	Ith Insurance Prem	ium Account		
12/31/2000		2.9	23.1	20.2	12.6%	1,984.0	1.0%
12/31/2001		3.0	29.5	26.5	10.2%	1,954.1 ²	1.4%
12/31/2001	3	2.9	29.6	26.7	9.8%	1,954.1	1.4%
12/31/2002	3	2.9	30.1	27.2	9.6%	1,741.9	1.6%
12/31/2003	3	4.0	25.0	21.0	16.0%	1,711.9	1.2%
12/31/2004	5	5.2	28.2	23.0	18.4%	1,851.4 ⁶	1.2%
12/31/2005		6.1	27.0	20.9	22.7%	1,827.0	1.1%
12/31/2006		7.0	23.4	16.4	30.0%	1,946.8	0.8%
12/31/2007		7.8	23.3	15.5	33.6%	2,080.2	0.7%

Notes:

¹ Includes UAAL for Multnomah Fire District (\$144 million as of 12/31/2007)

² Effective with the 2001 valuation, Annual Active Member Payroll excludes the member pick-up, if any.

³ The 2001 valuation was revised to include the impact of PERS Reform Legislation enacted in 2003. Figures through 12/31/2003 do not reflect the judicial review or subsequent Board action.

⁴ Effective with the 2004 valuation, the Oregon Supreme Court rulings in Strunk v. PERB, et al. (Issued March 8, 2005) and City of Eugene v. State of Oregon, PERB, et al. (Issued August 11, 2005) are reflected.

⁵ Effective with the 2004 valuation, the cost method was changed from Entry Age Normal to Projected Unit Credit, and the actuarial value of assets was changed from a 4-year smoothed value to market value.

⁶ Assets and liabilities for OPSRP are first valued in the 2005 valuation. OPSRP payroll, however, was included in the amortization of the UAAL beginning with the 2004 valuation.

⁷ Reflects the transfer in assets and liabilities for new employers that joined the SLGRP effective 1/1/2006.

⁸ Reflects the transfer in assets and liabilities for new employers that joined the SLGRP effective 1/1/2008.

Mercer

GASB Nos. 25 and 43 Required Supplementary Information *(continued)*

Schedules of Employer Contributions

Dollar amounts in millions.

Actuarial	Annual	
Valuation	Required	Percentage
Date	Contribution ¹	Contributed
Defined Benefit	t Pension Plan	
12/31/2006	\$938.64	63.4%
12/31/2007	\$805.67	74.0%
Postemployme	nt Healthcare Benef	fits - Retirement
12/31/2006	\$44.32	89.1%
12/31/2007	\$38.82	91.3%
Postemployme	nt Healthcare Benef	fits - Retiree Hea
12/31/2006	\$2.54	90.1%
12/31/2007	\$2.73	78.7%

The Annual Required Contribution prior to 7/1/2007 is based on the 7/1/2005 rates developed in the 12/31/2003 Milliman valuation prior to the adjustment to phase-in the rate increase and adjusted for supplemental payments since 12/31/2003. For most employers, the actual pension amount contributed from 7/1/2005 to 6/30/2007 was based on the phased-in rates.

GASB Nos. 25 and 43 Required Supplementary Information *(continued)*

Notes to Required Supplementary Schedules

Valuation Date:	December 31, 2007					
Actuarial Cost Method:	Projected Unit Credit					
Amortization Method	The UAL is amortized as a level percentage of payroll. The change in UAL due to the change from Entry Age Normal to Projected Unit Credit on December 31, 2004 is amortized over a rolling 3-year period. The Tier 1/Tier 2 regular UAL and Retiree Healthcare regular UAL as of December 31, 2007 is amortized over a closed 20-year period. Gains and losses between subsequent odd-year valuations are amortized as a level percentage of combined valuation payroll over a closed 20 years from the odd-year valuation in which they are first recognized. Gains and losses for OPSRP benefits are amortized over a closed 16 years from the odd-year valuation in which they are first recognized.					
Equivalent Single Amortization Period:						
Pension	3 years					
RHIA	30 years					
RHIPA	30 years					
The Equivalent Single Amortization Period ca most recently in the December 31, 2007 actu	Iculation is performed with the ARC-setting valuation. This was calculated arial valuation.					
Actuarial Assumptions:						
Investment Rate of Return:	8.00 percent					
Payroll Growth:	3.75 percent					
Consumer Price Inflation:	2.75 percent					
Health Cost Inflation:	Graded from 8.0 percent in 2008 to 5.0 percent in 2013.					
Cost-of-Living Adjustments:	2.00 percent					
Method used to Value Assets:	The actuarial value of assets equals the fair market value of assets, excluding the Contingency, Capital Preservation and Rate Guarantee Reserve.					

Data

This valuation is based upon the membership of the System as of December 31, 2007.

System Wide Data Exhibits

Valuation Pay and Census Exhibit

The following tables illustrate the breakdown of member counts and valuation payroll for the SLGRP, School District Pool, and Independent Employers.

SLGRP

	General Service	Police & Fire	Total
Tier 1	1,652,868,000	304,614,072	1,957,482,072
Tier 2	1,218,948,062	271,627,454	1,490,575,516
Tier 1/Tier 2 Valuation Payroll	2,871,816,062	576,241,526	3,448,057,588
OPSRP Valuation Payroll	719,461,592	96,668,619	816,130,211
Combined Valuation Payroll	3,591,277,654	672,910,145	4,264,187,799

				De	ece	mber 31		
				2007				2006
		Tier 1		Tier 2		OPSRP	Total	
Active Members								
General Service		28,440		25,592		19,490	73,522	67,289
Police & Fire		4,253		4,517		2,015	10,785	10,282
Total		32,693		30,109		21,505	84,307	77,571
Average Age		51.8		45.0		39.4	46.2	46.0
Average Service		18.5		7.4		2.3	10.4	10.3
Average Valuation Pay	\$	59,875	\$	49,506	\$	37,951	\$ 50,579	\$ 47,766
Active Members outside the Po	ool with pr	evious Segm	ents	in the Pool				
General Service		7,031		3,649			10,680	12,496
Police & Fire		538		388			926	933
Total		7,569		4,037			11,606	13,429
Average Age		51.0		41.5			47.7	48.1
Average Service		2.3		1.4			2.0	2.8
Dormant Members ¹								
General Service		14,859		11,245		86	26,190	23,105
Police & Fire		706		643		3	1,352	1,344
Total		15,565		11,888		89	27,542	24,449
Average Age		53.2		45.1		70.3	49.8	48.2
Average Monthly Benefit	\$	1,559	\$	476	\$	35	\$ 1,087	\$ 1,208
Retired Members and Benefici	aries ¹							
General Service		51,338		927			52,265	50,714
Police & Fire		6,793		186			6,979	6,636
Total		58,131		1,113			59,244	57,350
Average Age		69.2		63.1			69.1	68.8
Average Monthly Benefit	\$	1,714	\$	460			\$ 1,690	\$ 1,630
Grand Total Number of Membe	ers	113,958		47,147		21,594	182,699	172,799

¹ Dormant and Retiree counts are by lives within each rate pool. As a result, some individuals may be counted more than once.

Data

System Wide Data Exhibits (continued)

Valuation Pay and Census Exhibit (continued)

School District Pool

	General Service	Police & Fire	Total
Tier 1	1,315,952,625	2,883,511	1,318,836,136
Tier 2	864.966.579	1.229.561	
	, ,	, -,	866,196,140
Tier 1/Tier 2 Valuation Payroll	2,180,919,204	4,113,072	2,185,032,276
OPSRP Valuation Payroll	507,791,072	484,125	508,275,197
Combined Valuation Payroll	2,688,710,276	4,597,197	2,693,307,473

				De	ece	mber 31		
				2007				2006
		Tier 1		Tier 2		OPSRP	Total	
Active Members								
General Service		26,353		23,555		18,647	68,555	65,868
Police & Fire		52		28		11	91	84
Total		26,405		23,583		18,658	68,646	65,952
Average Age		51.9		44.3		39.5	45.9	45.8
Average Service		18.3		7.1		2.3	10.1	10.2
Average Valuation Pay	\$	49,946	\$	36,730	\$	27,242	\$ 39,235	\$ 38,908
Active Members outside the Po	ool with pro	evious Segm	ents	in the Pool				
General Service		2,621		1,417			4,038	3,859
Police & Fire		13		5			18	15
Total		2,634		1,422			4,056	3,874
Average Age		52.1		42.7			48.8	48.6
Average Service		4.2		2.1			3.5	3.4
Dormant Members ¹								
General Service		9,253		7,447		61	16,761	17,275
Police & Fire		54		27		0	81	29
Total		9,307		7,474		61	16,842	17,304
Average Age		54.0		44.9		69.4	50.0	48.1
Average Monthly Benefit	\$	1,260	\$	408	\$	28	\$ 877	\$ 947
Retired Members and Beneficia	aries ¹							
General Service		52,440		459			52,899	51,991
Police & Fire		116		10			126	114
Total		52,556		469			53,025	52,105
Average Age		70.2		63.4			70.1	70.0
Average Monthly Benefit	\$	1,783	\$	446			\$ 1,771	\$ 1,707
Grand Total Number of Membe	ers	90,902		32,948		18,719	142,569	139,235

¹ Dormant and Retiree counts are by lives within each rate pool. As a result, some individuals may be counted more than once.

