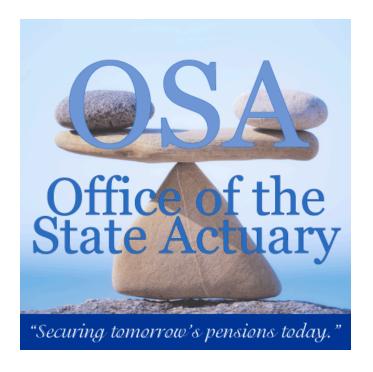


September 2014



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Letter of Introduction



Office of the State Actuary

"Securing tomorrow's pensions today."

Letter of Introduction Report of the Combined Actuarial Valuation As of June 30, 2013

September 2014

As required under Chapter 41.45 RCW, this report documents the results of an actuarial valuation of the following Washington State retirement systems.

- ❖ Public Employees' Retirement System.
- * Teachers' Retirement System.
- School Employees' Retirement System.
- Public Safety Employees' Retirement System.
- ❖ Law Enforcement Officers' and Fire Fighters' Retirement System.
- * Washington State Patrol Retirement System.

The primary purpose of this valuation is to determine contribution requirements for the systems listed above for the plan year ending June 30, 2013, under the funding policy established by the Legislature. This valuation also provides information on the funding progress and developments in the plans over the past year.

This report is organized in the following four sections.

Summary of Key Results.









Letter of Introduction Page 2 of 2

- ❖ Actuarial Exhibits.
- Participant Data.
- * Appendices.

The Summary of Key Results section provides a high-level summary of the valuation results for all systems combined. The next two sections of the report provide detailed actuarial asset and liability information and participant data for each system and plan separately. The Appendices provide a summary of the principal actuarial assumptions and methods, a summary of the major plan provisions, and additional information used to prepare this valuation.

We encourage you to submit any questions you might have concerning this report to our regular address or our e-mail address at state.actuary@leg.wa.gov. We also invite you to visit our website (osa.leg.wa.gov), for further information regarding the actuarial funding of the Washington State retirement systems.

Sincerely,

Matthew M. Smith, FCA, EA, MAAA

State Actuary

Lisa A. Won, ASA, FCA, MAAA

Senior Actuary

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Summary of Key Results



Intended Use

The purpose of this report is to develop contribution rates required to fund the Washington State retirement systems based on the funding policy described in this section. This report provides information on the contribution rates, funding progress, and developments in the plans over the past year. This report also discloses the data, assumptions, and methods we used to develop the contribution rates. This report is not intended to satisfy the accounting requirements under the Governmental Accounting Standards Board rules (GASB).

Contribution Rates

The Office of the State Actuary (OSA) determined the member and employer contribution rates as a percentage of salary. The summary table below shows contribution rates based on the 2013 valuation along with rates

from the previous valuation. The **Actuarial Exhibits** section of this report shows how we developed these rates.

No member or employer/state contributions are required for the Law Enforcement Officers' and

Fire Fighters' Retirement System (LEOFF) Plan 1 when the plan remains fully funded. See RCW 41.26.080(2).

Minimum employer contribution rates adopted by the Legislature for the Public Employees'
Retirement System (PERS) Plan 1 and the Teachers' Retirement System (TRS) Plan 1 become effective at the beginning of the 2015-17 Biennium.

During the 2014 Interim, the Pension Funding Council (PFC) and LEOFF Plan 2 Retirement Board (LEOFF 2 Board) adopted different rates than those calculated in the 2013 valuation. The PFC adopted contribution rates lower than the rates calculated in this valuation as part of a three-biennium phase-in. The LEOFF 2 Board adopted higher contribution rates that match the contribution rates collected over the 2013-15 Biennium. The adopted rates are shown in the **Actuarial Exhibits** section of this report and further information is available in the **Actuarial Certification Letter**.

Contribution Rates						
	Plan 1 Plan 2/3					
	2013	2012	2013	2012		
PERS						
Member*	6.00%	6.00%	7.00%	4.83%		
Total Employer	12.29%	9.15%	12.29%	9.15%		
TRS						
Member*	6.00%	6.00%	6.79%	4.95%		
Total Employer	14.47%	10.68%	14.47%	10.68%		
SERS						
Member*	N/A	N/A	6.70%	4.59%		
Total Employer	N/A	N/A	12.88%	9.80%		
PSERS						
Member	N/A	N/A	6.89%	6.07%		
Total Employer	N/A	N/A	12.07%	10.28%		
LEOFF						
Member	0.00%	0.00%	7.97%	7.74%		
Employer	0.00%	0.00%	4.78%	4.64%		
State	0.00%	0.00%	3.19%	3.10%		
WSPRS						
Member	7.19%	6.44%	7.19%	6.44%		
Employer (State)	8.79%	7.76%	8.79%	7.76%		

Employer rates exclude administrative expense rate.

^{*}Plan 3 members do not contribute to the defined benefit plan.

Contribution Rate-Setting Cycle

Under current Washington State law, in July of even-numbered years, the PFC reviews the basic contribution rates calculated by OSA based on an actuarial valuation performed on asset, participant, and plan information compiled in odd-numbered years. In calculating basic contribution rates, OSA applies the statutory funding policies described in this section.

The PFC may adopt changes to contribution rates by an affirmative vote of at least four members. The basic rates adopted by the PFC will remain in place for the ensuing biennium, subject to revision by the Legislature. The LEOFF 2 Board performs these duties for LEOFF 2 under the same cycle.

RCW 41.45.070 requires that a temporary and supplemental contribution rate increase be charged to fund the cost of benefit enhancements enacted following the adoption of the basic rates. Supplemental contribution rates are included in the basic rates at the beginning of the next contribution rate-setting cycle.

Funding Policy

Washington State relies on systematic actuarial funding to finance the on-going cost of the state retirement systems. Under this financing approach, we reduce the cost of future pension payments by the expected long-term return on invested contributions.

The state's funding policy is found in Chapter 41.45 RCW — Actuarial Funding of State Retirement Systems. It includes the following goals — to:

- Provide a dependable and systematic process for funding the benefits to members and retirees of the Washington State retirement systems.
- ◆ Fully fund the retirement system Plans 2 and 3, and Washington State Patrol Retirement System (WSPRS), as provided by law.

- ◆ Fully amortize the total cost of LEOFF Plan 1 not later than June 30, 2024.
- ◆ Fully amortize the Unfunded Actuarial Accrued Liability (UAAL) in PERS Plan 1 and TRS Plan 1 within a rolling ten-year period using methods and assumptions that balance needs for increased benefit security, decreased contribution rate volatility, and affordability of pension contribution rates.
- ◆ Establish long-term employer contribution rates that will remain a relatively predictable proportion of future state budgets.
- ◆ Fund, to the extent feasible, all benefits for Plans 2 and 3 members over the working lives of those members so that the taxpayers who receive the benefit of those members' service pay the cost of those benefits.

Based on the funding policy, the same contribution rate is charged to employers within each system regardless of the plan in which employees hold membership (except for LEOFF). In addition, all benefit increases that become effective after June 30, 2009, for PERS Plan 1 and TRS Plan 1 members, are funded over a fixed ten-year period.

The Washington State Investment Board (WSIB) directs the investment of retirement system contributions. RCW 43.33A.110 requires WSIB to maximize investment returns at a prudent level of risk.

Comments on 2013 Results

Many factors can influence how actuarial valuation results change from one measurement date to the next. Those factors include changes in the covered population, changes in plan provisions, assumptions, and methods, and experience that varies from our expectations.

For this valuation, assumption changes explain most of the changes from last year's report. For all systems, expect LEOFF 2, we lowered the long-term assumed rate of investment return from 7.9 to 7.8 percent consistent with state law. We also changed the projection scale we use to estimate future improvement in rates of mortality from 50 percent of Scale AA to 100 percent of Scale BB. Both of these assumption changes lead to lower funded status and higher contribution rates than calculated last valuation.

We observed no significant changes in the covered population and there were no changes in plan provisions. We also made no significant changes to our actuarial methods.

In terms of annual plan experience, the actual rate of investment return was 12.36 percent and above the assumed rate. However, the rate of investment return on the actuarial (or smoothed) value of assets was lower than expected for the plan year. We also observed lower than expected salary growth for the year when estimating plan liabilities.

Detailed gain and loss information by system can be found in the **Actuarial Exhibits** section of this report. Please see the **Actuarial Certification Letter** for additional comments on the 2013 valuation results.



Actuarial Liabilities

The table to the far right summarizes key measures of actuarial liability along with the liabilities from last year's valuation. The Future Value of Fully Projected Benefits represents the total expected value of all future benefit payments for all members of all systems as of the valuation date. The Present Value of Fully Projected Benefits represents today's value of the Future Value of Fully Projected Benefits when we discount future benefit payments with the valuation interest rate. In other words, if we invest the Present Value of Fully Projected Benefits as a lump sum amount at the valuation date and earn the valuation interest rate each year, there would be enough money to pay all expected future benefit payments for current members.

The Present Value of Accrued (Earned) Benefits identifies the portion of the present value of future benefits that has been "earned" as of the

valuation date based on the Projected Unit Credit (PUC) actuarial cost method. The UAAL represents the excess, if any, of the Present Value of Accrued Benefits at the valuation date over the Actuarial Value of Assets. In other words, the UAAL equals the present value of benefits earned at the valuation date not covered by current actuarial assets.

Actuarial Liabilities						
Actuallal Elabilitics						
(Dollars in Millions)	2013	2012				
All Systems						
Future Value of Fully Projected Benefits	\$559,013	\$436,407				
Present Value of Fully Projected Benefits	88,888	79,397				
Present Value of Accrued (Earned) Benefits	69,828	62,578				
Unfunded Actuarial Accrued Liability*	\$6,245	\$4,132				
Valuation Interest Rate**	7.80%	7.90%				

^{*}For PERS 1, TRS 1, and LEOFF 1.

See the **Actuarial Exhibits** section of this report for a summary of actuarial liabilities by system and plan and a disclosure of expected future benefit payments by year for each system and plan. Also, see the **Glossary** for brief explanations of the actuarial terms.

Assets

The table on the right shows the combined Market Value of Assets and Actuarial (or smoothed) Value of Assets along with approximate rates of investment return.

To limit the volatility in contribution rates and funded status due to short-term market fluctuations, we smooth (or defer) the difference between actual and expected annual investment returns over a period not to exceed eight years. The Actuarial Value of Assets equals the Market Value of Assets less the Total Deferred Investment Gains and (Losses) at the valuation date. The Actuarial Value of Assets can never be less than 70 percent or greater than 130 percent of the Market Value of Assets.

Assets						
(Dollars in Millions)	2013	2012				
All Systems						
Market Value of Assets	\$62,213	\$56,753				
Actuarial Value of Assets	65,458	63,122				
Contributions*	1,807	1,754				
Disbursements	3,302	3,137				
Investment Return	6,907	747				
Other**	\$48	\$39				
Rate of Return on Assets***	12.36%	1.40%				

^{*}Employee and Employer.

See the **Actuarial Exhibits** section of this report for a summary of assets by system and plan, and for the development of the Actuarial Value of Assets.

^{**7.50%} in LEOFF 2.

^{**}Includes transfers, restorations, payables, etc.

^{***}This is the time-weighted rate of return on the Market Value of Assets, net of expenses. The Actuarial Value of Assets is used in determining contribution rates.

Funded Status

The funded status helps readers evaluate the health of a pension plan. A history of funded status measured consistently over a defined period helps readers evaluate a plan's funding progress over time. The funded status represents the portion of the present value of earned benefits covered by today's actuarial assets. A plan with a 100 percent funded status has one dollar in actuarial assets for each dollar of earned (or accrued) liability at the valuation date. A plan with a funded status of at least 100 percent is generally considered to be on target with its financing plan. However, a plan more/less than 100 percent funded/at-risk.

We use the PUC actuarial cost method to report the funded status of the plans. The PUC method takes into account future salary and service growth for purposes of determining future benefit amounts and eligibility for those benefits, but only reflects service credit earned at the valuation date for determining earned (or accrued) benefits.

Participant Data

The next table summarizes participant data used in the actuarial valuation for the plan year ending June 30, 2013, along with information from last year's valuation. See the **Participant Data** section of this report for participant data summarized by system and plan.

Comparing the PUC liabilities to the Actuarial Value of Assets provides an appropriate measure of a plan's funded status. Under current GASB rules, the PUC method is one of several acceptable measures of a plan's funded status. Use of another cost method could also be considered appropriate and could produce materially different results.

GASB Statements 67 and 68 become effective after June 15, 2015, replace the current GASB Statements, and require use of the Entry Age Normal Cost Method (EANC) for accounting purposes. We will begin reporting the EANC

funded status with the next actuarial valuation report, as of June 30, 2014, to improve consistency between this funding report and future accounting disclosures.

We did not use the PUC cost method to determine contribution requirements in

this valuation. Please see the **Glossary** for a more detailed explanation of PUC.

The following table displays the funded status for all the systems combined. We provide this table for summarization purposes only. Assets from an individual qualified retirement plan may not be used to fund benefits from another plan. See the **Actuarial Exhibits** section of this report for the funded status by system and plan. We also provide a history of funded status since 1986 and funded status under alternate assumptions and methods in the **Actuarial Exhibits** section.

	Funded Status						
(Do	ollars in Millions)	2013	2012				
All	Systems						
a.	Projected Unit Credit Liability	\$69,828	\$62,578				
b.	Market Value of Assets	62,213	56,753				
C.	Deferred Gains/(Losses)	(3,245)	(6,369)				
d.	Actuarial Value of Assets (b-c)	65,458	63,122				
e.	Unfunded Liability (a-d)	\$4,370	(\$544)				
f.	Projected Unit Credit Funded Ratio (d/a)	94%	101%				

Participant Data						
All Systems	2013	2012				
Active Members						
Number	291,345	289,727				
Total Salaries (in Millions)	\$16,522	\$16,245				
Average Annual Salary	\$56,710	\$56,069				
Average Attained Age	47.7	47.8				
Average Service	12.4	12.4				
Retirees and Beneficiaries						
Number	150,145	143,942				
Average Annual Benefit	\$21,637	\$21,321				
Terminated Members						
Number Vested	53,356	51,808				
Number "Non-Vested"	118,332	116,109				

Key Assumptions

This table displays key economic assumptions used in the actuarial valuation.