System Wide Data Exhibits (continued)

Valuation Pay and Census Exhibit (continued)

Independents

	General Service	Police & Fire	Total
Tier 1	239,969,609	111,470,344	351,439,953
Tier 2	195,579,852	81,824,952	277,404,804
Tier 1/Tier 2 Valuation Payroll	435,549,461	193,295,296	628,844,757
OPSRP Valuation Payroll	105,969,580	29,509,749	135,479,329
Combined Valuation Payroll	541,519,041	222,805,045	764,324,086

				De	ece	mber 31		
				2007				2006
		Tier 1		Tier 2		OPSRP	Total	
Active Members								
General Service		4,090		4,009		2,866	10,965	16,659
Police & Fire		1,376		1,177		552	3,105	3,079
Total		5,466		5,186		3,418	14,070	19,738
Average Age		51.0		43.9		38.6	45.4	44.9
Average Service		18.2		7.4		2.3	10.4	10.2
Average Valuation Pay	\$	64,296	\$	53,491	\$	39,637	\$ 54,323	\$ 53,930
Active Members outside the Po	ool with pre	vious Segm	ents	in the Pool				
General Service		1,864		1,251			3,115	3,308
Police & Fire		440		305			745	748
Total		2,304		1,556			3,860	4,056
Average Age		50.2		41.5			46.7	46.3
Average Service		3.9		1.9			3.1	3.0
Dormant Members ¹								
General Service		2,015		1,620		16	3,651	7,916
Police & Fire		231		154		0	385	323
Total		2,246		1,774		16	4,036	8,239
Average Age		52.5		45.1		69.7	49.3	46.8
Average Monthly Benefit	\$	1,297	\$	482	\$	27	\$ 934	\$ 1,008
Retired Members and Beneficia	aries ¹							
General Service		7,000		183			7,183	8,430
Police & Fire		2,279		33			2,312	2,337
Total		9,279		216			9,495	10,767
Average Age		68.2		63.5			68.1	67.4
Average Monthly Benefit	\$	1,714	\$	424			\$ 1,685	\$ 1,467
Grand Total Number of Membe	ers	19,295		8,732		3,434	31,461	42,800

¹ Dormant and Retiree counts are by lives within each rate pool. As a result, some individuals may be counted more than once.

System Wide Data Exhibits (continued)

Valuation Pay and Census Exhibit (continued)

Total

	General Service	Police & Fire	Total
Tier 1	3,208,790,234	418,967,927	3,627,758,161
Tier 2	2,279,494,493	354,681,967	2,634,176,460
Tier 1/Tier 2 Valuation Payroll	5,488,284,727	773,649,894	6,261,934,621
OPSRP Valuation Payroll	1,333,222,244	126,662,493	1,459,884,737
Combined Valuation Payroll	6,821,506,971	900,312,387	7,721,819,358

			De	ece	mber 31		
			2007				2006
		Tier 1	Tier 2		OPSRP	Total	
Active Members							
General Service		58,883	53,156		41,003	153,042	149,816
Police & Fire		5,681	5,722		2,578	13,981	13,445
Total		64,564	58,878		43,581	167,023	163,261
Average Age		51.8	44.6		39.4	46.0	45.8
Average Service		18.4	7.2		2.3	10.3	10.3
Average Valuation Pay	\$	56,189	\$ 44,740	\$	33,500	\$ 46,232	\$ 44,878
Dormant Members ¹							
General Service		26,127	20,312		163	46,602	48,296
Police & Fire		991	824		3	1,818	1,696
Total		27,118	21,136		166	48,420	49,992
Average Age		53.4	45.0		69.9	49.8	47.9
Average Monthly Benefit	\$	1,435	\$ 452	\$	32	\$ 1,001	\$ 1,085
Retired Members and Beneficiario	es ¹						
General Service		110,778	1,569			112,347	111,135
Police & Fire		9,188	229			9,417	9,087
Total		119,966	1,798			121,764	120,222
Average Age		69.6	63.2			69.5	69.2
Average Monthly Benefit	\$	1,744	\$ 452			\$ 1,725	\$ 1,649
Grand Total Number of Members		211,648	81,812		43,747	337,207	333,475

¹ Dormant and Retiree counts are by lives within each rate pool. As a result, some individuals may be counted more than once.

System Wide Data Exhibits (continued)

Age/Service and Valuation Payroll by Tier and Job Class

Tier 1 General Service Active Members

	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	Total
20-24	0	0	0	0	0	0	0	0	0	0
	\$ 0	0	0	0	0	0	0	0	0	0
25-29	0	0	3	0	0	0	0	0	0	3
	\$ 0	0	*	0	0	0	0	0	0	*
30-34	0	46	241	10	0	0	0	0	0	297
	\$ 0	35,032	44,254	*	0	0	0	0	0	43,119
35-39	8	218	2,007	480	10	0	0	0	0	2,723
	\$ *	36,262	53,025	52,274	*	0	0	0	0	51,430
40-44	12	229	2,612	2,313	508	12	0	0	0	5,686
	\$ *	37,366	54,117	58,721	54,270	*	0	0	0	55,327
45-49	29	259	3,090	3,506	2,413	703	0	0	0	10,000
	\$ 39,851	40,231	49,158	55,467	60,709	55,626	0	0	0	54,354
50-54	15	241	3,965	5,038	3,328	3,639	64	0	0	16,290
	\$ *	38,087	47,152	53,863	59,565	61,778	60,667	0	0	54,946
55-59	15	216	3,477	5,228	3,504	3,529	125	5	0	16,099
	\$ *	38,380	47,547	53,273	58,678	63,764	69,213	*	0	55,448
60-64	13	92	1,503	2,268	1,460	1,063	52	4	0	6,455
	\$ *	38,750	49,321	53,210	56,422	61,658	75,755	*	0	54,373
65-69	4	34	311	414	201	154	11	2	0	1,131
	\$ *	29,115	45,970	51,171	58,013	61,422	*	*	0	51,764
70-74	2	10	53	42	29	16	4	0	0	156
	\$ *	*	*	*	*	*	*	0	0	*
75+	0	2	14	17	4	6	0	0	0	43
	\$ 0	*	*	*	*	*	0	0	0	*
Total	98	1,347	17,276	19,316	11,457	9,122	256	11	0	58,883
	\$ 40,286	37,504	49,270	54,237	58,690	61,897	67,538	*	0	54,487

System Wide Data Exhibits (continued)

Age/Service and Valuation Payroll by Tier and Job Class (continued)

Tier 2 General Service Active Members

	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	Total
20-24	103	35	0	0	0	0	0	0	0	138
	\$ 22,106	25,680	0	0	0	0	0	0	0	23,013
25-29	1,286	950	17	0	0	0	0	0	0	2,253
	\$ 36,336	37,277	*	0	0	0	0	0	0	36,756
30-34	1,930	5,070	304	0	0	0	0	0	0	7,304
	\$ 39,151	44,376	48,288	0	0	0	0	0	0	43,158
35-39	1,555	5,803	983	0	0	0	0	0	0	8,341
	\$ 39,760	46,701	51,161	0	0	0	0	0	0	45,933
40-44	1,338	5,375	859	0	0	0	0	0	0	7,572
	\$ 38,440	44,982	50,175	0	0	0	0	0	0	44,415
45-49	1,320	5,951	1,115	0	0	0	0	0	0	8,386
	\$ 36,618	41,980	46,842	0	0	0	0	0	0	41,782
50-54	1,155	5,944	1,258	0	0	0	0	0	0	8,357
	\$ 37,018	42,409	45,194	0	0	0	0	0	0	42,083
55-59	900	4,482	1,014	0	0	0	0	0	0	6,396
	\$ 38,160	43,802	45,624	0	0	0	0	0	0	43,297
60-64	477	2,339	498	0	0	0	0	0	0	3,314
	\$ 39,952	44,555	46,868	0	0	0	0	0	0	44,240
65-69	120	599	124	0	0	0	0	0	0	843
	\$ 30,597	39,558	45,246	0	0	0	0	0	0	39,119
70-74	32	142	23	0	0	0	0	0	0	197
	\$ *	*	*	0	0	0	0	0	0	*
75+	12	39	4	0	0	0	0	0	0	55
	\$ *	*	*	0	0	0	0	0	0	*
Total	10,228	36,729	6,199	0	0	0	0	0	0	53,156
	\$ 37,739	43,568	47,272	0	0	0	0	0	0	42,878

System Wide Data Exhibits (continued)

Age/Service and Valuation Payroll by Tier and Job Class (continued)

Tier 1 Police and Fire Active Members

	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	Total
20-24	0	0	0	0	0	0	0	0	0	0
	\$ 0	0	0	0	0	0	0	0	0	0
25-29	0	0	1	0	0	0	0	0	0	1
	\$ 0	0	*	0	0	0	0	0	0	*
30-34	1	6	68	2	0	0	0	0	0	77
	\$ *	*	74,209	*	0	0	0	0	0	72,526
35-39	0	12	642	147	2	0	0	0	0	803
	\$ 0	*	74,987	78,922	*	0	0	0	0	75,491
40-44	0	10	460	702	100	2	0	0	0	1,274
	\$ 0	*	75,132	77,359	78,742	*	0	0	0	76,422
45-49	0	6	242	533	410	117	0	0	0	1,308
	\$ 0	*	70,282	74,139	81,007	84,617	0	0	0	76,385
50-54	0	3	161	369	340	331	10	0	0	1,214
	\$ 0	*	64,301	70,140	77,712	80,706	*	0	0	74,376
55-59	0	3	105	230	182	176	13	0	0	709
	\$ 0	*	59,582	65,290	68,868	78,834	*	0	0	68,874
60-64	0	5	45	94	56	49	1	1	0	251
	\$ 0	*	56,582	66,133	62,499	79,843	*	*	0	66,487
65-69	0	1	12	14	5	4	0	0	0	36
	\$ 0	*	*	*	*	*	0	0	0	*
70-74	0	0	3	1	1	1	1	0	0	7
	\$ 0	0	*	*	*	*	*	0	0	*
75+	0	0	0	1	0	0	0	0	0	1
	\$ 0	0	0	*	0	0	0	0	0	*
Total	1	46	1,739	2,093	1,096	680	25	1	0	5,681
	\$ *	54,804	71,304	72,949	76,317	80,202	74,286			73,821

System Wide Data Exhibits (continued)

Age/Service and Valuation Payroll by Tier and Job Class (continued)

Tier 2 Police and Fire Active Members

	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	Total
20-24	5	0	0	0	0	0	0	0	0	5
	\$ *	0	0	0	0	0	0	0	0	*
25-29	153	172	0	0	0	0	0	0	0	325
	\$ 53,250	62,232	0	0	0	0	0	0	0	58,004
30-34	197	1,106	103	0	0	0	0	0	0	1,406
	\$ 58,089	65,191	68,318	0	0	0	0	0	0	64,425
35-39	127	1,114	314	0	0	0	0	0	0	1,555
	\$ 58,314	65,703	69,677	0	0	0	0	0	0	65,902
40-44	84	626	202	0	0	0	0	0	0	912
	\$ 53,907	63,311	67,290	0	0	0	0	0	0	63,326
45-49	55	411	112	0	0	0	0	0	0	578
	\$ 53,686	59,220	59,844	0	0	0	0	0	0	58,814
50-54	39	305	87	0	0	0	0	0	0	431
	\$ 56,862	56,028	61,722	0	0	0	0	0	0	57,253
55-59	39	233	54	0	0	0	0	0	0	326
	\$ 48,131	55,899	58,596	0	0	0	0	0	0	55,417
60-64	17	114	22	0	0	0	0	0	0	153
	\$ *	55,048	49,016	0	0	0	0	0	0	54,526
65-69	3	11	6	0	0	0	0	0	0	20
	\$ *	*	*	0	0	0	0	0	0	*
70-74	0	7	1	0	0	0	0	0	0	8
	\$ 0	*	*	0	0	0	0	0	0	*
75+	0	2	1	0	0	0	0	0	0	3
	\$ 0	*	*	0	0	0	0	0	0	*
Total	719	4,101	902	0	0	0	0	0	0	5,722
	\$ 55,293	62,511	65,214	0	0	0	0	0	0	62,030

System Wide Data Exhibits (continued)

Age/Service and Valuation Payroll by Tier and Job Class (continued)

All Tier 1/Tier 2 Active Members

	 0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	Total
20-24	108	35	0	0	0	0	0	0	0	143
	\$ 22,885	25,680	0	0	0	0	0	0	0	23,569
25-29	1,439	1,122	21	0	0	0	0	0	0	2,582
	\$ 38,134	41,103	43,125	0	0	0	0	0	0	39,465
0-34	2,128	6,228	716	12	0	0	0	0	0	9,084
	\$ 40,894	48,021	52,273	*	0	0	0	0	0	46,697
5-39	1,690	7,147	3,946	627	12	0	0	0	0	13,422
	\$ 41,056	49,375	57,459	58,522	*	0	0	0	0	51,130
0-44	1,434	6,240	4,133	3,015	608	14	0	0	0	15,444
	\$ 39,450	46,547	56,281	63,061	58,295	*	0	0	0	52,190
5-49	1,404	6,627	4,559	4,039	2,823	820	0	0	0	20,272
	\$ 37,353	42,984	49,976	57,931	63,657	59,763	0	0	0	50,702
0-54	1,209	6,493	5,471	5,407	3,668	3,970	74	0	0	26,292
	\$ 37,730	42,886	47,438	54,973	61,247	63,356	63,377	0	0	51,792
5-59	954	4,934	4,650	5,458	3,686	3,705	138	5	0	23,530
	\$ 38,959	44,143	47,527	53,779	59,181	64,480	69,826	*	0	52,549
0-64	507	2,550	2,068	2,362	1,516	1,112	53	5	0	10,173
	\$ 40,342	44,856	48,885	53,724	56,646	62,460	75,562	*	0	51,373
5-69	127	645	453	428	206	158	11	2	0	2,030
	\$ 29,183	38,271	43,945	49,498	56,605	59,867	*	*	0	45,085
0-74	34	159	80	43	30	17	5	0	0	368
	\$ *	*	*	*	*	*	*	0	0	0
5+	12	43	19	18	4	6	0	0	0	102
	\$ *	*	*	*	*	*	0	0	0	0
otal	11,046	42,223	26,116	21,409	12,553	9,802	281	12	0	123,442
	\$ 38,902	45,227	50,814	56,067	60,229	63,166	68,138	*	0	50,728

valuation payroll excludes projected pay for members over the mandatory retirement age. Av members. However, these amounts are included in the calculation of average valuation pay.