Key Assumptions				
All Systems				
Valuation Interest Rate*	7.80%			
Salary Increase	3.75%			
Inflation	3.00%			
Growth in Membership**	0.95%			

^{*7.50%} in LEOFF 2.

We also reviewed and updated demographic assumptions during our recent experience study. The Experience Study Report, available on our website, discloses all the assumption changes

from the last valuation. See the **Actuarial Methods and Assumptions** in the Appendix for a detailed listing of assumptions used in this valuation.



^{**0.80%} in TRS; 1.25% in LEOFF. Used for the amortization of PERS 1, TRS 1, and LEOFF 1 UAAL only.

Actuarial Exhibits



Actuarial Certification Letter



Office of the State Actuary

"Securing tomorrow's pensions today."

Actuarial Certification Letter Report of the Combined Actuarial Valuation As of June 30, 2013

September 2014

This report documents the results of an actuarial valuation of the retirement plans defined under Chapters 41.26, 41.32, 41.35, 41.37, 41.40, and 43.43 of the Revised Code of Washington. The primary purpose of this valuation is to determine contribution requirements for the retirement plans as of the June 30, 2013, valuation date consistent with the prescribed funding policies. This valuation also provides information on the funding progress and developments in the plans over the past year. This valuation report should not be used for other purposes. Please replace this report with a more recent report when available.

The valuation results summarized in this report involve calculations that require assumptions about future economic and demographic events. We believe that the assumptions and methods used in the underlying valuation are reasonable and appropriate for the primary purpose stated above. The use of another set of assumptions and methods, however, could also be reasonable and could produce materially different results. Actual results may vary from our expectations.

The assumptions used in this valuation for investment return, inflation, salary growth, and membership growth were prescribed by the Legislature. Please see our latest *Economic Experience Study* report for further information on the economic assumptions. We developed the demographic assumptions used in this valuation during the *2007-2012 Demographic Experience Study*. The Legislature was responsible for the selection of the actuarial cost and asset valuation methods. In our opinion, all methods, assumptions, and calculations are reasonable and are in conformity with generally accepted actuarial principles and standards of practice as of the date of this publication.

The Department of Retirement Systems (DRS) provided us with member and beneficiary data. We checked the data for reasonableness as appropriate based on the purpose of the valuation. The Washington State Investment Board (WSIB) and

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Actuarial Certification Letter Page 2 of 2

DRS provided financial and asset information. An audit of the financial and participant data was not performed. We relied on all the information provided as complete and accurate. In our opinion, this information is adequate and substantially complete for purposes of this valuation.

The asset smoothing method adopted during the 2003 Legislative Session (Chapter 11, Laws of 2003, E1) was intended to address the volatility of contribution rates under the aggregate funding method when used in combination with the existing asset allocation policy of WSIB. The combination of the current asset smoothing method with any other funding method or asset allocation policy may not be appropriate. The Legislature may need to revisit the application of the current asset smoothing method with the Plan 1 funding method as the duration of liabilities in those plans becomes shorter.

Under legislation enacted in 2009 (Chapter 561, Laws of 2009), the Unfunded Actuarial Accrued Liability (UAAL) in the Public Employees' Retirement System (PERS) and the Teachers' Retirement System (TRS) Plans 1 must be amortized over a rolling ten-year period, as a level percentage of projected system payroll. The projected payroll includes pay from current members of PERS and TRS Plans 2/3, as well as projected payroll from future new members. For PERS, the projected payroll includes payroll from retirement systems previously covered under PERS. This is a non-standard amortization method since it includes payroll outside the plan. Additionally, the funding method includes minimum contribution rates effective at the beginning of the 2015-17 Biennium. All contributions required under this method are necessary to fully amortize the UAAL in these plans near the previous target date of June 30, 2024. Failure to make all future required contributions may result in premature plan insolvency.

The undersigned, with actuarial credentials, meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein. While this report is intended to be complete, we are available to offer extra advice and explanations as needed.

Sincerely,

Matthew M. Smith, FCA, EA, MAAA

State Actuary

Lisa A. Won, ASA, FCA, MAAA

Senior Actuary

Member and Employer Rate Summary					
	Pla	Plan 1		n 2/3	
	2013	2012	2013	2012	
PERS					
Member*	6.00%	6.00%	7.00%	4.83%	
Employer (Normal Cost)	7.11%	4.94%	7.11%	4.94%	
Employer (Plan 1 UAAL)	5.18%	4.21%	5.18%	4.21%	
Total Employer	12.29%	9.15%	12.29%	9.15%	
TRS					
Member*	6.00%	6.00%	6.79%	4.95%	
Employer (Normal Cost)	7.56%	5.72%	7.56%	5.72%	
Employer (Plan 1 UAAL)	6.91%	4.96%	6.91%	4.96%	
Total Employer	14.47%	10.68%	14.47%	10.68%	
SERS					
Member*	N/A	N/A	6.70%	4.59%	
Employer (Normal Cost)	N/A	N/A	7.70%	5.59%	
Employer (PERS Plan 1 UAAL)	N/A	N/A	5.18%	4.21%	
Total Employer	N/A	N/A	12.88%	9.80%	
PSERS					
Member	N/A	N/A	6.89%	6.07%	
Employer (Normal Cost)	N/A	N/A	6.89%	6.07%	
Employer (PERS Plan 1 UAAL)	N/A	N/A	5.18%	4.21%	
Total Employer	N/A	N/A	12.07%	10.28%	
LEOFF					
Member	0.00%	0.00%	7.97%	7.74%	
Employer	0.00%	0.00%	4.78%	4.64%	
State (Normal Cost)	0.00%	0.00%	3.19%	3.10%	
State (Plan 1 UAAL)	0.00%	0.00%	0.00%	0.00%	
Total State	0.00%	0.00%	3.19%	3.10%	
WSPRS					
Member	7.19%	6.44%	7.19%	6.44%	
Employer (State)	8.79%	7.76%	8.79%	7.76%	

Note: Employer rates exclude administrative expense rate.

2: Actuarial Exhibits

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^{*}Plan 3 members do not contribute to the defined benefit plan.

			Developme	nt of 2013	Employer/S	tate Rates								
		PE	RS	T	RS	SERS	PSERS	LE	OFF	WSPRS				
		Plan 1	Plan 1 Plan 2/3 Plan 1 Plan 2/3 Plan 2 Plan 1 Plan 2											
a.	Total Normal Cost	13.11%	14.11%	13.56%	14.35%	14.40%	13.78%	0.00%	15.94%	15.98%				
b.	Member Normal Cost*	6.00%	7.00%	6.00%	6.79%	6.70%	6.89%	0.00%	7.97%	7.19%				
C.	Employer Contribution (a-b)	7.11%	7.11%	7.56%	7.56%	7.70%	6.89%	0.00%	7.97%	8.79%				
d.	Cost to Amortize UAAL													
e.	Total Employer Rate (c+d)**	12.29%	12.29%	14.47%	14.47%	12.88%	12.07%	0.00%	4.78%	8.79%				

Employer rates exclude administrative expense rate.

TRS	Plan 2 Maximı	um Member Conti	ribution Rates	
Valuation Year	Prior Max	Supplemental	Source	New Max
2013	8.64%	0.00%	N/A	8.64%
2012	8.64%	0.00%	N/A	8.64%
2011	8.64%	0.00%	N/A	8.64%
2010	8.63%	0.01%	C 5 L 11	8.64%
2009	8.63%	0.00%	N/A	8.63%
2008	8.63%	0.00%	N/A	8.63%
2007	8.55%	0.08%	C 101 L 08	8.63%
2006	7.76%	0.79%	C 50 L 07	8.55%
2005	7.75%	0.01%	C 33 L 06	7.76%
2004	7.75%	0.00%	N/A	7.75%
2003	7.75%	0.00%	N/A	7.75%
2002	7.75%	0.00%	N/A	7.75%
2001	7.75%	0.00%	N/A	7.75%
2000	7.75%	0.00%	N/A	7.75%
1999	6.59%	1.16%	C 247 L 00	7.75%
1998	6.59%	0.00%	N/A	6.59%
1997	N/A	N/A	N/A	6.59%

Note: Maximum member contribution rates change each year by 50% of the total supplemental contribution rates shown in the previous valuation.

WSPRS	Plan 1/2 Maxi	imum Member Co	ontribution Rat	es
Valuation Year	Prior Max	Supplemental	Source	New Max
2013	7.19%	0.00%	N/A	7.19%
2012	7.19%	0.00%	N/A	7.19%
2011	7.19%	0.00%	N/A	7.19%
2010	7.19%	0.00%	N/A	7.19%
2009	7.18%	0.01%	C 261 L 10	7.19%
2008	6.95%	0.23%	C 522 L 09	7.18%
2007	6.95%	0.00%	N/A	6.95%
2006*	N/A	N/A	N/A	6.95%

Note: Maximum member contribution rates change each year by 50% of the total supplemental contribution rates shown in the previous valuation.

^{*}Plan 3 members do not contribute to the defined benefit plan.

^{**}The state pays 20% of the total normal cost for LEOFF 2. This reduces the total employer contribution rate from 7.97% to 4.78%.

^{*} The original maximum contribution rate of 7% was decreased by 0.05% for C 87 L 07.

The tables on the following pages show the development of the normal cost rates. Consistent with current funding policy, the normal cost rates include minimum contribution rates to provide stable and adequate contribution rates over time. The minimum rates are a percent of the normal cost calculated under the Entry Age Normal (EAN) funding method. The percent varies by plan. Please see the **Glossary** for a more detailed explanation of EAN.



(Dol	(Dollars in Millions)	PERS 2/3	TRS 2/3	SERS 2/3	PSERS 2	LEOFF 2	WSPRS
4.	Calculation of Member Normal Cost Rate						
ю.	Future Value of Fully Projected Benefits	\$247,788	\$115,746	\$29,207	\$9,117	\$85,177	\$7,130
þ.	Present Value of Fully Projected Benefits	\$33,404	\$12,025	\$4,495	\$595	\$10,314	\$1,132
رن ن	Valuation Assets	24,335	8,406	3,335	224	7,862	1,009
о	Unfunded Fully Projected Benefits (b - c)	690'6	3,619	1,160	371	2,451	122
ø.	Past Liability Balance	53	209	99	0	0	10
نب	Adjusted Unfunded (d - e)	\$9,016	\$3,410	\$1,094	\$371	\$2,451	\$113
	Present Value of Projected Salaries to Current Members (PVS)	rs (PVS)					
တ်	Plan 1 PVS	N/A	A/N	N/A	N/A	N/A	\$372
ے	Plan 2 PVS	56,952	7,650	4,740	2,694	17,563	396
	Plan 3 PVS	14,870	34,920	6,862	N/A	N/A	N/A
. <u>.</u>	Weighted PVS (2g + 2h + i)	\$128,774	\$50,220	\$16,341	\$5,389	\$35,126	\$1,536
ند	Employee Normal Cost (f / j)	7.00%	%62'9	6.70%	6.89%	6.98%	7.33%
_:	Employee Minimum Contribution Rate	4.40%	5.42%	4.64%	5.93%	7.97%	6.82%
Ë	Prior Year Employee Maximum Contribution Rate1	N/A	8.64%	N/A	N/A	N/A	7.19%
۲.	Employee Contribution Rate with Max/Min	7.00%	%62'9	6.70%	6.89%	7.97%	7.19%
o.	Change In Plan Provisions (Laws of 2014)	%00.0	%00.0	0.00%	0.00%	0.00%	0.00%
ď.	Employee Contribution Rate (n + o) ²	7.00%	%62.9	%02'9	6.89%	7.97%	7.19%
2. C	Calculation of Employer Normal Cost Rate						
ej	Present Value of Fully Projected Benefits	\$33,404	\$12,025	\$4,495	\$595	\$10,314	\$1,132
٥.	Valuation Assets	24,335	8,406	3,335	224	7,862	1,009
ci	Unfunded Benefits (a - b)	690'6	3,619	1,160	371	2,451	122
Ö.	Present Value of Employee Contributions	3,987	519	317	186	1,226	26
a;	Past Liability Balance	53	209	99	0	0	10
ب.	Employer Responsibility (c - d - e)	\$5,029	\$2,891	\$777	\$186	\$1,226	\$56
Δ.	Present Value of Projected Salaries to Current Members (PVS)	rs (PVS)					
ġ.	Plan 1 PVS	N/A	N/A	N/A	N/A	N/A	372
۲.	Plan 2 PVS	56,952	7,650	4,740	2,694	17,563	396
:	Plan 3 PVS	14,870	34,920	6,862	A/N	Z/A	N/A
. <u></u>	Total PVS (g + h + i)	\$71,822	\$42,570	\$11,602	\$2,694	\$17,563	\$768
بح	Employer Normal Cost (f / j)	%00.2	%62'9	%02.9	6.89%		7.33%
_:	Employer Minimum Contribution Rate	4.40%	5.42%	4.64%	2.93%		6.82%
Ë	Employer Contribution Rate with Minimum	7.00%	%62'9	%02'9	%68.9	7.97%	7.33%
<u>.</u>	Excess Employer Rate1	N/A	%00.0	N/A	A/N	Z/Z	0.14%
o.	Rate to Amortize Past Liability Balance ³	0.11%	0.77%	1.00%	N/A	Z/Z	1.32%
ď.	Change In Plan Provisions (Laws of 2014)	%00.0	%00.0	0.00%	0.00%	0.00%	0.00%
Ġ	Employer Contribution Rate (m + n + o + p)	7.11%	7.56%	7.70%	%68.9	7.97%	8.79%
ج ا	Normal Cost Rates Adopted for 2015-17 ⁴						
ю.	Employee Contribution Rate ⁵	6.12%	2.95%				%69.9
р	Employer Contribution Rate	6.23%	6.72%	6.63%	6.59%		8.01%
ن ن	State Contribution Rate ⁵	N/A	N/A	N/A	N/A	3.36%	A/N
o.	Total Contribution Rate (a + b + c)	12.35%	12.67%	12.26%	13.18%	16.82%	14.70%
Note	Note: Totals may not agree due to rounding.				·	:	

¹ WSPRS and TRS 2 employees pay 50% of the total normal cost, not to exceed an adjusted cap. The employer pays the

2: Actuarial Exhibits

 2 Plan 3 members do not contribute to the defined benefit plan.

³ WSPRS liability is attributable to past costs for improved survivor benefits. PERS, TRS, and SERS liability is attributable

to past Plan 3 gain-sharing. 4 LEOFF 2 rates adopted by PFC.