System Wide Data Exhibits (continued)

Age/Service and Valuation Payroll by Rate Pool

SLGRP Active Members

	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	Total
20-24	66	26	0	0	0	0	0	0	0	92
	\$ 25,357	27,229	0	0	0	0	0	0	0	25,886
25-29	579	678	14	0	0	0	0	0	0	1,271
	\$ 38,634	42,100	*	0	0	0	0	0	0	40,553
30-34	880	2,922	476	6	0	0	0	0	0	4,284
	\$ 42,130	50,119	53,286	*	0	0	0	0	0	48,838
35-39	783	3,687	2,075	427	8	0	0	0	0	6,980
	\$ 45,348	51,772	59,036	58,409	*	0	0	0	0	53,612
40-44	649	3,207	2,232	1,622	384	12	0	0	0	8,106
	\$ 45,671	51,300	58,562	63,781	58,103	*	0	0	0	55,682
45-49	617	3,244	2,292	2,132	1,359	514	0	0	0	10,158
	\$ 44,491	50,080	55,978	60,127	64,052	59,843	0	0	0	55,543
50-54	596	3,184	2,524	2,779	1,928	1,695	54	0	0	12,760
	\$ 44,778	50,280	54,536	59,893	63,944	62,990	62,597	0	0	56,764
55-59	490	2,594	2,284	2,656	1,911	1,805	86	3	0	11,829
	\$ 44,497	50,078	53,636	59,294	63,843	66,384	67,559	*	0	57,442
60-64	321	1,494	1,134	1,340	854	650	35	3	0	5,831
	\$ 45,612	49,035	53,283	57,894	61,633	68,519	68,927	*	0	55,843
65-69	67	365	281	268	126	98	9	1	0	1,215
	\$ 33,462	44,496	48,266	54,230	60,657	70,607	*	*	0	50,922
70-74	16	89	42	23	22	14	4	0	0	210
	\$ *	*	*	*	*	*	*	0	0	*
75+	6	28	12	15	1	4	0	0	0	66
	\$ *	*	*	*	*	*	0	0	0	*
Total	5,070	21,518	13,366	11,268	6,593	4,792	188	7	0	62,802
	\$ 43,213	49,868	55,487	59,723	62,991	64,593	65,362	*	0	54,842

System Wide Data Exhibits (continued)

Age/Service and Valuation Payroll by Rate Pool (continued)

School District Active Members

	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	Total
20-24	26	8	0	0	0	0	0	0	0	34
	\$ 19,238	*	0	0	0	0	0	0	0	19,744
25-29	758	297	4	0	0	0	0	0	0	1,059
	\$ 36,214	33,479	*	0	0	0	0	0	0	35,439
30-34	1,078	2,685	140	3	0	0	0	0	0	3,906
	\$ 38,154	43,284	42,714	*	0	0	0	0	0	41,848
35-39	767	2,741	1,437	116	1	0	0	0	0	5,062
	\$ 35,102	43,779	52,003	52,295	*	0	0	0	0	44,994
40-44	673	2,432	1,510	1,073	143	1	0	0	0	5,832
	\$ 31,832	37,728	50,256	59,519	54,080	*	0	0	0	44,701
45-49	683	2,892	1,943	1,527	1,225	221	0	0	0	8,491
	\$ 28,503	33,517	41,001	52,622	61,451	54,467	0	0	0	42,837
50-54	529	2,791	2,524	2,177	1,417	1,957	15	0	0	11,410
	\$ 28,485	32,957	38,685	47,082	56,364	62,522	*	0	0	44,728
55-59	382	1,930	2,017	2,351	1,502	1,641	41	0	0	9,864
	\$ 30,636	34,675	39,213	46,549	52,455	61,545	72,023	0	0	45,610
60-64	141	831	771	833	546	390	12	1	0	3,525
	\$ 28,436	35,863	41,000	46,129	48,395	51,703	*	*	0	43,046
65-69	46	221	150	119	67	49	2	1	0	655
	\$ 23,187	27,430	35,911	39,259	49,268	42,179	*	*	0	34,728
70-74	16	55	34	14	4	2	0	0	0	125
	\$ *	*	*	*	*	*	0	0	0	*
75+	5	10	6	1	2	1	0	0	0	25
	\$ *	*	*	*	*	*	0	0	0	*
Total	5,104	16,893	10,536	8,214	4,907	4,262	70	2	0	49,988
	\$ 33,061	37,281	42,723	49,361	55,316	60,454	73,114	*	0	43,782

System Wide Data Exhibits (continued)

Age/Service and Valuation Payroll by Rate Pool (continued)

Independent Employers Active Members

	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	Total
20-24	16	1	0	0	0	0	0	0	0	17
	\$ *	*	0	0	0	0	0	0	0 *	
25-29	102	147	3	0	0	0	0	0	0	252
	\$ 49,563	51,904	*	0	0	0	0	0	0	50,892
30-34	170	621	100	3	0	0	0	0	0	894
	\$ 51,870	58,632	60,835	*	0	0	0	0	0	57,629
35-39	140	719	434	84	3	0	0	0	0	1,380
	\$ 49,678	58,414	67,983	67,692	*	0	0	0	0	61,086
40-44	112	601	391	320	81	1	0	0	0	1,506
	\$ 49,178	56,865	66,522	71,289	66,643	*	0	0	0	62,394
45-49	104	491	324	380	239	85	0	0	0	1,623
	\$ 53,130	51,858	61,338	66,945	72,721	73,046	0	0	0	61,546
50-54	84	518	423	451	323	318	5	0	0	2,122
	\$ 45,942	50,938	57,322	62,748	66,576	70,447	*	0	0	59,883
55-59	82	410	349	451	273	259	11	2	0	1,837
	\$ 44,642	51,161	55,600	58,993	63,551	69,798	*	*	0	58,307
60-64	45	225	163	189	116	72	6	1	0	817
	\$ 40,051	50,324	55,590	57,637	58,769	66,025	*	*	0	55,402
65-69	14	59	22	41	13	11	0	0	0	160
	\$ *	40,372	43,525	48,283	*	*	0	0	0	43,165
70-74	2	15	4	6	4	1	1	0	0	33
	\$ *	*	*	*	*	*	*	0	0	*
75+	1	5	1	2	1	1	0	0	0	11
	\$ *	*	*	*	*	*	0	0	0	*
Total	872	3,812	2,214	1,927	1,053	748	23	3	0	10,652
	\$ 48,027	54,240	61,103	63,272	65,830	69,486	75,689	*	0	59,066

System Wide Data Exhibits (continued)

Age/Service and Valuation Payroll by Rate Pool (continued)

OPSRP Active Members Age and Valuation Payroll

	General Police and			
Age	Service		Fire	Total
<20	139			139
	\$ 9,274			\$ 9,274
20-24	2,114		167	2,281
	\$ 22,223	\$	42,165	\$ 23,683
25-29	7,778		771	8,549
	\$ 31,282	\$	50,565	\$ 33,021
30-34	6,208		595	6,803
	\$ 35,055	\$	50,427	\$ 36,399
35-39	5,680		388	6,068
	\$ 35,348	\$	50,079	\$ 36,290
40-44	5,044		217	5,261
	\$ 32,728	\$	49,309	\$ 33,412
45-49	4,783		170	4,953
	\$ 32,336	\$	46,280	\$ 32,815
50-54	4,123		119	4,242
	\$ 33,498	\$	52,212	\$ 34,023
55-59	2,965		97	3,062
	\$ 35,153	\$	46,921	\$ 35,526
60-64	1,582		39	1,621
	\$ 32,236	\$	47,883	\$ 32,612
65-69	404		12	416
	\$ 25,158		*	\$ 24,432
70-74	118		2	120
	*		*	\$ -
75+	65		1	66
	*		*	-
TOTAL	41,003		2,578	43,581
	\$ 32,515	\$	49,132	\$ 33,498

System Wide Data Exhibits (continued)

Inactive Member Data Exhibits

For the following exhibits, inactive members are counted by lives, not by segments.

Total Tier 1/ Tier 2

Dormants

		Average
		Monthly
	Count	Benefit
0-20	0	0
20-24	246	99
25-29	1,426	313
30-34	3,334	794
35-39	4,276	1,131
40-44	4,425	1,288
45-49	5,722	1,368
50-54	8,402	1,414
55-59	8,748	1,191
60-64	4,322	761
65-69	1,575	585
70-74	520	400
75+	787	335
Total	43,783	1,107

Monthly Count Benefit 0-45 513 1,195 45-49 421 1,520 50-54 1,914 2,749 55-59 10,900 2,889 21,653 2,563 60-64 65-69 20,662 2,206 70-74 15,734 1,891 75-79 12,568 1,567 10,449 80-84 1,215 85-90 6,765 911 90-94 2,922 733 678 95-99 731

104

105,336

Average

545

1,995

Benefits in Force

OPSRP

Dormants

		Average
		Monthly
	Count	Benefit
0-20	0	0
20-24	0	0
25-29	0	0
30-34	0	0
35-39	0	0
40-44	0	0
45-49	0	0
50-54	0	0
55-59	0	0
60-64	10	29
65-69	102	34
70-74	34	34
75+	20	20
Total	166	32

Mercer

Benefits in Force

100+

Total

		Average
		Monthly
	Count	Benefit
0-45	0	0
45-49	0	0
50-54	0	0
55-59	0	0
60-64	0	0
65-69	0	0
70-74	0	0
75-79	0	0
80-84	0	0
85-90	0	0
90-94	0	0
95-99	0	0
100+	0	0
Total	0	0

System Wide Data Exhibits (continued) Inactive Member Data Exhibits (continued)

System-Wide Totals

Dormants Benefits in Force Average Average Monthly Monthly Count Benefit Count Benefit 0-20 0 0 0-45 513 1,195 20-24 246 99 45-49 421 1,520 313 25-29 1,426 50-54 1,914 2,749 30-34 3,334 794 55-59 10,900 2,889 35-39 4,276 1,131 60-64 21,653 2,563 65-69 40-44 4,425 1,288 20,662 2,206 45-49 5,722 70-74 15,734 1,368 1,891 50-54 8,402 1,414 75-79 12,568 1,567 55-59 8,748 1,191 80-84 10,449 1,215 4,332 760 85-90 6,765 911 60-64 65-69 1,677 552 90-94 2,922 733 70-74 554 378 95-99 731 678 75+ 807 327 100+ 104 545 Total 43,949 1,103 Total 105,336 1,995

Actuarial Methods and Valuation Procedures

The Board adopted the following actuarial methods and valuation procedures for the December 31, 2006 and 2007, actuarial valuations of PERS Tier 1/Tier 2 benefits. The actuarial methods and procedures were first adopted effective December 31, 2004.

Actuarial cost method	Projected Unit Credit. Under the Projected Unit Credit cost method, the objective is to fund each member's benefit under the plan as it accrues, taking into consideration expected future compensation increases. Thus, the total pension to which each member is expected to become entitled at retirement is broken down into units, each associated with a year of past or future credited service. Typically, when this method is introduced, there will be an initial liability for benefits credited for service prior to that date, and to the extent that the liability is not covered by assets of the plan, there is an unfunded liability to be funded over a stipulated period in accordance with an amortization schedule. A detailed description of the calculation follows:
	• An individual member's accrued benefit for valuation purposes related to a particular separation date is the accrued benefit described under the plan, determined using the projected compensation and service that would be used in the calculation of the benefit on the expected separation date, multiplied by the ratio of credited service as of the valuation date over credited service as of the expected separation date. In no event can this be less than the accrued benefit described under the plan, determined using the compensation and service as of the valuation date.
	 The benefit deemed to accrue for an individual member during a plan year is the excess of the accrued benefit for valuation purposes at the end of the plan year over the accrued benefit for valuation purposes at the beginning of the plan year. Both accrued benefits are calculated from the same projections to the various anticipated separation dates as described above.
	 An individual member's accrued liability is the present value of the accrued benefit for valuation purposes at the beginning of the plan year, and an individual member's normal cost is the present value of the benefit deemed to accrue in the plan year. The accrued liability and the normal cost for an individual member are the sum of the component accrued liabilities and normal costs associated with the various anticipated separation dates. Such accrued liabilities and normal costs reflect the accrued benefits as modified to obtain the benefits payable on those dates and the probability of the member separating on those dates. The plan's normal cost is the sum of the individual member normal costs, and the plan's accrued liability is the sum of the accrued liabilities for all members under the plan.
Amortization of change in Unfunded Actuarial Liability (UAL) due to change in actuarial cost method (PUC change UAL)	The change in UAL due to the change from Entry Age Normal to Projected Unit Credit on December 31, 2004 is amortized as a level percentage of combined valuation payroll over a rolling three-year period.

Actuarial Methods and Valuation Procedures (continued)

Tier 1/Tier 2 UAL and Retiree Healthcare UAL amortization	The Tier 1/Tier 2 regular UAL and Retiree Healthcare regular UAL as of December 31, 2007 are amortized as a level percentage of combined valuation payroll over a closed 20-year period. Gains and losses between subsequent odd-year valuations are amortized as a level percentage of combined valuation payroll over 20 years from the odd-year valuation in which they are first recognized.
Asset valuation method	The actuarial value of assets equals the market value of assets, excluding the Contingency, Capital Preservation and Rate Guarantee Reserves.
Contribution rate stabilization method	Contribution rates are confined to a collar based on the prior contribution rate (prior to application of side accounts). The new contribution rate will not increase or decrease from the prior contribution rate by more than the greater of 3 percentage points or 20 percent of the prior contribution rate. If the funded percentage drops below 80% or increases above 120%, the size of the collar doubles.

Economic Assumptions

The Board adopted the following economic assumptions for the December 31, 2006 and 2007 actuarial valuations. The investment return assumption was first adopted in 1989, and the interest crediting assumptions were adopted in 2003. All other economic assumptions were first adopted in 2005.

Investment return	8.0% compounded annually		
Interest crediting	8.0% compounded annually on members' regular account balances 8.5% compounded annually on members' variable account balances		
Inflation	2.75% compounded annually		
Payroll growth	3.75% compounded annually. This assumption represents the sum of the inflation assumption and a real wage growth assumption of 100 basis points.		
Healthcare cost inflation	Health cost trend rates are used to pre Maximum Subsidy.	edict increases in the RHIPA	
	Year ¹	Rate	
	2008	8.0%	
	2009	7.0%	
	2010	6.5%	
	2011	6.0%	
	2012	5.5%	
	2013+	5.0%	

¹ For valuation purposes, the health cost trend rates are assumed to be applied at the beginning of the plan year.

Demographic Assumptions

The Board adopted the following demographic assumptions for the December 31, 2006 and 2007 actuarial valuations.

Mortality

The following mortality tables were used in the December 31, 2007 valuation. Mortality rates for School District males and General Service males were first adopted effective December 31, 2005. All other mortality rates were adopted effective December 31, 2001.

Healthy Retired Members

Basic Table	RP 2000, Combined Active/Healthy Retired, No Collar, Sex Distinct
School District male	Set back 36 months
Other General Service male	Set back 24 months
Police & Fire male	Set back 12 months
School District female	Set back 36 months
Other female	Set back 18 months
Beneficiary male	Set back 24 months
Beneficiary female	Set back 18 months

The following disabled retiree mortality rates were used for the December 31, 2007 actuarial valuation. These rates were first adopted effective December 31, 2005.

Disabled Retired Members

Basic Table	RP 2000, Combined Active/Healthy Retired, No Collar, Sex Distinct	
Male	Set Forward 36 months, min of 2.5%	
Female	Set Forward 36 months, min of 2.75%	

The following mortality rates were used for non-retired members for the December 31, 2007 actuarial valuation. The Board adopted the rates below for non-retired members effective with the December 31, 2005 actuarial valuation, except for School District females, which were adopted with the December 31, 2001 actuarial valuation.

Non-Retired Members

Basic Table	Percent of Healthy Retired Mortality Tables
Police & Fire Male	70%
Other Male	65%
School District Female	50%
Other Female	55%

Demographic Assumptions (continued)

Retirement Assumptions

The retirement assumptions used in the actuarial valuation include the following:

- Retirement from active status/dormant status
- Probability a member will elect a lump sum option at retirement
- Percentage of members who elect to purchase credited service at retirement.

Rates of Retirement from Active Status

The following retirement rate assumptions were used in the December 31, 2007 valuation. These rates were first adopted December 31, 2005, but were adjusted for certain age ranges for the December 31, 2006 valuation.

Judge members are assumed to retire at age 63.