⁵ LEOFF 2 rate: 50% Employee, 30% Employer, 20% State.

	Amortization of the Plan 1 Unfunded Actuarial A	ccrued Liability	(UAAL)	
(Dol	lars in Millions)	PERS 1	TRS 1	LEOFF 1
a.	Future Value of Fully Projected Benefits	\$30,891	\$22,455	\$11,500
b.	Present Value of Fully Projected Benefits (PVFB)	\$13,012	\$9,491	\$4,420
С	Valuation Assets	\$8,053	\$6,717	\$5,516
d.	Actuarial Present Value of Future Normal Costs	\$140	\$68	\$0
e.	Balance of Plan 1 Benefit Improvements After 2009	\$127	\$57	N/A
f.	UAAL (b - c - d - e)	\$4,692	\$2,649	(\$1,096)
g.	Expected UAAL Contributions to 2013	N/A	N/A	\$0
h.	Remaining UAAL (f - g)	\$4,692	\$2,649	(\$1,096)
i.	Amortization Date	N/A	N/A	6/30/2024
j.	Present Value of Projected Salaries*	\$93,173	\$39,184	\$12,646
k.	Contribution Rate Before Adjustments (h / j)	5.04%	6.76%	(8.67%)
l.	Minimum Contribution Rate	3.50%	5.75%	N/A
m.	Preliminary Contribution Rate**	5.04%	6.76%	(8.67%)
n.	Plan 1 Benefit Improvements After 2009	0.14%	0.15%	N/A
0.	Change In Plan Provisions (Laws of 2014)	0.00%	0.00%	0.00%
p.	Contribution Rate to Amortize the UAAL (m + n + o)**	5.18%	6.91%	(8.67%)
Plan	1 UAAL Contribution Rates Adopted by PFC			
	Contribution Rate Adopted for 2015-17	4.77%	6.23%	0.00%

^{*}Measured under the plan's amortization method.

^{**}No LEOFF 1 UAAL contributions are required when the plan is fully funded under current methods and assumptions.

Actuarial Liabilities

		Pi	resent Valu	ue of Fully	/ Projected	Benefits						
(Dollars in Millions)		PERS			TRS		SERS	PSERS		LEOFF		WSPRS
	Plan 1	Plans 2/3	Total	Plan 1	Plans 2/3	Total	Plans 2/3	Plan 2	Plan 1	Plan 2	Total	
Active Members												
Retirement	\$1,600	\$23,380	\$24,980	\$962	\$9,259	\$10,222	\$2,969	\$514	\$163	\$7,637	\$7,800	\$455
Termination	2	813	815	0	305	305	174	35	0	144	144	3
Death	12	236	247	5	78	84	32	4	2	104	106	5
Disability	2	138	139	0	9	9	13	3	1	351	351	2
Return of Contributions on Termination	1	241	242	0	19	19	22	18	0	87	87	2
Return of Contributions on Death	25	208	233	11	19	30	18	7	0	129	129	2
Total Active	\$1,641	\$25,015	\$26,656	\$979	\$9,689	\$10,669	\$3,228	\$581	\$166	\$8,451	\$8,617	\$468
Inactive Members												
Terminated	\$173	\$2,290	\$2,463	\$53	\$762	\$815	\$428	\$12	\$1	\$154	\$155	\$11
Service Retired	10,434	5,746	16,180	8,028	1,523	9,551	804	2	1,874	1,517	3,391	600
Disability Retired	125	125	250	87	11	99	14	0	1,818	123	1,941	7
Survivors	639	228	866	343	39	383	21	0	561	69	630	46
Total Inactive	\$11,371	\$8,389	\$19,760	\$8,511	\$2,336	\$10,847	\$1,267	\$15	\$4,255	\$1,862	\$6,117	\$663
Laws of 2014	0	0	0	0	0	0	0	0	0	0	0	0
2013 Total	\$13,012	\$33,404	\$46,416	\$9,491	\$12,025	\$21,516	\$4,495	\$595	\$4,420	\$10,314	\$14,734	\$1,132
2012 Total	\$12,514	\$28,796	\$41,311	\$9,111	\$10,240	\$19,351	\$3,893	\$488	\$4,132	\$9,203	\$13,335	\$1,019

		Pre	sent Value	of Accru	ed (Earned) Benefits	*					
(Dollars in Millions)		PERS			TRS		SERS	PSERS		LEOFF		WSPRS
	Plan 1	Plans 2/3	Total	Plan 1	Plans 2/3	Total	Plans 2/3	Plan 2	Plan 1	Plan 2	Total	
Active Members												
Retirement	\$1,475	\$14,438	\$15,913	\$921	\$5,442	\$6,363	\$1,852	\$139	\$152	\$4,484	\$4,636	\$286
Termination	2	483	485	0	167	168	103	14	0	87	87	2
Death	12	153	164	6	48	54	21	1	2	70	72	4
Disability	2	83	85	0	5	5	7	1	1	226	227	1
Return of Contributions on Termination	1	126	127	0	8	8	11	8	0	52	52	1
Return of Contributions on Death	22	126	148	10	10	20	11	2	0	78	78	1
Total Active	\$1,513	\$15,409	\$16,922	\$937	\$5,681	\$6,618	\$2,006	\$166	\$155	\$4,997	\$5,152	\$296
Inactive Members												
Terminated	\$173	\$2,290	\$2,463	\$53	\$762	\$815	\$428	\$12	\$1	\$154	\$155	\$11
Service Retired	10,434	5,746	16,180	8,028	1,523	9,551	804	2	1,874	1,517	3,391	600
Disability Retired	125	125	250	87	11	99	14	0	1,818	123	1,941	7
Survivors	639	228	866	343	39	383	21	0	561	69	630	46
Total Inactive	\$11,371	\$8,389	\$19,760	\$8,511	\$2,336	\$10,847	\$1,267	\$15	\$4,255	\$1,862	\$6,117	\$663
Laws of 2014	0	0	0	0	0	0	0	0	0	0	0	0
2013 Total	\$12,884	\$23,798	\$36,682	\$9,449	\$8,016	\$17,465	\$3,273	\$180	\$4,410	\$6,859	\$11,269	\$959
2012 Total	\$12,368	\$20,347	\$32,714	\$9,058	\$6,799	\$15,857	\$2,820	\$135	\$4,121	\$6,071	\$10,193	\$859

^{*}Calculated using the Projected Unit Credit (PUC) cost method. This method was not used to determine contribution requirements.

				Fully Pro	ojected Benef	it Payments					
					PERS - Plan	1					
(Dollars in Millions)	Future	Present		Future	Present		Future	Present		Future	Present
Year	Value	Value	Year	Value	Value	Year	Value	Value	Year	Value	Value
2013	\$1,220	\$1,175	2038	\$599	\$88	2063	\$14	\$0	2088	\$1	\$0
2014	1,226	1,095	2039	558	76	2064	12	0	2089	1	0
2015	1,230	1,020	2040	515	65	2065	11	0	2090	0	0
2016	1,230	945	2041	473	56	2066	10	0	2091	0	0
2017	1,224	873	2042	431	47	2067	9	0	2092	0	0
2018	1,214	803	2043	390	39	2068	8	0	2093	0	0
2019	1,199	736	2044	350	33	2069	7	0	2094	0	0
2020	1,181	673	2045	311	27	2070	6	0	2095	0	0
2021	1,161	613	2046	274	22	2071	6	0	2096	0	0
2022	1,137	557	2047	240	18	2072	5	0	2097	0	0
2023	1,113	506	2048	207	14	2073	5	0	2098	0	0
2024	1,086	458	2049	178	11	2074	4	0	2099	0	0
2025	1,058	414	2050	152	9	2075	4	0	2100	0	0
2026	1,029	373	2051	128	7	2076	3	0	2101	0	0
2027	999	336	2052	107	6	2077	3	0	2102	0	0
2028	968	302	2053	90	4	2078	3	0	2103	0	0
2029	936	271	2054	74	3	2079	2	0	2104	0	0
2030	902	242	2055	61	3	2080	2	0	2105	0	0
2031	868	216	2056	51	2	2081	2	0	2106	0	0
2032	833	193	2057	42	1	2082	2	0	2107	0	0
2033	797	171	2058	34	1	2083	1	0	2108	0	0
2034	759	151	2059	28	1	2084	1	0	2109	0	0
2035	721	133	2060	24	1	2085	1	0	2110	0	0
2036	681	117	2061	20	1	2086	1	0	2111	0	0
2037	\$641	\$102	2062	\$17	\$0	2087	\$1	\$0	2112	\$0	\$0
									Total	\$30,891	\$13,012

				Fully Pr	ojected Benef	it Payments					
					PERS - Plans	2/3					
(Dollars in Millions)	Future	Present		Future	Present		Future	Present		Future	Present
Year	Value	Value	Year	Value	Value	Year	Value	Value	Year	Value	Value
2013	\$665	\$641	2038	\$5,182	\$763	2063	\$3,839	\$86	2088	\$210	\$1
2014	750	670	2039	5,320	727	2064	3,656	76	2089	165	1
2015	890	738	2040	5,445	690	2065	3,472	67	2090	128	0
2016	1,040	800	2041	5,556	653	2066	3,286	59	2091	98	0
2017	1,199	855	2042	5,656	617	2067	3,100	52	2092	74	0
2018	1,370	906	2043	5,739	581	2068	2,914	45	2093	55	0
2019	1,552	953	2044	5,804	545	2069	2,729	39	2094	40	0
2020	1,743	993	2045	5,845	509	2070	2,545	34	2095	29	0
2021	1,941	1,025	2046	5,865	474	2071	2,363	29	2096	20	0
2022	2,143	1,050	2047	5,862	439	2072	2,183	25	2097	14	0
2023	2,346	1,066	2048	5,837	406	2073	2,006	21	2098	10	0
2024	2,549	1,074	2049	5,793	373	2074	1,833	18	2099	7	0
2025	2,752	1,076	2050	5,729	343	2075	1,663	15	2100	4	0
2026	2,956	1,072	2051	5,646	313	2076	1,500	13	2101	3	0
2027	3,160	1,064	2052	5,547	286	2077	1,342	11	2102	2	0
2028	3,363	1,050	2053	5,434	259	2078	1,192	9	2103	1	0
2029	3,563	1,032	2054	5,309	235	2079	1,049	7	2104	1	0
2030	3,761	1,010	2055	5,172	212	2080	916	6	2105	0	0
2031	3,958	986	2056	5,025	192	2081	791	5	2106	0	0
2032	4,154	960	2057	4,871	172	2082	677	4	2107	0	0
2033	4,345	932	2058	4,710	154	2083	573	3	2108	0	0
2034	4,531	901	2059	4,544	138	2084	480	2	2109	0	0
2035	4,709	869	2060	4,373	123	2085	397	2	2110	0	0
2036	4,876	835	2061	4,198	110	2086	325	1	2111	0	0
2037	\$5,034	\$799	2062	\$4,020	\$98	2087	\$263	\$1	2112	\$0	\$0
									Total	\$247,788	\$33,404

				Fully Pr	ojected Bene	fit Payments	5				
					TRS - Plan	1					
(Dollars in Millions)	Future	Present		Future	Present		Future	Present		Future	Present
Year	Value	Value	Year	Value	Value	Year	Value	Value	Year	Value	Value
2013	\$904	\$870	2038	\$444	\$65	2063	\$10	\$0	2088	\$1	\$0
2014	911	814	2039	416	57	2064	9	0	2089	1	0
2015	913	757	2040	386	49	2065	8	0	2090	1	0
2016	910	699	2041	355	42	2066	7	0	2091	1	0
2017	902	643	2042	324	35	2067	7	0	2092	1	0
2018	891	589	2043	293	30	2068	6	0	2093	1	0
2019	876	538	2044	262	25	2069	6	0	2094	0	0
2020	859	489	2045	232	20	2070	6	0	2095	0	0
2021	840	444	2046	203	16	2071	5	0	2096	0	0
2022	820	402	2047	176	13	2072	5	0	2097	0	0
2023	799	363	2048	150	10	2073	5	0	2098	0	0
2024	777	327	2049	128	8	2074	5	0	2099	0	0
2025	754	295	2050	107	6	2075	4	0	2100	0	0
2026	731	265	2051	89	5	2076	4	0	2101	0	0
2027	708	238	2052	73	4	2077	4	0	2102	0	0
2028	685	214	2053	60	3	2078	3	0	2103	0	0
2029	663	192	2054	49	2	2079	3	0	2104	0	0
2030	640	172	2055	40	2	2080	3	0	2105	0	0
2031	618	154	2056	32	1	2081	3	0	2106	0	0
2032	595	138	2057	26	1	2082	2	0	2107	0	0
2033	572	123	2058	22	1	2083	2	0	2108	0	0
2034	548	109	2059	18	1	2084	2	0	2109	0	0
2035	524	97	2060	15	0	2085	2	0	2110	0	0
2036	499	85	2061	13	0	2086	2	0	2111	0	0
2037	\$472	\$75	2062	\$11	\$0	2087	\$1	\$0	2112	\$0	\$0
									Total	\$22,455	\$9,491

					TRS - Plans	2/3					
(Dollars in Millions)	Future	Present		Future	Present	Z/ 3	Future	Present		Future	Present
Year	Value	Value	Year	Value	Value	Year	Value	Value	Year	Value	Value
2013	\$168	\$162	2038	\$1,978	\$291	2063	\$2,231	\$50	2088	\$164	\$1
2014	201	179	2039	2,071	283	2064	2,159	45	2089	129	0
2015	250	207	2040	2,162	274	2065	2,084	40	2090	100	0
2016	302	232	2041	2,253	265	2066	2,004	36	2091	76	0
2017	355	253	2042	2,345	256	2067	1,922	32	2092	56	0
2018	410	271	2043	2,432	246	2068	1,836	28	2093	41	0
2019	468	287	2044	2,507	235	2069	1,747	25	2094	30	0
2020	527	300	2045	2,571	224	2070	1,655	22	2095	21	0
2021	589	311	2046	2,624	212	2071	1,562	19	2096	15	0
2022	653	320	2047	2,667	200	2072	1,466	17	2097	10	0
2023	719	327	2048	2,698	188	2073	1,369	15	2098	7	0
2024	787	332	2049	2,720	175	2074	1,271	13	2099	4	0
2025	858	335	2050	2,730	163	2075	1,172	11	2100	3	0
2026	930	337	2051	2,731	152	2076	1,073	9	2101	2	0
2027	1,005	338	2052	2,723	140	2077	975	8	2102	1	0
2028	1,083	338	2053	2,706	129	2078	879	6	2103	1	0
2029	1,163	337	2054	2,681	119	2079	784	5	2104	0	0
2030	1,246	335	2055	2,650	109	2080	692	4	2105	0	0
2031	1,333	332	2056	2,613	100	2081	605	4	2106	0	0
2032	1,422	329	2057	2,572	91	2082	522	3	2107	0	0
2033	1,513	325	2058	2,526	83	2083	445	2	2108	0	0
2034	1,606	319	2059	2,475	75	2084	375	2	2109	0	0
2035	1,700	314	2060	2,421	68	2085	312	1	2110	0	0
2036	1,793	307	2061	2,362	62	2086	256	1	2111	0	0
2037	\$1,886	\$299	2062	\$2,298	\$56	2087	\$206	\$1	2112	\$0	\$0
									Total	\$115,746	\$12,025

				Fully Pro	jected Benef	it Payments					
				•	SERS - Plans	2/3					
(Dollars in Millions)	Future	Present		Future	Present		Future	Present		Future	Present
Year	Value	Value	Year	Value	Value	Year	Value	Value	Year	Value	Value
2013	\$86	\$83	2038	\$680	\$100	2063	\$368	\$8	2088	\$22	\$0
2014	104	92	2039	689	94	2064	346	7	2089	17	0
2015	124	103	2040	696	88	2065	325	6	2090	14	0
2016	146	112	2041	701	82	2066	304	5	2091	10	0
2017	169	121	2042	705	77	2067	284	5	2092	8	0
2018	195	129	2043	706	71	2068	265	4	2093	6	0
2019	222	136	2044	705	66	2069	246	4	2094	4	0
2020	251	143	2045	702	61	2070	229	3	2095	3	0
2021	281	148	2046	696	56	2071	211	3	2096	2	0
2022	312	153	2047	688	52	2072	195	2	2097	2	0
2023	342	156	2048	678	47	2073	179	2	2098	1	0
2024	373	157	2049	666	43	2074	164	2	2099	1	0
2025	403	158	2050	652	39	2075	149	1	2100	0	0
2026	432	157	2051	635	35	2076	135	1	2101	0	0
2027	460	155	2052	617	32	2077	122	1	2102	0	0
2028	488	152	2053	598	29	2078	109	1	2103	0	0
2029	514	149	2054	577	26	2079	97	1	2104	0	0
2030	539	145	2055	555	23	2080	86	1	2105	0	0
2031	563	140	2056	532	20	2081	75	0	2106	0	0
2032	585	135	2057	508	18	2082	65	0	2107	0	0
2033	606	130	2058	484	16	2083	56	0	2108	0	0
2034	625	124	2059	461	14	2084	47	0	2109	0	0
2035	642	118	2060	437	12	2085	40	0	2110	0	0
2036	657	112	2061	413	11	2086	33	0	2111	0	0
2037	\$670	\$106	2062	\$390	\$9	2087	\$27	\$0	2112	\$0	\$0
									Total	\$29,207	\$4,495

				Fully Pro	jected Benef	it Payment	s				
PSERS - Plan 2											
(Dollars in Millions)	Future	Present		Future	Present		Future	Present		Future	Present
Year	Value	Value	Year	Value	Value	Year	Value	Value	Year	Value	Value
2013	\$3	\$3	2038	\$114	\$17	2063	\$221	\$5	2088	\$14	\$0
2014	3	3	2039	123	17	2064	216	5	2089	11	0
2015	3	3	2040	133	17	2065	211	4	2090	8	0
2016	4	3	2041	144	17	2066	205	4	2091	6	0
2017	5	3	2042	155	17	2067	198	3	2092	4	0
2018	6	4	2043	166	17	2068	191	3	2093	3	0
2019	7	5	2044	177	17	2069	183	3	2094	2	0
2020	9	5	2045	188	16	2070	175	2	2095	1	0
2021	11	6	2046	199	16	2071	166	2	2096	1	0
2022	14	7	2047	208	16	2072	157	2	2097	1	0
2023	17	8	2048	217	15	2073	147	2	2098	0	0
2024	20	9	2049	224	14	2074	137	1	2099	0	0
2025	24	9	2050	229	14	2075	127	1	2100	0	0
2026	28	10	2051	234	13	2076	116	1	2101	0	0
2027	33	11	2052	237	12	2077	105	1	2102	0	0
2028	38	12	2053	239	11	2078	94	1	2103	0	0
2029	44	13	2054	240	11	2079	83	1	2104	0	0
2030	51	14	2055	241	10	2080	73	0	2105	0	0
2031	58	14	2056	241	9	2081	62	0	2106	0	0
2032	65	15	2057	240	8	2082	53	0	2107	0	0
2033	72	15	2058	238	8	2083	44	0	2108	0	0
2034	80	16	2059	236	7	2084	36	0	2109	0	0
2035	88	16	2060	233	7	2085	29	0	2110	0	0
2036	96	16	2061	230	6	2086	23	0	2111	0	0
2037	\$105	\$17	2062	\$226	\$5	2087	\$18	\$0	2112	\$0	\$0
									Total	\$9,117	\$595

				Fully Pr	ojected Bene	fit Payments	s				
LEOFF - Plan 1											
(Dollars in Millions)	Future	Present		Future	Present		Future	Present		Future	Present
Year	Value	Value	Year	Value	Value	Year	Value	Value	Year	Value	Value
2013	\$357	\$344	2038	\$263	\$39	2063	\$6	\$0	2088	\$0	\$0
2014	365	326	2039	246	34	2064	5	0	2089	0	0
2015	371	307	2040	229	29	2065	4	0	2090	0	0
2016	376	289	2041	211	25	2066	3	0	2091	0	0
2017	381	272	2042	194	21	2067	2	0	2092	0	0
2018	384	254	2043	176	18	2068	2	0	2093	0	0
2019	387	238	2044	159	15	2069	2	0	2094	0	0
2020	389	221	2045	142	12	2070	1	0	2095	0	0
2021	390	206	2046	126	10	2071	1	0	2096	0	0
2022	390	191	2047	111	8	2072	1	0	2097	0	0
2023	389	177	2048	96	7	2073	1	0	2098	0	0
2024	388	164	2049	83	5	2074	1	0	2099	0	0
2025	386	151	2050	72	4	2075	0	0	2100	0	0
2026	382	139	2051	61	3	2076	0	0	2101	0	0
2027	378	127	2052	51	3	2077	0	0	2102	0	0
2028	373	116	2053	43	2	2078	0	0	2103	0	0
2029	367	106	2054	36	2	2079	0	0	2104	0	0
2030	360	97	2055	30	1	2080	0	0	2105	0	0
2031	351	88	2056	25	1	2081	0	0	2106	0	0
2032	342	79	2057	20	1	2082	0	0	2107	0	0
2033	331	71	2058	16	1	2083	0	0	2108	0	0
2034	320	64	2059	13	0	2084	0	0	2109	0	0
2035	307	57	2060	11	0	2085	0	0	2110	0	0
2036	293	50	2061	9	0	2086	0	0	2111	0	0
2037	\$278	\$44	2062	\$7	\$0	2087	\$0	\$0	2112	\$0	\$0
									Total	\$11,500	\$4,420

				Fully Pro	jected Benef	it Payments	;				
LEOFF - Plan 2											
(Dollars in Millions)	Future	Present		Future	Present		Future	Present		Future	Present
Year	Value	Value	Year	Value	Value	Year	Value	Value	Year	Value	Value
2013	\$140	\$135	2038	\$1,678	\$265	2063	\$1,554	\$40	2088	\$45	\$0
2014	168	151	2039	1,747	257	2064	1,481	36	2089	33	0
2015	201	168	2040	1,812	248	2065	1,407	32	2090	23	0
2016	236	184	2041	1,871	238	2066	1,330	28	2091	16	0
2017	275	199	2042	1,925	228	2067	1,252	24	2092	11	0
2018	317	213	2043	1,973	217	2068	1,173	21	2093	8	0
2019	362	226	2044	2,014	206	2069	1,093	18	2094	5	0
2020	410	239	2045	2,049	195	2070	1,014	16	2095	3	0
2021	462	250	2046	2,076	184	2071	934	14	2096	2	0
2022	518	261	2047	2,095	173	2072	856	12	2097	1	0
2023	577	270	2048	2,108	162	2073	778	10	2098	1	0
2024	639	278	2049	2,113	151	2074	702	8	2099	1	0
2025	703	285	2050	2,111	140	2075	628	7	2100	0	0
2026	771	290	2051	2,101	130	2076	556	6	2101	0	0
2027	841	295	2052	2,085	120	2077	488	5	2102	0	0
2028	913	298	2053	2,063	110	2078	423	4	2103	0	0
2029	987	299	2054	2,035	101	2079	362	3	2104	0	0
2030	1,063	300	2055	2,000	93	2080	306	2	2105	0	0
2031	1,140	299	2056	1,960	84	2081	255	2	2106	0	0
2032	1,218	297	2057	1,915	77	2082	209	1	2107	0	0
2033	1,297	295	2058	1,865	69	2083	169	1	2108	0	0
2034	1,376	291	2059	1,811	63	2084	134	1	2109	0	0
2035	1,454	286	2060	1,752	56	2085	105	1	2110	0	0
2036	1,531	280	2061	1,689	51	2086	80	0	2111	0	0
2037	\$1,606	\$273	2062	\$1,623	\$45	2087	\$61	\$0	2112	\$0	\$0
									Total	\$85,177	\$10,314

				Fully Pr	ojected Bene	fit Payments	5				
WSPRS - Plans 1/2											
(Dollars in Millions)	Future	Present		Future	Present		Future	Present		Future	Present
Year	Value	Value	Year	Value	Value	Year	Value	Value	Year	Value	Value
2013	\$47	\$45	2038	\$140	\$21	2063	\$113	\$3	2088	\$4	\$0
2014	49	44	2039	143	19	2064	108	2	2089	3	0
2015	53	44	2040	145	18	2065	103	2	2090	2	0
2016	56	43	2041	146	17	2066	97	2	2091	2	0
2017	60	43	2042	148	16	2067	92	2	2092	1	0
2018	63	42	2043	149	15	2068	86	1	2093	1	0
2019	67	41	2044	149	14	2069	80	1	2094	1	0
2020	70	40	2045	150	13	2070	74	1	2095	0	0
2021	74	39	2046	150	12	2071	68	1	2096	0	0
2022	78	38	2047	151	11	2072	62	1	2097	0	0
2023	82	37	2048	150	10	2073	57	1	2098	0	0
2024	86	36	2049	150	10	2074	51	1	2099	0	0
2025	90	35	2050	149	9	2075	46	0	2100	0	0
2026	95	34	2051	149	8	2076	41	0	2101	0	0
2027	99	33	2052	148	8	2077	36	0	2102	0	0
2028	103	32	2053	146	7	2078	32	0	2103	0	0
2029	107	31	2054	144	6	2079	28	0	2104	0	0
2030	111	30	2055	142	6	2080	24	0	2105	0	0
2031	115	29	2056	140	5	2081	20	0	2106	0	0
2032	119	27	2057	137	5	2082	17	0	2107	0	0
2033	123	26	2058	134	4	2083	14	0	2108	0	0
2034	126	25	2059	131	4	2084	11	0	2109	0	0
2035	130	24	2060	127	4	2085	9	0	2110	0	0
2036	134	23	2061	123	3	2086	7	0	2111	0	0
2037	\$137	\$22	2062	\$118	\$3	2087	\$5	\$0	2112	\$0	\$0
									Total	\$7,130	\$1,132

Plan Assets

Cash: Highly liquid, very safe investments that can be easily converted into cash, such as Treasury Bills and money-market funds.

Fixed Income: Securities representing debt obligations and usually having fixed payments and maturities. Different types of fixed income securities include government and corporate bonds, mortgage-backed securities, assetbacked securities, convertible issues, and may also include money-market instruments.