	Other						
	Police	& Fire	School	District	General	Service	General Service
Age	< 25 yrs	25+ yrs	Tier 1 < 30 yrs	Tier 2 < 30 yrs	Tier 1 < 30 yrs	Tier 2 < 30 yrs	30+ yrs
< 50							40.0%
50	7.5%	50.0%					40.0%
51	7.5%	25.0%					45.0%
52	7.5%	25.0%					55.0%
53	7.5%	25.0%					55.0%
54	7.5%	25.0%					55.0%
55	15.0%	20.0%	14.0%	7.0%	10.0%	5.0%	40.0%
56	8.5%	20.0%	7.0%	3.5%	5.0%	2.5%	25.0%
57	8.5%	20.0%	10.0%	5.0%	7.5%	3.75%	25.0%
58	8.5%	20.0%	15.0%	5.0%	10.0%	3.75%	25.0%
59	8.5%	20.0%	10.0%	5.0%	7.5%	3.75%	25.0%
60	15.0%	20.0%	10.0%	10.0%	7.5%	7.5%	13.0%
61	15.0%	40.0%	15.0%	15.0%	10.0%	10.0%	13.0%
62	25.0%	50.0%	15.0%	15.0%	14.0%	14.0%	25.0%
63	5.0%	40.0%	10.0%	10.0%	12.0%	12.0%	20.0%
64	5.0%	40.0%	15.0%	15.0%	12.0%	12.0%	20.0%
65	100.0%	100.0%	22.0%	22.0%	24.0%	24.0%	28.0%
66			10.0%	10.0%	10.0%	10.0%	20.0%
67			10.0%	10.0%	10.0%	10.0%	20.0%
68			4.00%	4.0%	10.0%	10.0%	20.0%
69			4.00%	4.0%	10.0%	10.0%	20.0%
70			100%	100%	100%	100%	100%

Demographic Assumptions (continued)

Retirement Assumptions (continued)

Retirement from Dormant Status

Dormant members are assumed to retire at Normal Retirement Age (age 58 for Tier 1, age 60 for Tier 2, age 60 for Judges, and age 55 for Police & Fire) or at the first unreduced retirement age (30 years of service, or age 50 with 25 years of service for Police & Fire).

Lump Sum Option at Retirement

Members retiring may elect to receive a full or partial lump sum at retirement. The probability that a retiring member will elect a lump sum at retirement is summarized in the table below. These rates were first adopted effective December 31, 2006.

Partial Lump Sum:	7% for all years
Total Lump Sum:	7% for 2007, declining by 0.5% per year until reaching 0.0%
No Lump Sum:	86% in 2007, increasing by 0.5% until reaching 93.0%

Purchase of Credited Service at Retirement

The following percentages of members are assumed to purchase credit for the six-month waiting period at retirement. These rates were first adopted effective December 31, 2005.

Money Match Retirements:	0%
Non-Money Match Retirements:	45%

Judge Member Plan Election

All judge members are assumed to elect to retire under the provisions of Plan B.

Demographic Assumptions (continued)

Disability Assumptions

There are two disability assumptions used in the valuation - duty disability and ordinary disability. Duty Disability rates are separated between Police & Fire and General Service, while ordinary disability is the same for all members. The rates for ordinary disability were first adopted effective December 31, 2005. The rates for duty disability were first adopted effective December 31, 2006.

	Duty Disability	Duty Disability	Ordinary
Age	Police & Fire	General Service	Disability
Less than age 35	0.020%	0.002%	0.050%
35-39	0.030%	0.002%	0.100%
40-44	0.030%	0.004%	0.150%
45-49	0.075%	0.010%	0.200%
50+	0.150%	0.015%	0.300%

Termination Assumptions

The termination assumptions used in the actuarial valuation include the following assumptions:

- Termination from active status prior to retirement eligibility
- Probability that a member will not take a lump sum distribution prior to retirement.

All of the termination assumptions were first adopted effective December 31, 2006.

Termination Rates

Sample termination rates are shown for each group below:

	School		SLGRP General Service	SLGRP General Service	Independent Employers General	Independent Employers General Service	Police &
Age	District	OHSU	Male	Female	Service Male	Female	Fire
30	5.94%	9.89%	6.97%	7.49%	6.11%	9.10%	3.45%
40	3.31%	6.20%	4.38%	4.52%	3.84%	5.70%	2.17%
50	2.26%	4.27%	2.96%	3.09%	2.47%	3.58%	1.24%

Demographic Assumptions (continued)

Termination Assumptions (continued)

No Lump Sum Before Retirement

The following table shows the probability that vested terminated members will elect to receive a deferred benefit instead of withdrawing accumulated member contributions for sample ages:

	General	
Age	Service	Police & Fire
30	77.50%	60.00%
40	77.50%	64.00%
50	90.00%	100.00%

Demographic Assumptions (continued)

Salary Increase Assumptions

The salary increase assumptions reflected in the actuarial valuation include:

- Merit scale increases in addition to the payroll growth increase
- Unused Sick Leave adjustments
- Vacation Pay adjustments

Merit Increases

Merit increases are based on duration of service for the following groups. The rates for school districts were first adopted effective December 31, 2005. All other rates were adopted December 31, 2003.

		SLGRP	SLGRP	Independent	Independent	
	School		General	Police &	Employers	Employers
Duration	District	OHSU	Service	Fire	General Service	Police & Fire
5	1.90%	1.00%	1.80%	2.30%	1.80%	2.50%
10	1.20%	0.30%	0.90%	1.10%	1.00%	1.30%
15	0.60%	0.25%	0.40%	0.60%	0.55%	0.80%
20	0.26%	0.00%	0.10%	0.30%	0.30%	0.50%

Unused Sick Leave

Members covered by the provision allowing unused sick leave to be used to increase final average salary are assumed to receive increases in their final average salary in accordance with the table below. This adjustment is not applied to disability benefits. The rates for local general service females were first adopted December 31, 2001. All other rates were adopted effective December 31, 2005.

Actives	Rates
State GS Male	5.75%
State GS Female	4.75%
School District Male	7.25%
School District Female	6.75%
Local GS Male	3.50%
Local GS Female	3.00%
Police & Fire	8.75%

Dormants	Rates
All members	3.50%

Demographic Assumptions (continued)

Vacation Pay

Members eligible to receive a lump sum payment of unused vacation pay are assumed to receive increases in their final average salary in accordance with the table below. This adjustment is not applied to disability benefits.

	Rates
Tier 1 Non-School District	2.8%
Tier 1 School District	1.4%
Tier 2 / Judges	0.0%

Demographic Assumptions (continued)

Retiree Healthcare Participation

The following percentages of eligible retiring members are assumed to elect RHIPA and RHIA coverage:

RHIPA	11%
RHIA	
 Healthy Retired 	50%
 Disabled Retired 	25%

These rates were first adopted effective December 31, 2005.

Actuarial Methods and Assumptions — OPSRP

Most of the methods and assumptions adopted for the OPSRP valuation are the same as those used for Tier 1/ Tier 2. A summary of the methods and assumptions that differ for OPSRP are summarized below.

Actuarial Methods and Valuation Procedures

OPSRP UAL amortization	Gains and losses between odd-year valuations are amortized as a level
	percentage of combined valuation payroll (Tier 1/ Tier 2 plus OPSRP
	payroll) over 16 years from the valuation in which they are first recognized.

Economic Assumptions

Administrative expenses \$8.5 million per year is added to the normal cost.

Demographic Assumptions

Retirement Assumptions

Retirement from Active Status

	Police	& Fire	General	Service	
Age	< 25 years	25+ years	<30 years	30+ years	
50	3.75%	7.50%			
51	3.75%	7.50%			
52	3.75%	7.50%			
53	3.75%	50.00%			
54	3.75%	25.00%			
55	4.25%	20.00%	5.00%	5.00%	
56	4.25%	20.00%	2.50%	2.50%	
57	4.25%	20.00%	3.75% 3.		
58	4.25%	20.00%	3.75%	40.00%	
59	4.25%	20.00%	3.75%	25.00%	
60	30.00%	20.00%	3.75%	13.00%	
61	15.00%	40.00%	5.00%	13.00%	
62	25.00%	50.00%	7.00%	25.00%	
63	5.00%	40.00%	6.00%	20.00%	
64	5.00%	40.00%	6.00%	20.00%	
65	100.00%	100.00%	50.00%	28.00%	
66			10.00%	20.00%	
67			10.00%	20.00%	
68			10.00%	20.00%	
69			10.00%	20.00%	
70			100.00%	100.00%	

Retirement from Dormant Status

Dormant members are assumed to retire at Normal Retirement Age.

Actuarial Methods and Assumptions — OPSRP

Demographic Assumptions (continued)

Termination Assumptions

The termination rates are based on 3-year select and ultimate rates, with the ultimate rates being the same as the Tier 1/Tier 2 termination rates.