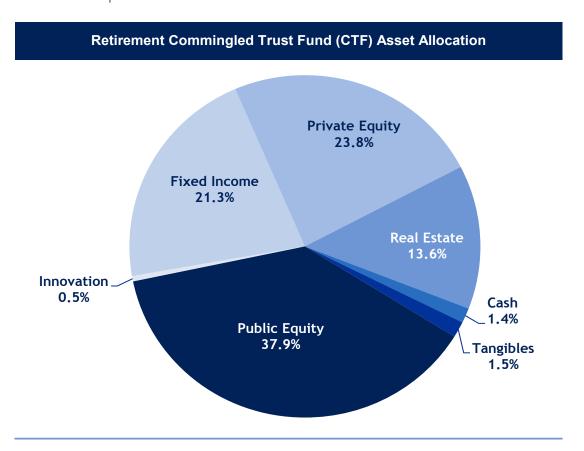
Innovation: Fund that provides the ability to invest in a broad range of assets that fall outside the traditional asset classes or management style of existing asset classes.

Public Equity: Shares of U.S. and non-U.S. corporations that trade on public exchanges or "over-the-counter." The ownership of a corporation is represented by shares that are claimed on the corporation's earnings and assets.

Private Equity: The infusion of equity capital into a private company (one that is not available on the public markets). Private equity investments include securities that are not listed on a public exchange and are not easily accessible to most individuals. These investments range from initial capital in startup enterprises to leveraged buyouts of mature corporations.

Real Estate: An externally-managed selection of partnership investments with the majority of the partnerships invested in high-quality real estate leased to third parties.

Tangibles: The tangible asset portfolio invests in sectors such as infrastructure, timber, agriculture, natural resources, commodities, or other sectors consistent with the goals of the asset class.



	Change i	in Market Va	lue of Asse	ts		
(Dollars in Millions)		PERS			TRS	
	Plan 1	Plan 2/3*		Plan 1	Plan 2/3*	
	Fund 631	Fund 641	Total	Fund 632	Fund 642	Total
2012 Market Value	\$7,374	\$20,678	\$28,052	\$6,189	\$7,087	\$13,276
Revenue						
Contributions						
Employee	21	316	337	11	34	46
Employer/State	266	389	655	119	229	348
Total Contributions	288	705	992	130	263	393
Investment Return	863	2,556	3,419	721	878	1,598
Restorations	8	20	28	5	1	6
Transfers In	0	0	0	0	0	0
Miscellaneous	0	0	0	0	0	0
Total Revenue	\$1,159	\$3,281	\$4,440	\$855	\$1,142	\$1,998
Disbursements						
Monthly Benefits**	\$1,181	\$460	\$1,641	\$915	\$117	\$1,031
Refunds	4	36	40	2	3	5
Total Benefits	1,185	496	1,681	917	120	1,036
Transfers Out	0	4	4	0	0	0
Expenses	1	1	1	1	0	1
Total Disbursements	\$1,186	\$500	\$1,686	\$917	\$120	\$1,037
Payables	\$0	\$0	\$0	\$0	\$0	\$0
2013 Market Value	\$7,347	\$23,459	\$30,806	\$6,127	\$8,109	\$14,237
2013 Actuarial Value	\$8,053	\$24,335	\$32,388	\$6,717	\$8,406	\$15,123
Ratio (AV/MV)	110%	104%	105%	110%	104%	106%

^{*}Defined Benefit portion only.

^{**}TRS Plan 1 value includes annuity cashouts.

	Cł		rket Value o ontinued)	f Assets			
(Dollars in Millions)	SERS	PSERS		LEOFF		WSPRS	Total
	Plan 2/3*	Plan 2	Plan 1	Plan 2			
	Fund 633	Fund 635	Fund 819	Fund 829	Total	Fund 615	
2012 Market Value	\$2,827	\$174	\$4,903	\$6,640	\$11,544	\$879	\$56,753
Revenue							
Contributions							
Employee	26	16	0	136	136	5	566
Employer/State	78	16	1	137	137	6	1,241
Total Contributions	104	31	1	272	273	12	1,807
Investment Return	349	22	586	825	1,412	107	6,907
Restorations	1	0	1	8	9	1	45
Transfers In	0	0	0	2	2	1	3
Miscellaneous	0	0	0	0	0	0	0
Total Revenue	\$454	\$54	\$588	\$1,107	\$1,696	\$120	\$8,762
Disbursements							
Monthly Benefits	66	0	352	101	452	44	3,235
Refunds	3	2	0	9	9	0	58
Total Benefits	69	2	352	109	461	44	3,294
Transfers Out	0	0	0	0	0	0	4
Expenses	0	0	0	1	1	0	4
Total Disbursements	\$69	\$2	\$352	\$110	\$462	\$44	\$3,302
Payables	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2013 Market Value	\$3,212	\$226	\$5,140	\$7,637	\$12,777	\$956	\$62,213
2013 Actuarial Value	\$3,335	\$224	\$5,516	\$7,862	\$13,379	\$1,009	\$65,458
Ratio (AV/MV)	104%	99%	107%	103%	105%	106%	105%

^{*}Defined Benefit portion only.

			Calculation	of Actuarial	Value of Ass	ets		
(Do	llars in Millions))		PERS 1	PERS 2/3*	TRS 1	TRS 2/3*	SERS 2/3*
a.	Market Value	at 6/30/2013	3	\$7,347	\$23,459	\$6,127	\$8,109	\$3,212
b.	Deferred Gair	ns and (Loss	ses)					
	Plan Year	Years	Years					
	Ending	Deferred	Remaining					
	6/30/2013	5	4	\$252	\$735	\$210	\$253	\$101
	6/30/2012	7	5	(375)	(935)	(315)	(318)	(128)
	6/30/2011	8	5	597	1,350	501	458	184
	6/30/2010	6	2	138	243	113	82	33
	6/30/2009	8	3	(1,198)	(2,057)	(1,000)	(700)	(284)
	6/30/2008	8	2	(253)	(410)	(212)	(141)	(58)
	9/30/2007	8	1	133	198	113	70	28
	Total Deferral			(\$706)	(\$876)	(\$590)	(\$297)	(\$123)
C.	Market Value	less Deferra	al (a-b)	\$8,053	\$24,335	\$6,717	\$8,406	\$3,335
d.	70% of Marke	et Value of A	ssets	\$5,143	\$16,421	\$4,289	\$5,676	\$2,248
e.	130% of Mark	ket Value of	Assets	\$9,551	\$30,497	\$7,966	\$10,542	\$4,175
f.	Actuarial Va	lue of Asset	s**	\$8.053	\$24.335	\$6.717	\$8.406	\$3.335

^{*}Defined Benefit portion only.

^{**}Actuarial Value of Assets can never be less than 70% or greater than 130% of the market value of assets.

	Calculation of Actuarial Value of Assets (Continued)									
(Do	llars in Millions)			PSERS 2	LEOFF 1	LEOFF 2	WSPRS	Total		
a.	Market Value a	at 6/30/2013		\$226	\$5,140	\$7,637	\$956	\$62,213		
b.	Deferred Gains	and (Losses)								
	Diam Wass	V	V							

	Plan Year	Years	Years					
	Ending	Deferred	Remaining					
	6/30/2013	5	4	\$6	\$170	\$257	\$31	\$2,015
	6/30/2012	7	5	(7)	(239)	(278)	(41)	(2,636)
	6/30/2011	8	5	8	366	437	62	3,962
	6/30/2010	3, 5, 6*	0, 1, 2*	0	78	44	12	744
	6/30/2009	8	3	(5)	(683)	(620)	(106)	(6,654)
	6/30/2008	8	2	(1)	(143)	(123)	(22)	(1,362)
	9/30/2007	8	1	0	74	58	11	686
	Total Deferral			\$2	(\$377)	(\$225)	(\$54)	(\$3,245)
C.	Market Value	less Deferra	l (a-b)	\$224	\$5,516	\$7,862	\$1,009	\$65,458
d.	70% of Marke	et Value of A	ssets	\$158	\$3,598	\$5,346	\$669	\$43,549
e.	130% of Mark	ket Value of A	Assets	\$294	\$6,682	\$9,929	\$1,242	\$80,877
f.	Actuarial Va	lue of Asset	S**	\$224	\$5,516	\$7,862	\$1,009	\$65,458

^{*}PSERS Plan 2 = 3 years deferred, 0 years remaining; LEOFF Plan 2 = 5 years deferred, 1 year remaining; all other plans = 6 years deferred, 2 years remaining.

^{**}Actuarial Value of Assets can never be less than 70% or greater than 130% of the market value of assets.

	Investment Gains a	nd (Losses) f	or Prior Yea	r		
(Do	llars in Millions)	PERS 1	PERS 2/3*	TRS 1	TRS 2/3*	SERS 2/3*
a.	2012 Market Value (at WSIB)	\$7,378	\$20,630	\$6,194	\$7,055	\$2,812
b.	Total Cash Flow	(893)	221	(785)	144	37
C.	2013 Market Value (at WSIB)	7,349	23,411	6,131	8,078	3,199
d.	Actual Return (c - b - a)	\$864	\$2,560	\$721	\$880	\$350
e.	Weighted Asset Amount	\$6,922	\$20,700	\$5,789	\$7,110	\$2,824
f.	Expected Return (7.9% x e)	547	1,635	457	562	223
g.	Investment Gain/(Loss) for Prior Year (d - f)	315	919	262	316	126
h.	Dollar-Weighted Rate of Return	12.45%	12.34%	12.43%	12.35%	12.36%

	Investment Gains	and (Losse Continued)	s) for Prior	Year		
(Dol	lars in Millions)	PSERS 2	LEOFF 1	LEOFF 2	WSPRS	Total
a.	2012 Market Value (at WSIB)	\$172	\$4,903	\$6,620	\$878	\$56,643
b.	Total Cash Flow	29	(351)	172	(30)	(1,456)
C.	2013 Market Value (at WSIB)	224	5,139	7,617	955	62,103
d.	Actual Return (c - b - a)	\$22	\$587	\$826	\$107	\$6,917
e.	Weighted Asset Amount	\$186	\$4,721	\$6,693	\$861	\$55,807
f.	Expected Return (7.9% x e)*	15	373	502	68	4,382
g.	Investment Gain/(Loss) for Prior Year (d - f)	8	213	322	38	2,519
h.	Dollar-Weighted Rate of Return	12.06%	12.41%	12.31%	12.37%	12.37%

^{*}Defined Benefit portion only.

^{*}The expected return for LEOFF 2 is (7.5% x e).

Funded Status

We report a plan's funded status by comparing the plan's current assets to the present value of earned pensions of its members. Funded status can vary significantly from plan to plan, depending on the assumptions and methods used to determine the plan's assets and liabilities. For this valuation report, we present two funded status measures.

The first funded status measure compares the Actuarial Value of Assets (AVA) to the Projected Unit Credit (PUC) liabilities calculated using a long-term interest assumption. The second measure compares the Market Value of Assets (MVA) to the PUC liabilities calculated using a

short-term interest assumption. The next sections describe these measures in more detail and display the resulting funded statuses by plan. Please see the **Glossary** for an explanation of the PUC actuarial cost method.

Funded Status on an Actuarial Value Basis

We report the funded status on an actuarial value basis as the ratio of the AVA to the PUC liability calculated using the 7.8 percent valuation interest rate assumption (7.5 percent for the Law Enforcement Officers' and Fire Fighters' [LEOFF] Retirement Plan 2). We assume the plan is ongoing and, therefore, we use the same long-term assumptions to develop the liabilities as we used for determining the contribution requirements of the plan. We don't expect the assumptions to match actual experience over short-term periods. However, we do expect these assumptions to reasonably approximate average annual experience over long-term periods. This measure of funded status is consistent with the state's current funding policy and financing plan for future retirement benefits.

We use an asset valuation method to determine the AVA. This asset valuation method smooths the inherent volatility in the MVA by deferring a portion of annual investment gains or losses for a certain number of years. Investment gains and losses occur when the annual return on investments varies from the long-term assumed rate. To determine the 2013 investment gains or losses, we used an investment return assumption of 7.9 percent (7.5 percent for LEOFF 2). The AVA provides a more stable measure of the plan's assets on an ongoing basis.

We used the PUC actuarial cost method to determine the present value of earned pensions. The PUC liabilities are actuarial liabilities based on members' earned service credit as of the valuation date. They include future assumed salary increases and reflect future service credits for determining benefit eligibility. The PUC liabilities are discounted to the valuation date using the valuation interest rate to determine the present value (today's value). The valuation interest rate is consistent with the long-term expected return on invested contributions.

Comparing the PUC liabilities to the AVA provides an appropriate measure of a plan's funded status. Under current Governmental Accounting Standards Board (GASB) rules, the PUC method is one of several acceptable

measures of a plan's funded status. Use of another cost method could also be considered appropriate and could produce materially different results. A plan with a funded status under this measurement of at least 100 percent is generally considered to be on target with its financing plan. However, a plan more/less than 100 percent funded is not automatically considered over-funded/at-risk.

GASB Statements 67 and 68 become effective after June 15, 2015, replace the current GASB Statements, and require use of the Entry Age Normal Cost Method (EANC) for accounting purposes. We will begin reporting the EANC funded status with the next actuarial valuation report, as of June 30, 2014.

The table on the following page displays the funded status on an actuarial value basis for each plan.

(Dollars in Millions)	PE			RS	SERS	PSERS	LEC		WSPRS	Total
	Plan 1	Plan 2/3	Plan 1	Plan 2/3	Plan 2/3	Plan 2	Plan 1	Plan 2		
PUC Liability	\$12,884	\$23,798	\$9,449	\$8,016	\$3,273	\$180	\$4,410	\$6,859	\$959	\$69,82
Valuation Assets	\$8,053	\$24,335	\$6,717	\$8,406	\$3,335	\$224	\$5,516	\$7,862	\$1,009	\$65,45
Jnfunded Liability	\$4,831	(\$537)	\$2,732	(\$390)	(\$62)	(\$44)	(\$1,107)	(\$1,003)	(\$50)	\$4,37
Funded Ratio										
2013 **	63%	102%	71%	105%	102%	124%	125%	115%	105%	94
2012	69%	111%	79%	114%	110%	134%	135%	119%	114%	101
2011 **	71%	112%	81%	113%	110%	132%	135%	119%	115%	101
2010 ***	74%	113%	84%	116%	113%	129%	127%	119%	118%	102
2009 **	70%	116%	75%	118%	116%	128%	125%	128%	119%	99
2008 **	71%	119%	77%	125%	121%	127%	128%	133%	121%	100
2007 **	71%	120%	76%	130%	126%	120%	123%	129%	118%	99
2006 **	74%	121%	80%	133%	125%	99%	117%	116%	114%	100
2005 **	74%	127%	80%	134%	122%	N/A	114%	114%	113%	99
2004	81%	134%	88%	153%	137%	N/A	109%	117%	118%	105
2003	82%	142%	89%	155%	138%	N/A	112%	125%	123%	107
2002	92%	158%	98%	182%	169%	N/A	119%	137%	135%	118
2001 **	97%	179%	100%	197%	197%	N/A	129%	154%	147%	126
2000 **	98%	190%	100%	196%	170%	N/A	136%	161%	152%	131
1999	93%	189%	93%	188%	N/A	N/A	125%	154%	159%	124
1998	86%	191%	86%	185%	N/A	N/A	117%	160%	147%	116
1997 **	83%	187%	82%	181%	N/A	N/A	108%	155%	140%	109
1996	73%	157%	70%	144%	N/A	N/A	89%	130%	128%	92
1995	68%	150%	65%	136%	N/A	N/A	80%	126%	119%	85
1994 **	67%	142%	65%	130%	N/A	N/A	68%	124%	110%	80
1993	70%	142%	62%	126%	N/A	N/A	68%	127%	110%	79
1992	67%	139%	59%	127%	N/A	N/A	65%	128%	108%	75
1991	67%	149%	59%	131%	N/A	N/A	66%	154%	106%	75
1990	66%	154%	60%	140%	N/A	N/A	65%	153%	105%	74
1989 **	65%	162%	58%	144%	N/A	N/A	65%	158%	103%	73
1988	66%	165%	59%	143%	N/A	N/A	66%	153%	102%	72
1987	71%	175%	58%	135%	N/A	N/A	69%	157%	95%	74
1986	63%	162%	50%	125%	N/A	N/A	57%	142%	87%	63

^{*}Liabilities valued using the PUC cost method at an interest rate of 7.8% (7.5% for LEOFF 2). All assets have been valued under the actuarial asset method.

^{**}Assumptions changed.

^{***}LEOFF 2 values for 2010 were updated after the 2010 AVR was published.

The present value of actuarial liabilities is sensitive to the interest rate assumption. The tables to the right show how the funded status changes when we use different interest rate assumptions. We calculated liabilities using varying interest rates to show this sensitivity.

		Funded	Status at a	a 1% Lowe	r Interest I	Rate Assur	mption*			
(Dollars in Millions)	PE	RS	TF	TRS		PSERS	LEOFF		WSPRS	Total
	Plan 1	Plan 2/3	Plan 1	Plan 2/3	Plan 2/3	Plan 2	Plan 1	Plan 2		
PUC Liability	\$14,012	\$27,818	\$10,272	\$9,523	\$3,806	\$226	\$4,844	\$8,212	\$1,105	\$79,818
Valuation Assets	\$8,053	\$24,335	\$6,717	\$8,406	\$3,335	\$224	\$5,516	\$7,862	\$1,009	\$65,458
Unfunded Liability	\$5,959	\$3,484	\$3,555	\$1,117	\$471	\$2	(\$673)	\$349	\$96	\$14,360
Funded Ratio										
2013	57%	87%	65%	88%	88%	99%	114%	96%	91%	82%
2012	64%	96%	73%	97%	95%	108%	124%	100%	100%	89%
2011	65%	96%	75%	96%	95%	106%	123%	100%	100%	89%
2010**	68%	96%	78%	97%	96%	103%	116%	99%	102%	90%
2009	64%	99%	69%	99%	99%	102%	114%	107%	103%	87%
2008	65%	100%	70%	104%	103%	101%	117%	111%	105%	88%
2007	65%	101%	70%	108%	107%	95%	111%	107%	102%	87%

Note: Totals may not agree due to rounding.

		Funded	Status at a	a 1% Highe	er Interest	Rate Assu	mption*			
(Dollars in Millions)	PE	RS	TF	RS	SERS	PSERS	LEC	FF	WSPRS	Total
	Plan 1	Plan 2/3	Plan 1	Plan 2/3	Plan 2/3	Plan 2	Plan 1	Plan 2		
PUC Liability	\$11,914	\$20,600	\$8,741	\$6,838	\$2,845	\$147	\$4,039	\$5,808	\$843	\$61,775
Valuation Assets	\$8,053	\$24,335	\$6,717	\$8,406	\$3,335	\$224	\$5,516	\$7,862	\$1,009	\$65,458
Unfunded Liability	\$3,861	(\$3,735)	\$2,023	(\$1,568)	(\$490)	(\$78)	(\$1,477)	(\$2,054)	(\$167)	(\$3,683)
Funded Ratio										
2013	68%	118%	77%	123%	117%	153%	137%	135%	120%	106%
2012	74%	128%	85%	133%	126%	162%	146%	140%	129%	113%
2011	76%	129%	87%	133%	127%	161%	146%	140%	130%	113%
2010**	80%	130%	91%	136%	130%	157%	139%	141%	133%	115%
2009	76%	135%	82%	140%	134%	158%	137%	152%	135%	112%
2008	77%	139%	84%	149%	141%	157%	141%	159%	137%	113%
2007	77%	141%	84%	155%	148%	149%	135%	154%	134%	112%

^{*}Liabilities valued using the PUC cost method at an interest rate of 6.8% (6.5% for LEOFF 2). All assets have been valued under the actuarial asset method.

^{**}LEOFF 2 values for 2010 were updated after the 2010 AVR was published.

^{*}Liabilities valued using the PUC cost method at an interest rate of 8.8% (8.5% for LEOFF 2). All assets have been valued under the actuarial asset method.

^{**}LEOFF 2 values for 2010 were updated after the 2010 AVR was published.

Funded Status on a Market Value Basis

We report funded status on a market value basis as the ratio of the MVA to the PUC liability calculated using a 5 percent interest rate assumption. The funded status on a market value basis provides a measure of the plan's health if the plan is "settled" or "immunized" on the valuation date. Immunizing a pension plan means attaching assets to liabilities so the assets maturing each year match the expected pension payments due from the pension plan each year. A plan can be settled by purchasing annuities on the open market for each member, or immunized by investing the assets in bonds with payment streams that match the expected benefit payments. Expected benefit payments would include growth for future salary inflation, which is why we have used the PUC liability measure instead of a purely accrued liability measure.

Because most of the Washington State plans covered in this valuation report are open and ongoing, we only present the market value funded status for the closed Plans 1. Although the Plans 1 are closed to new members, they are not settled and have not been immunized. However, there is an opportunity to immunize these plans in the future. They are considered ongoing plans because current annuitants continue to receive their benefits from the retirement trust fund, and current active members continue to accrue benefits under the plan. However, because the plans are closed to new members, the future benefit payments are more predictable, have a shorter duration, and would be easier to immunize. The decision to

settle or immunize the Plans 1 is complex and would require additional actuarial analysis and information that is outside the scope of this report.

The table below displays the market value funded status for each plan as described above.

Both funded status measures vary based on the measurement (valuation) date and the market conditions on that date. The market value measure, however, is more volatile because the asset value has no smoothing and the ability to immunize the plan depends on current bond and annuity purchase rates.

Funded Status	on a Market Va	lue Basis*	
(Dollars in Millions)	PERS	TRS	LEOFF
	Plan 1	Plan 1	Plan 1
Projected Unit Credit Liability	\$16,561	\$12,134	\$5,840
Market Value of Assets	7,347	6,127	5,140
Unfunded Liability	\$9,214	\$6,007	\$701
Funded Ratio			
2013	44%	50%	88%
2012	47%	54%	91%
2011	51%	58%	95%
2010	49%	56%	82%
2009	43%	46%	76%
2008	60%	65%	107%
2007	66%	70%	114%
2006	64%	67%	102%
2005	61%	63%	94%
2004	59%	60%	82%

^{*} Liabilities have been valued using an interest rate of 5% while assets are their market value. The 5% interest rate approximates the "risk-free" rate of return on assets while maintaining consistency with the 3% inflation assumption used to project future benefit payments. This method was not used to determine contribution requirements. Prior to 2011, liabilities were valued at 5.5%.

Actuarial Gains/Losses

The next three tables display actuarial gains and losses, expressed as contribution rate changes. Actuaries use gain/loss analysis to compare actual changes to assumed changes in assets, liabilities, and salaries from various sources. We also use this analysis to determine:

- ◆ The accuracy of our valuation model and annual processing.
- ♦ Why contribution rates changed.
- ♦ The reasonableness of the actuarial assumptions.

Actuarial gains will reduce contribution rates; actuarial losses will increase contribution rates. Under a reasonable set of actuarial assumptions, actuarial gains and losses will offset over long-term experience periods.

Change in Employer and S	tate Contribu	tion Rate by	Source			
Change in Employer Rate	PERS	TRS	SERS*	PSERS*	LEOFF**	WSPRS
2012 Contribution Rate Before Laws of 2013	9.15%	10.68%	9.80%	10,28%	(8.79%)	7.76%
Remove Rate Floor / Ceiling	0.00%	(0.21%)	0.00%	0.00%	(0.74%)	(4.66%)
Remove Plan 1 Benefit Improvements After 2009	(0.14%)	(0.15%)	(0.14%)	(0.14%)	N/A	N/A
Remove Prior Liability and LEOFF 1 Funding Method Changes	(0.11%)	(0.77%)	(1.00%)	0.00%	0.34%	(1.32%)
2012 Adjusted Contribution Rate	8.90%	9.55%	8.66%	10.14%	(9.19%)	1.78%
Liability Gains/Losses	0.15%	0.29%	0.33%	0.32%	0.04%	0.70%
Asset Gains/Losses	0.73%	1.15%	0.45%	(0.02%)	0.89%	0.69%
Present Value of Future Salaries Gains/Losses	(0.48%)	(0.79%)	(0.43%)	(0.39%)	(0.40%)	(0.17%)
Incremental Changes	2.81%	3.41%	1.85%	0.86%	2.98%	4.51%
Other Gains/Losses	(0.07%)	(0.06%)	0.88%	1.02%	(0.20%)	(0.18%)
Total Change	3.14%	4.00%	3.08%	1.79%	3.31%	5.55%
2013 Preliminary Contribution Rate	12.04%	13.55%	11.74%	11.93%	(5.88%)	7.33%
Increase from Applied Rate Floor	0.00%	0.00%	0.00%	0.00%	0.40%	0.00%
Decrease from Applied Rate Ceiling	0.00%	0.00%	0.00%	0.00%	0.00%	N/A
Increase from Plan 1 Benefit Improvements After 2009	0.14%	0.15%	0.14%	0.14%	N/A	N/A
Rate to Amortize Prior Liability	0.11%	0.77%	1.00%	0.00%	0.00%	1.32%
Excess Member Rate	N/A	0.00%	N/A	N/A	N/A	0.14%
Laws of 2014	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2013 Adjusted Contribution Rate	12.29%	14.47%	12.88%	12.07%	(5.48%)	8.79%

^{*}The SERS and PSERS rates include the UAAL rate for PERS Plan 1. The "Other Gains/Losses" category includes the "Total Change" for the PERS 1 UAAL rate in those systems.

^{**}The LEOFF contribution rate is the state's portion for Plan 2 (20% of the Normal Cost) plus the UAAL rate for Plan 1.

Change in Employer and Stat	e Plan 2/3 N	ormal Cost	Rate by So	urce		
Change in Normal Costs	PERS	TRS	SERS	PSERS	LEOFF*	WSPRS**
2012 Normal Cost Before Laws of 2013	4.94%	5.72%	5.59%	6.07%	3.10%	7.76%
Remove Rate Floor / Ceiling	0.00%	(0.21%)	0.00%	0.00%	(0.74%)	(4.66%)
Remove Prior Employer Liability	(0.11%)	(0.77%)	(1.00%)	0.00%	0.00%	(1.32%)
2012 Adjusted Normal Cost Rate	4.83%	4.74%	4.59%	6.07%	2.36%	1.78%
Liabilities						
Salaries	(0.40%)	(0.49%)	(0.36%)	(0.28%)	(0.14%)	(0.58%)
Termination	(0.11%)	(0.26%)	(0.12%)	(0.07%)	0.00%	0.02%
Retirement	0.03%	0.05%	0.04%	0.00%	(0.01%)	(0.13%)
Growth / Return to Work	0.44%	0.89%	0.61%	0.69%	0.16%	0.65%
Other Liabilities	0.18%	0.10%	0.16%	(0.02%)	0.04%	0.74%
Total Liability Gains/Losses	0.14%	0.29%	0.33%	0.32%	0.05%	0.70%
Asset Gains/Losses	0.25%	0.26%	0.45%	(0.02%)	(0.02%)	0.69%
Present Value of Future Salaries Gains/Losses	(0.23%)	(0.39%)	(0.43%)	(0.39%)	(0.06%)	(0.17%)
Incremental Changes						
Plan Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Method Change	0.00%	0.00%	(0.02%)	0.00%	0.00%	0.00%
Assumption Change	0.38%	0.40%	0.41%	0.20%	0.00%	0.98%
Correction Change	0.00%	0.00%	0.00%	(0.02%)	0.00%	0.00%
Experience Study Change	1.67%	1.54%	1.46%	0.68%	0.43%	3.53%
Total Incremental Changes Gains/Losses	2.05%	1.94%	1.85%	0.86%	0.43%	4.51%
Other Gains/Losses	(0.04%)	(0.05%)	(0.09%)	0.05%	0.03%	(0.18%)
Total Change	2.17%	2.05%	2.11%	0.82%	0.43%	5.55%
2013 Preliminary Normal Cost	7.00%	6.79%	6.70%	6.89%	2.79%	7.33%
Increase from Applied Rate Floor	0.00%	0.00%	0.00%	0.00%	0.40%	0.00%
Rate to Amortize Prior Employer Liability	0.11%	0.77%	1.00%	0.00%	0.00%	1.32%
Excess Member Rate	N/A	0.00%	N/A	N/A	N/A	0.14%
Laws of 2014	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2013 Adjusted Normal Cost	7.11%	7.56%	7.70%	6.89%	3.19%	8.79%

^{*}The LEOFF contribution rate is the state's portion only (20% of the Plan 2 Normal Cost).