	School District			School District			ОН	SU	
	1st Select	2nd Select	3rd Select		1st Select	2nd Select	3rd Select		
Age	Period	Period	Period	Ultimate	Period	Period	Period	Ultimate	
30	13.35%	10.34%	7.56%	5.94%	15.23%	13.43%	11.43%	9.89%	
40	10.76%	7.42%	5.50%	3.31%	11.15%	8.82%	6.91%	6.20%	
50	9.87%	6.31%	4.38%	2.26%	9.44%	6.16%	4.02%	4.27%	

	Independe	ent Employer	s General Se	rvice Male	Independent Employers General Service Fen			vice Female
	1st Select	2nd Select	3rd Select		1st Select	2nd Select	3rd Select	
Age	Period	Period	Period	Ultimate	Period	Period	Period	Ultimate
30	18.74%	14.74%	8.74%	6.11%	18.20%	15.88%	12.16%	9.10%
40	16.22%	12.22%	6.22%	3.84%	13.68%	11.80%	8.64%	5.70%
50	13.84%	9.84%	3.84%	2.47%	11.79%	9.93%	6.76%	3.58%

	S	LGRP Genera	I Service Ma	le	SI	GRP Genera	I Service Fen	nale
	1st Select 2nd Select 3rd Select		1st Select 2nd Select 3rd Select 1st Select 2		2nd Select	2nd Select 3rd Select		
Age	Period	Period	Period	Ultimate	Period	Period	Period	Ultimate
30	16.65%	13.36%	10.12%	6.97%	18.15%	15.87%	12.13%	7.49%
40	12.08%	9.22%	6.77%	4.38%	13.58%	11.77%	8.58%	4.52%
50	10.17%	7.34%	4.82%	2.96%	11.67%	9.97%	6.73%	3.09%

	Police & Fire					
	1st Select	2nd Select	3rd Select			
Age	Period	Period	Period	Ultimate		
30	8.29%	6.04%	4.73%	3.45%		
40	6.68%	4.43%	3.30%	2.17%		
50	4.66%	2.41%	1.89%	1.24%		

Actuarial Methods and Assumptions — Tier 1/ Tier 2 and OPSRP

There were no changes in methods or assumptions since the December 31, 2006 actuarial valuation.

Mercer

The following section summarizes the plan provisions considered in the actuarial valuation. A more detailed description of plan provisions is available from the PERS administrative office.

Membership	positions bec those who a	es of public employers participating in this System who are in qualifying come members of the System after completing six months of service except re eligible for and have elected to participate in an optional retirement plan. hefit provisions of the plan apply based on date of hire.	
	Tier 1	Hired prior to 1996	
	Tier 2	Hired after 1995 and before August 29, 2003	
	OPSRP	Hired after August 28, 2003, not a judge, and not a former Tier 1/Tier 2 member eligible to reestablish Tier 1/Tier 2 membership	
	Judges	Members of the State Judiciary	
Employee Contributions	Judges	7% of salary	
Contributions	All others	None	
Employer Contributions	Actuarially determined		

Normal	Police and Fire	e	Age 55	
Retirement Date	Judges		Age 65	
	Tier 1 General	Service	Age 58	
	Tier 2 General	Service	Age 60	
Normal Retirement Allowance	For Members who are not Judges, the greatest of the Full Formula benefit, Match benefit, or the Formula Plus Annuity benefit (only available to Memb contributions before August 21, 1981).			
	Full Formula			
		Percentage	e Multiplier	Membership Classification
		2.00%		Fire, Police and Legislators
		1.67%		All other members
	Money Match			lance and a matching employer amount equivalent annuity.
	Formula Plus Annuity	Plus The Member's account balance converted to an act cash refund annuity plus the percentage multiplier fur multiplied by final average pay and years of credited service pension, if applicable.		he percentage multiplier from the table below pay and years of credited service, plus a prior
		Percentage	e Multiplier	Membership Classification
		1.35%		Fire, Police and Legislators
		1.00%		All other members
· · · · · · · · · · · · · · · · · · ·		•		

Normal Retirement Allowance (continued)	Judges Final average pay multiplied by the first per table below for up to 16 years of service plu multiplier for any service in excess of 16 years maximum percentage of final average pay must elect Plan A or Plan B no later than a serve as a pro tem judge for a total of 175 of					cond percentage not to exceed the wn below. Judges "Plan B" judge must
		Plan	Percentage Facto (up to 16 years)	r Percenta (after 16	ge Factor years)	Maximum Percentage of Final Average Pay
		А	2.8125%	1.6	67%	65%
_		В	3.75%	2.0	0%	75%
SB 656/HB 3349			n increase to their mo nate Bill 656 (SB 656			equal to the greater of 3349).
Adjustment	SB 656	Years	of Service G	Seneral Servio	ce	Police & Fire
	Increase		0-9	0.0%		0.0%
			10-14	1.0		1.0
		15-19		1.0		1.0
		20-24		2.0		2.5
		25-29		3.0		4.0
		30 & Over		4.0		4.0
	HB 3349 Increase		1		Service pri	or to October 1, 1991
		1 – m	aximum Oregon pers income tax rate	sonal ×		All Service
Early	Police and Fi	re	Age 50 or 30	years of servio	ce	
Retirement Eligibility	Judges		Age 60			
Liigibiiity	General Service Age 55 or 30 years of service					
Early Retirement Allowance	is no reductior	Normal retirement allowance, actuarially reduced to early retirement age. However, there is no reduction applied if a member has completed 30 years of service (25 years for police & fire members) or for judges in Plan B.				
Vesting	Five years or a	Five years or attainment of normal retirement age.				
Termination	Non-Vested	Paym	ent of member's acc	ount balance.		
Benefits	Vested	Same as normal (or early) retirement allowance, but commencement is deferred to normal (or early) retirement date.				

Optional Forms of Retirement Allowance	The normal form of benefit is a cash refund annuity (joint and two-thirds survivor contingent annuity for a married judge). All optional amounts are adjusted to be actuarially equivalent.				
	Options Avail	able			
	a. Life annuit				
	b. Cash refur	nd annuity			
	c. Life annuit	y guaranteed 15 years			
		50% or 100% survivor contingent annuity, with or without pop-up feature			
	e. Lump sum	of member contribution account (under any form) plus a pension from contributions under the Full Formula or Money Match method.			
	f. Lump sum	of member contribution account plus a matching employer amount.			
Preretirement	Judges	Six or more years of service.			
Death Benefit Eligibility	All others	Death occurring while the member is an employee of a participating employer or within 120 days of termination provided the employee does not withdraw the account balance or retire, or a result of injuries received while in the service of a participating employer.			
Preretirement Death Benefit	Judges	The spouse shall receive a life pension equal to two-thirds of the service retirement allowance. The beneficiary of an unmarried judge shall receive the member's accumulated contributions with interest.			
	All others	The member's account balance plus a matching employer amount.			
Additional	Upon the death	h of a retired police officer or firefighter, the surviving spouse or dependent			
Police & Fire Death Benefits		age 18 will receive a monthly benefit based on 25% of the cash refund wance due to police and fire service.			
Disability Benefit Eligibility	Duty	Disablement occurring as a direct result of a job-related injury or illness, regardless of length of service.			
	Non-Duty	Disablement occurring after ten years of service (six years, if a judge), but prior to normal retirement eligibility.			
Disability Benefits	been earned if age 65 for judg	tirement allowance calculated based on the service credit that would have the member had continued working to age 58 (age 55 for police and fire, ge members) payable commencing immediately. the Members' Alternative			
	In lieu of the above, firefighters and police officers who qualify for duty disability may elect to receive a benefit of 50% of final average monthly salary at the time of disablement.				
	Minimum Monthly Retirement Allowance				
	Judges45% of final average monthly salary.All others\$100 for a member with at least 15 years of credited service,				
		actuarially reduced if an optional form of benefit is chosen.			
	Reduction of Benefits				
	sabled employee's disability benefit and earned income for any month onthly salary received at the time of disablement or \$400, if greater, the fit will be reduced by the excess.				
	For Tier Two m	nembers, the sum of the disability benefit and any workers' compensation of exceed the member's salary at the time of disablement.			
	· · · · · · · · · · · · · · · · · · ·				