^{**}The WSPRS normal cost contribution rate applies to Plans 1 and 2.

Change in Employe	er and State Pl	an 1 UAAL Ra	ate by Source	9		
Change in UAAL Rate	PERS	TRS	SERS*	PSERS*	LEOFF**	WSPRS
2012 UAAL Rate Before Laws of 2013	4.21%	4.96%	4.21%	4.21%	(11.89%)	N/A
Remove Rate Floor / Ceiling	0.00%	0.00%	0.00%	0.00%	0.00%	N/A
Remove Plan 1 Benefit Improvements After 2009	(0.14%)	(0.15%)	(0.14%)	(0.14%)	0.0070 N/A	N/A
LEOFF 1 Roll Forward Funding Method	(0.1470) N/A	(0.1370) N/A	(0.1470) N/A	(0.1 4 /0) N/A	0.34%	N/A
2012 Adjusted UAAL Rate	4.07%	4.81%	4.07%	4.07%	(11.55%)	N/A
Liabilities	4.01 /0	4.0170	4.01 /0	4101 70	(11.0070)	10/4
Salaries	(0.03%)	(0.06%)	N/A	N/A	(0.03%)	N/A
Termination	0.00%	0.00%	N/A	N/A	0.00%	N/A
Retirement	(0.01%)	(0.03%)	N/A	N/A	(0.02%)	N/A
Return to Work	0.00%	0.00%	N/A	N/A	0.00%	N/A
Inflation (CPI)	0.00%	0.00%	N/A	N/A	(0.14%)	N/A
Other Liabilities	0.05%	0.09%	N/A	N/A	0.18%	N/A
Total Liability Gains/Losses	0.01%	0.00%	N/A	N/A	(0.01%)	N/A
Asset Gains/Losses	0.48%	0.89%	N/A	N/A	0.91%	N/A
Present Value of Future Salaries Gains/Losses	(0.25%)	(0.40%)	N/A	N/A	(0.34%)	N/A
Incremental Changes		,				
Plan Change	0.00%	0.00%	N/A	N/A	0.00%	N/A
Method Change	0.01%	0.00%	N/A	N/A	0.00%	N/A
Assumption Change	0.08%	0.16%	N/A	N/A	0.29%	N/A
Correction Change	0.00%	0.02%	N/A	N/A	0.00%	N/A
Experience Study Change	0.67%	1.29%	N/A	N/A	2.26%	N/A
Total Incremental Changes Gains/Losses	0.76%	1.47%	N/A	N/A	2.55%	N/A
Other Gains/Losses	(0.03%)	(0.01%)	N/A	N/A	(0.23%)	N/A
Total Change	0.97%	1.95%	0.97%	0.97%	2.88%	N/A
2013 Preliminary UAAL Rate	5.04%	6.76%	5.04%	5.04%	(8.67%)	N/A
Increase from Applied Rate Floor	0.00%	0.00%	0.00%	0.00%	N/A	N/A
Decrease from Applied Rate Ceiling	0.00%	0.00%	0.00%	0.00%	0.00%	N/A
Increase from Plan 1 Benefit Improvements After 2009	0.14%	0.15%	0.14%	0.14%	N/A	N/A
Laws of 2014	0.00%	0.00%	0.00%	0.00%	0.00%	N/A
2013 Adjusted UAAL Rate	5.18%	6.91%	5.18%	5.18%	(8.67%)	N/A

^{*}The SERS and PSERS rates are to fund the PERS Plan 1 UAAL.

^{**}The LEOFF contribution rate is the UAAL rate for plan 1. The plan has a surplus of assets over liabilities, so no rate is currently payable.

Effect of Plan, Assumption, and Method Changes

In addition to experience gains or losses, changes in plan provisions or actuarial assumptions or methods can also impact contribution rates.

Plan Changes

♦ None.

Assumption Changes

- ◆ For all systems, except LEOFF 2, we lowered the assumed long-term rate of return from 7.9 to 7.8 percent.
- ♦ We updated assumed administrative factors.
- ♦ We updated demographic assumptions as a result of the 2007-2012 Experience Study.

Method Changes

- ♦ We changed the structure of PSERS termination benefits within our valuation software.
- We changed how we value survivorbeneficiary benefits under the Basic Minimum COLA in PERS 1 and TRS 1.

Other Changes

♦ None.

Effect of Changes on the Current Valuation

The table below shows the effect of the above changes on the current actuarial valuation results.

	Eff	ect of Plan,	Assumptio	n, and Met	hod Chang	es			
	PERS 1	PERS 2/3	TRS 1	TRS 2/3	SERS 2/3	PSERS 2	LEOFF 1	LEOFF 2*	WSPRS
Before Changes									
PVFB	\$12,269	\$30,635	\$8,901	\$11,036	\$4,173	\$539	\$4,092	\$9,814	\$1,064
PUC Liability	12,148	22,139	8,862	7,440	3,080	167	4,083	6,655	904
Actuarial Value of Assets	8,053	24,335	6,717	8,406	3,335	224	5,516	7,862	1,009
Unfunded Liability	4,095	(2,196)	2,145	(966)	(255)	(57)	(1,433)	(1,208)	(106)
Employer Contribution Rate	9.47%	9.47%	11.14%	11.14%	10.21%	10.37%	0.00%	4.64%	7.70%
After Changes									
PVFB	\$13,012	\$33,404	\$9,491	\$12,025	\$4,495	\$595	\$4,420	\$10,314	\$1,132
PUC Liability	12,884	23,798	9,449	8,016	3,273	\$180	4,410	6,859	959
Actuarial Value of Assets	8,053	24,335	6,717	8,406	3,335	\$224	5,516	7,862	1,009
Unfunded Liability	4,831	(537)	2,732	(390)	(62)	(\$44)	(1,107)	(1,003)	(50)
Employer Contribution Rate	12.29%	12.29%	14.47%	14.47%	12.88%	12.07%	0.00%	4.78%	8.79%
Increase / (Decrease) in Rate	2.82%	2.82%	3.33%	3.33%	2.67%	1.70%	0.00%	0.14%	1.09%

Before and after changes include actuarial gains and losses for the year ending 6/30/2013.

Both before and after contribution rates include rate minimums and maximums.

^{*}The LEOFF Plan 2 contribution rate is the employer's portion only (30% of the Plan 2 Normal Cost)

Participant Data



Overview of System Membership

The state administers nine retirement systems for state and local public employees. Retirement system membership is determined according to the participant's occupation and employer. Employees covered by each system are defined in separate chapters of the Revised Code of Washington.

In addition to the six systems described below, the state also administers benefits for volunteer fire fighters and two small judicial systems, which are not included in this valuation. The volunteer fire fighters have a separate actuarial valuation. The judicial systems are closed to new members, and any judge hired after June 30, 1988, becomes a member of the Public Employees' Retirement System Plans 2/3.

Beginning with the 2015 valuation period, OSA will also perform valuations for certain retirement provisions under Higher Education Retirement Plans. These plans are offered to certain employees of colleges and universities in Washington and are not administered by the Department of Retirement Systems. The results of these valuations will be provided in separate reports.

PERS - Public Employees' Retirement System Chapter 41.40 RCW	State employees; employees of all counties and most cities (some exceptions are Tacoma, Seattle, and Spokane); non-teaching employees of institutions of higher learning and community colleges; employees of ports, service districts, Energy Northwest, public utility districts, and judges first elected or appointed after June 30, 1988.
TRS - Teachers' Retirement System <i>Chapter</i> 41.32 <i>RCW</i>	Certificated teachers; administrators; and educational staff associates.
SERS - School Employees' Retirement System Chapter 41.35 RCW	Classified school district employees.
PSERS - Public Safety Employees' Retirement System <i>Chapter 41.37 RCW</i>	Correction officers (state, state community, county, city, and local community); state park rangers; enforcement officers with the Liquor Control Board, Washington State Patrol (commercial vehicle), Gambling Commission, and the Department of Natural Resources.
LEOFF - Law Enforcement Officers' and Fire Fighters' Retirement System <i>Chapter 41.26 RCW</i>	Fire fighters; emergency medical technicians; law enforcement officers including sheriffs; university, port, city police officers, and enforcement officers with the Department of Fish and Wildlife.
WSPRS - Washington State Patrol Retirement System <i>Chapter 43.43 RCW</i>	Commissioned officers of the Washington State Patrol.

	Active Men	nbership I	By Employe	r and Plan			
	All		PERS			TRS	
Employer	Systems	Plan 1	Plan 2	Plan 3	Plan 1	Plan 2	Plan 3
State Agencies	58,372	1,811	41,932	10,887	21	27	43
Higher Education	21,228	581	13,997	6,432	19	7	82
Community Colleges	5,959	175	4,210	1,322	50	32	170
K-12	117,219	1,336	0	0	2,292	11,922	50,965
Counties	34,263	857	24,228	4,605	0	0	0
County Sub Divisions	12,397	269	9,770	2,064	0	0	0
First Class Cities	8,156	96	2,487	581	0	0	0
Other Cities	17,492	298	10,279	1,829	0	0	0
Ports	2,380	45	1,833	329	0	0	0
Education Service District	1,930	34	0	0	11	83	211
Fire Districts	4,295	7	667	91	0	0	0
Public Utility District	4,571	89	3,896	586	0	0	0
Water Districts	1,886	44	1,628	214	0	0	0
Energy Northwest	1,192	6	824	362	0	0	0
Unions	5	5	0	0	0	0	0
TOTAL	291,345	5,653	115,751	29,302	2,393	12,071	51,471

Active Membership By Employer and Plan (Continued)												
	SE	RS	PSERS	LE	OFF	WSI	PRS					
Employer	Plan 2	Plan 3	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2					
State Agencies	0	0	2,461	0	124	657	409					
Higher Education	0	0	0	0	110	0	0					
Community Colleges	0	0	0	0	0	0	0					
K-12	21,020	29,684	0	0	0	0	0					
Counties	0	0	1,803	17	2,753	0	0					
County Sub Divisions	0	0	81	2	211	0	0					
First Class Cities	0	0	26	76	4,890	0	0					
Other Cities	0	0	142	33	4,911	0	0					
Ports	0	0	0	0	173	0	0					
Education Service District	740	851	0	0	0	0	0					
Fire Districts	0	0	0	15	3,515	0	0					
Public Utility District	0	0	0	0	0	0	0					
Water Districts	0	0	0	0	0	0	0					
Energy Northwest	0	0	0	0	0	0	0					
Unions	0	0	0	0	0	0	0					
TOTAL	21,760	30,535	4,513	143	16,687	657	409					

The following tables show participant data changes from last year's valuation to this year's valuation. We divide the participant data into two main categories:

- ♦ Actives members accruing benefits in the plan.
- ◆ Annuitants members and beneficiaries receiving benefits from the plan.

Reconciliation of Participant Data											
		PERS				TRS					
	Plan 1	Plan 2	Plan 3	Total	Plan 1	Plan 2	Plan 3	Total			
2012 Actives	6,635	115,877	28,078	150,590	3,019	10,849	51,489	65,357			
Transfers	0	(136)	3,950	3,814	0	(17)	1,737	1,720			
Hires/Rehires	112	10,045	738	10,895	21	2,189	1,461	3,671			
New Retirees	(940)	(2,584)	(238)	(3,762)	(614)	(228)	(575)	(1,417)			
Deaths	(22)	(218)	(29)	(269)	(8)	(8)	(34)	(50)			
Terminations	(132)	(7,233)	(3,197)	(10,562)	(25)	(714)	(2,607)	(3,346)			
2013 Actives	5,653	115,751	29,302	150,706	2,393	12,071	51,471	65,935			
2012 Annuitants	52,672	27,820	1,750	82,242	36,054	3,060	3,804	42,918			
New Retirees	1,226	3,902	387	5,515	721	412	1,045	2,178			
Annuitant Deaths	(2,391)	(649)	(23)	(3,063)	(1,019)	(36)	(24)	(1,079)			
New Survivors	370	265	27	662	168	10	38	216			
Other	(17)	(9)	(2)	(28)	(12)	(1)	0	(13)			
2013 Annuitants	51,860	31,329	2,139	85,328	35,912	3,445	4,863	44,220			
Ratio Actives to Annuitants	0.11	3.69	13.70	1.77	0.07	3.50	10.58	1.49			

Reconciliation of Participant Data (Continued)											
		SERS		PSERS		LEOFF		,	WSPRS		All
	Plan 2	Plan 3	Total	Plan 2	Plan 1	Plan 2	Total	Plan 1	Plan 2	Total	Systems
2012 Actives	20,846	30,712	51,558	4,250	186	16,720	16,906	712	354	1,066	289,727
Transfers	(46)	2,048	2,002	0	0	0	0	0	0	0	7,536
Hires/Rehires	2,959	649	3,608	596	0	612	612	1	62	63	19,445
New Retirees	(446)	(481)	(927)	(13)	(42)	(366)	(408)	(54)	0	(54)	(6,581)
Deaths	(36)	(35)	(71)	(2)	0	(11)	(11)	(1)	0	(1)	(404)
Terminations	(1,517)	(2,358)	(3,875)	(318)	(1)	(268)	(269)	(1)	(7)	(8)	(18,378)
2013 Actives	21,760	30,535	52,295	4,513	143	16,687	16,830	657	409	1,066	291,345
2012 Annuitants	4,437	3,214	7,651	27	7,845	2,344	10,189	915	0	915	143,942
New Retirees	691	785	1,476	16	42	441	483	55	0	55	9,723
Annuitant Deaths	(82)	(22)	(104)	0	(261)	(16)	(277)	(18)	0	(18)	(4,541)
New Survivors	38	18	56	0	104	16	120	12	0	12	1,066
Other	0	0	0	0	(1)	(3)	(4)	0	0	0	(45)
2013 Annuitants	5,084	3,995	9,079	43	7,729	2,782	10,511	964	0	964	150,145
Ratio Actives to Annuitants	4.28	7.64	5.76	104.95	0.02	6.00	1.60	0.68	N/A	1.11	1.94