Police & Fire Unit Purchases	Police & fire members may purchase 60-month annuity benefits (up to \$80 per month) that must be paid out by age 65 and cannot commence prior to the earliest retirement age. The amount purchased by the member is matched by the employer. In certain situations, such as termination of employment prior to retiring, or working beyond age 65, the employer's matching purchase is forfeited.				
Postretirement Adjustments	All monthly pension and annuity benefits except unit purchases are eligible for postretirement adjustments.				
	Automatic Adjustments	Benefits are adjusted annually to reflect the increase or decrease in the Consumer Price Index (Portland area - all items) as published by the Bureau of Labor Statistics. The maximum adjustment to be made for any year is 2% of the previous year's benefit. Any CPI change in excess of 2% is accumulated for future benefit adjustments which would otherwise be less than 2%. No benefit will be decreased below			
		its original amount.			
	Ad Hoc Adjustments	From time to time, as granted by the Legislature, retired members and beneficiaries have received increases in their monthly benefits.			
Variable Annuity Program	Contributions	Prior to January 1, 2004, a member could elect to have 25, 50 75 percent of his or her contributions invested in the variable account.			
	Benefit	At retirement, a member may elect to receive a variable annuity with the funds accumulated in his or her variable account.			
		Alternatively, a member may elect to have all or a portion of the funds in his or her variable account transferred back to the regular account and receive an annuity from the System as though no variable annuity program existed.			
		The employer provided benefit, however, is based on the earnings the member would have received in the regular account.			
Interest Credit on Member Accounts	Tier 1 Regular	Actuarially assumed rate of return until the rate guarantee reserve has been fully funded for three consecutive years and the Board elects to credit additional interest.			
	Tier 2 Regular	Amount determined by the Board based on actual investment earnings of the regular account.			
	Variable	Actual earnings in variable account.			
Retiree	Eligibility	All of the following must be met:			
Healthcare – Medicare		 Currently receiving a retirement allowance from the System, 			
Supplement		(b) Covered for eight years before retirement,			
(RHIA)		(c) Enrolled in a PERS-sponsored health plan, and(d) Enrolled in both Medicare Part A and Part B.			
	Benefit Amount	A monthly contribution of up to \$60 per retiree is applied to PERS-sponsored Medicare supplemental insurance costs.			

Retiree Healthcare – Under Age 65 (RHIPA)	Eligibility	Retired state employees enrolled in a PERS-sponsored health plan. A percentage (as shown in the table below) of the maximum monthly subsidy based on years of service. The maximum monthly subsidy is calculated annually as the average difference between the health insurance premiums paid by active state employees and the premium retirees would pay if they were rated separately from active state employees.			
	Benefit				
		Years of Service	Subsidized Amount		
		Under 8	0%		
		8-9	50		
		10-14	60		
		15-19	70		
		20-24	80		
		25-29	90		
		30 & Over	100		
Benefits Not Included in the Valuation	No material benefits	s have been excluded from the liabil	ities.		
Changes in Plan Provisions	 None 				

Summary of Chapter 238A Provisions — OPSRP

Normal	Police & Fire	Age 60 or age 53 with 25 years of retirement credit		
Retirement Date	General Service	Age 65 or age 58 with 30 years of retirement credit		
	School Districts	Age 65 or age 58 with 30 calendar years of active membership		
Normal Retirement Allowance	A single life annuity equal to final average salary times years of retirement credit attributable to service as fire and police times 1.8% plus final average salary times all other years of retirement credit times 1.5%			
Early Retirement	Police & Fire	Age 50 and 5 years of vesting service		
Eligibility	General Service	Age 55 and 5 years of vesting service		
Early Retirement Allowance	Normal retirement a	allowance, actuarially reduced to early retirement age.		
Vesting	Five years or attain	ment of normal retirement age.		
Vested Termination Benefit	Same as normal (or early) retirement allowance, but commencement is deferred to normal (or early) retirement date.			
Optional Forms of Retirement Benefit	 <i>s of</i> The normal form of benefit is a life annuity. All optional amounts are adjusted to actuarially equivalent. Options Available a. Life annuity b. Joint and 50% or 100% survivor contingent benefit, with or without pop-up f c. Lump sum if monthly normal retirement benefit is less than \$200 or if lump value is less than \$5,000. 			
Preretirement Death Benefit Eligibility	Death of a vested member before retirement benefits begin.			
Preretirement Death Benefit	If member was eligible for early retirement, the actuarial equivalent of 50% of the early retirement benefit the participant was eligible to receive at date of death. If member was not eligible for early retirement, the actuarial equivalent of 50% of the early retirement benefit the participant would have been eligible to receive if he terminated employment on his date of death and retired at the earliest possible date.			
Disability Benefit Eligibility	Duty	Disablement occurring as a direct result of a job-related injury or illness, regardless of length of service.		
	Non-Duty	Disablement occurring after ten years of service, but prior to normal retirement eligibility.		

Summary of Chapter 238A Provisions — OPSRP (continued)

Disability Benefit Amounts	Preretirement Benefit	45% of salary during last full month of employment before disability, reduced if total benefit including workers' compensation exceeds 75% of salary. Benefit is payable monthly until normal retirement age.
	Retirement Benefit	Same formula as Normal Retirement Benefit, except: Final average salary is adjusted to reflect cost-of-living increases from date of disability to normal retirement age, and Retirement credits continue to accrue from date of disability to normal retirement age.
Postretirement	All monthly pension	n and annuity benefits are eligible for postretirement adjustments.
Adjustments	Automatic Adjustments	Benefits are adjusted annually to reflect the increase or decrease in the Consumer Price Index (Portland area - all items) as published by the Bureau of Labor Statistics. The maximum adjustment to be made for any year is 2% of the previous year's benefit. Any CPI change in excess of 2% is accumulated for future benefit adjustments which would otherwise be less than 2%. No benefit will be decreased below its original amount.
	Ad Hoc Adjustments	From time to time, as granted by the Legislature, retired members and beneficiaries have received increases in their monthly benefits.
Changes in Plan Provisions	 None 	

-

_

Glossary

Actuarial Accrued Liability. The portion of the present value of prospective benefits allocated to service 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.

Agent Multiple-Employer Plan (Agent Plan). An aggregation of single-employer plans, with pooled administrative and investment functions. Separate accounts are maintained for each employer so that the employer's contributions provide benefits only for the employees of that employer. A separate actuarial valuation is performed for each individual employer's plan to determine the employer's periodic contribution rate and other information for the individual plan.

Annual Pension Cost. A measure of the periodic cost of an employer's participation in a defined benefit pension plan.

Annual Required Contributions (ARC). The employer's periodic required contributions to a defined benefit pension plan, calculated in accordance with the parameters of GASB 27.

Combined Valuation payroll. Projected payroll 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.

Contribution Deficiencies (excess contributions). The difference between the annual required contributions of the employer(s) (ARC) and the employer's actual contributions in relation to the ARC.

Cost Sharing Multiple-Employer Plan. A single plan with pooling (cost-sharing) arrangements for the participating employers. All risks, rewards, and costs, including benefit costs, are shared and are not attributed individually to employers. A single actuarial valuation covers all plan members and the same contribution rate(s) applies for each employer.

Employer's Contributions. Contributions made in relation to the annual required contributions of the employer (ARC).

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

Net Pension Obligation (NPO). The cumulative difference since the effective date of GASB 27 between annual pension cost and the employer's contributions to the plan, including the pension liability (asset) at transition, and excluding (a) short-term differences and (b) unpaid contributions that have been converted to pension-related debt.

Normal Cost. The annual cost assigned to the current year, under the actuarial cost method in use.

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

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

Mercer

Glossary

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 current worth (on the valuation date) of an amount or series of amounts payable or receivable in the future. The present value is determined by discounting the future payments at a predetermined rate of interest, taking into account the probability of payment.

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. 25 of the Governmental Accounting Standards Board (GASB 25). The accounting standard establishing financial reporting standards for defined benefit pension plans.

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.

Statement No. 43 of the Governmental Accounting Standards Board (GASB 45). The accounting standard establishing financial reporting standards for post-employment benefits other than pensions.

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.

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

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 Actuarial Accrued Liability. The excess of the Actuarial Accrued Liability over the Actuarial Value of Assets.

MERCER



MARSH MERCER KROLL GUY CARPENTER OLIVER WYMAN

Mercer (US), Inc. 111 SW Columbia Street, Suite 500 Portland, OR 97201-5839 503 273 5900

Consulting. Outsourcing. Investments.