Summary of Plan Participants

	Summary o	f Plan Par	ticipants					
PERS		20	13			20	12	
	Plan 1	Plan 2	Plan 3	Total	Plan 1	Plan 2	Plan 3	Total
Active Members								
Number	5,653	115,751	29,302	150,706	6,635	115,877	28,078	150,590
Total Salaries (millions)	\$318	\$6,759	\$1,581	\$8,657	\$371	\$6,688	\$1,504	\$8,563
Average Age	62.2	48.4	43.6	48.0	61.5	48.4	43.5	48.1
Average Service	24.5	12.6	8.7	12.3	24.1	12.5	8.7	12.3
Average Salary	\$56,224	\$58,388	\$53,948	\$57,444	\$55,878	\$57,718	\$53,579	\$56,865
Terminated Members								
Number Vested	1,384	25,383	4,280	31,047	1,594	24,953	3,968	30,515
Number "Non-Vested"	3,810	97,381	0	101,191	4,042	95,834	0	99,876
Retirees (including L&I disabled)								
Number of Retirees (All)	51,860	31,329	2,139	85,328	52,672	27,820	1,750	82,242
Average Monthly Benefit, All Retirees	\$1,892	\$1,256	\$723	\$1,629	\$1,850	\$1,158	\$675	\$1,591
Number of New "Service Retirees"	1,209	3,782	375	5,366	1,289	3,314	347	4,950
Avg. Monthly Benefit, New "Service Retirees"	\$2,350	\$1,731	\$896	\$1,812	\$2,361	\$1,618	\$877	\$1,760

Summary of Plan Participants (Continued)										
TRS		20	13			20	12			
	Plan 1	Plan 2	Plan 3	Total	Plan 1	Plan 2	Plan 3	Total		
Active Members										
Number	2,393	12,071	51,471	65,935	3,019	10,849	51,489	65,357		
Total Salaries (millions)	\$183	\$740	\$3,483	\$4,406	\$229	\$669	\$3,408	\$4,305		
Average Age	63.0	44.5	46.1	46.4	62.3	45.7	45.7	46.5		
Average Service	30.1	10.1	13.7	13.6	29.3	11.0	13.3	13.7		
Average Salary	\$76,549	\$61,320	\$67,664	\$66,825	\$75,681	\$61,648	\$66,191	\$65,875		
Terminated Members										
Number Vested	391	2,330	7,102	9,823	477	2,348	6,720	9,545		
Number "Non-Vested"	453	4,812	0	5,265	505	4,626	0	5,131		
Temporarily Disabled	0	0	0	0	0	0	0	0		
Retirees										
Number of Retirees (All)	35,912	3,445	4,863	44,220	36,054	3,060	3,804	42,918		
Average Monthly Benefit, All Retirees	\$2,060	\$1,612	\$903	\$1,898	\$2,028	\$1,516	\$837	\$1,886		
Number of New "Service Retirees"	717	409	1,028	2,154	841	409	843	2,093		
Avg. Monthly Benefit, New "Service Retirees"	\$2,973	\$2,014	\$1,098	\$1,896	\$2,885	\$1,858	\$1,023	\$1,935		

Summary	of Plan Par (Continued)	ticipants				
SERS		2013			2012	
	Plan 2	Plan 3	Total	Plan 2	Plan 3	Total
Active Members						
Number	21,760	30,535	52,295	20,846	30,712	51,558
Total Salaries (millions)	\$623	\$892	\$1,514	\$594	\$885	\$1,479
Average Age	51.1	50.6	50.8	51.3	50.4	50.8
Average Service	10.8	10.7	10.7	11.1	10.5	10.7
Average Salary	\$28,620	\$29,195	\$28,956	\$28,494	\$28,810	\$28,682
Terminated Members						
Number Vested	5,190	6,398	11,588	4,992	5,928	10,920
Number "Non-Vested"	8,861	0	8,861	8,143	0	8,143
Retirees						
Number of Retirees (All)	5,084	3,995	9,079	4,437	3,214	7,651
Average Monthly Benefit, All Retirees	\$780	\$410	\$617	\$738	\$389	\$591
Number of New "Service Retirees"	669	770	1,439	627	607	1,234
Average Monthly Benefit, New "Service Retirees"	\$942	\$466	\$687	\$914	\$442	\$682

Summary of Plan Participants (Continued)		
PSERS	2013	2012
	Plan 2	Plan 2
Active Members		
Number	4,513	4,250
Total Salaries (millions)	\$253	\$238
Average Age	40.4	40.1
Average Service	4.8	4.3
Average Salary	\$56,075	\$55,999
Terminated Members		
Number Vested	119	60
Number "Non-Vested"	1,383	1,329
Retirees		
Number of Retirees (All)	43	27
Average Monthly Benefit, All Retirees	\$358	\$264
Number of New "Service Retirees"	16	9
Average Monthly Benefit, New "Service Retirees"	\$511	\$340

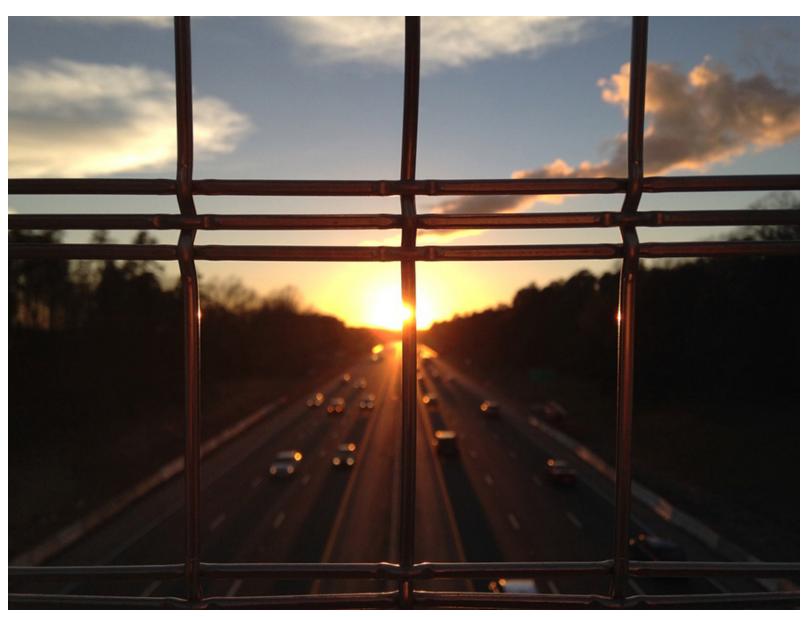
Summary of Plan Participants										
	(Continued)	0040			0040					
LEOFF		2013			2012					
	Plan 1	Plan 2	Total	Plan 1	Plan 2	Total				
Active Members										
Number	143	16,687	16,830	186	16,720	16,906				
Total Salaries (millions)	\$15	\$1,597	\$1,612	\$19	\$1,560	\$1,579				
Average Age	61.9	43.5	43.7	60.9	43.2	43.4				
Average Service	38.2	14.6	14.8	37.1	14.3	14.6				
Average Salary	\$103,362	\$95,694	\$95,759	\$100,828	\$93,308	\$93,391				
Terminated Members										
Number Vested	1	698	699	0	689	689				
Number "Non-Vested"	35	1,565	1,600	41	1,558	1,599				
Retirees										
Number of Retirees (All)	7,729	2,782	10,511	7,845	2,344	10,189				
Average Monthly Benefit, All Retirees	\$3,841	\$3,151	\$3,658	\$3,720	\$2,911	\$3,534				
Number of New "Service Retirees"*	42	402	444	63	323	386				
Average Monthly Benefit, New "Service Retirees"*	\$7,106	\$4,091	\$4,376	\$6,777	\$3,970	\$4,428				

^{*}Includes disabled retirees for Plan 1 only.

Summary of Plan Participants (Continued)										
WSPRS		2013			2012					
	Plan 1	Plan 2	Total	Plan 1	Plan 2	Total				
Active Members										
Number	657	409	1,066	712	354	1,066				
Total Salaries (millions)	\$54	\$27	\$80	\$57	\$23	\$80				
Average Age	45.6	32.5	40.6	45.2	32.5	41.0				
Average Service	18.9	5.7	13.8	18.5	5.5	14.2				
Average Salary	\$81,465	\$65,058	\$75,170	\$80,263	\$65,165	\$75,249				
Terminated Members										
Number Vested	70	10	80	71	8	79				
Number "Non-Vested"	18	14	32	18	13	31				
Disabled Members*	49	0	49	49	0	49				
Retirees										
Number of Retirees (All)	964	0	964	915	0	915				
Average Monthly Benefit, All Retirees	\$3,881	\$0	\$3,881	\$3,748	\$0	\$3,748				
Number of New "Service Retirees"	55	0	55	47	0	47				
Average Monthly Benefit, New "Service Retirees"	\$4,194	\$0	\$4,194	\$3,949	\$0	\$3,949				

^{*}Benefits provided outside of pension funds.

4 Appendices



Actuarial Methods and Assumptions

To calculate the contribution rates necessary to pre-fund the plan's benefits, an actuary uses an actuarial cost method, asset valuation method, economic assumptions, and demographic assumptions.

Actuarial Cost Methods

The future benefit obligations (or costs of the plan) are spread over the working lifetimes of the plan members based on the actuarial cost method (or funding method) in place for the plan. This produces a future stream of contributions to pre-fund the plan's benefits. Different cost methods pre-fund plans at different rates. Some put more money in earlier whereas others put more money in later.

Actuarial cost methods generally have two parts, which serve to:

- ◆ Fund future benefits in a consistent manner from year to year.
- Make up for any shortfalls in prior funding, including differences in funding when experience differs from assumptions.

The two parts of an actuarial cost method are:

- ◆ The Normal Cost the value of future benefits allocated to the current plan year under the actuarial cost method.
- ◆ Amortization of the Unfunded Actuarial Accrued Liability (UAAL) – where the UAAL represents the amount of past service liability that exceeds the value of the plan's assets.

The Legislature was responsible for the selection of the actuarial cost and asset valuation methods. The actuarial cost methods for the Washington State retirement systems are as follows.

Public Employees' Retirement System (PERS) Plan 1 and **Teachers' Retirement System** (TRS) Plan 1: We use a variation of the Entry Age Normal Cost Method (EANC) to determine the actuarial accrued liability. Under this method, the UAAL is equal to the unfunded actuarial present value of projected benefits less the actuarial present value of future normal costs for all active members and is reset at each valuation date. The present value of future normal costs is based on the Aggregate Normal Cost rate for Plans 2/3 and the resulting UAAL is amortized over a rolling tenyear period, as a level percentage of projected system payroll. The projected payroll includes pay from Plan 2 and Plan 3 as well as projected payroll from future new entrants.

As a result of this hybrid method, employers are charged the same contribution rate, regardless of the plan in which employees hold membership.

The method is subject to maximum contribution rates prior to 2015 and minimum contribution rates thereafter.

Law Enforcement Officers' and Fire Fighters' (LEOFF) Plan 1: A variation of the Frozen Initial Liability Cost Method is used to determine the normal cost and the actuarial accrued liability for retirement, termination, and ancillary benefits. Under this method, the UAAL is equal to the unfunded actuarial present value of projected benefits less the actuarial present value of future normal costs for all active members and is reset at each valuation date. The present value of future normal costs is based on the Aggregate normal cost rate for Plan 2 and the resulting UAAL is amortized by June 30, 2024, as a level percentage of projected system payroll. The projected payroll includes pay from Plan 2 as well as projected payroll from future new entrants.

Plans 2 and Plans 3: We use the Aggregate Cost Method to determine the normal cost and the actuarial accrued liability. Under this method, the unfunded actuarial present value of fully projected benefits is amortized over the future payroll of the active group. Plan 2 members pay 50 percent of the normal cost. The entire contribution is considered normal cost and no UAAL exists.

For TRS Plan 2, the maximum employee contribution rate is 6.59 percent plus 50 percent of the contribution rate increases from benefit improvements effective on or after July 1, 1996. The

employer picks up any employee cost sharing that exceeds the employee rate maximum. Please see the **Actuarial Exhibits** section for a table showing the current TRS Plan 2 maximum member contribution rates

Washington State Patrol Retirement System (WSPRS): We use the Aggregate Cost Method to determine the normal cost and the actuarial accrued liability. The entire normal cost is divided equally between the employee and the employer. The maximum employee contribution rate is 7 percent plus 50 percent of the contribution rate increases from benefit improvements effective on or after July 1, 2007. The employer picks up any employee cost sharing that exceeds the employee rate maximum. Please see the Actuarial Exhibits section for a table showing the current WSPRS Plans 1/2 maximum member contribution rates.

In this valuation, we use the Projected Unit Credit (PUC) cost method to report the plan's funded status. The PUC cost method projects future benefits under the plan, using salary growth and other assumptions, and applies the service that has been earned as of the valuation date to determine accrued liabilities. Comparing the PUC liabilities to the actuarial value of assets on the valuation date provides an appropriate measure of a plan's funded status. Under current Governmental Accounting Standards Board (GASB) rules, the PUC method is one of several acceptable measures of a plan's funded status. Use of another cost method could also be considered appropriate and could produce materially different results.

Please see the <u>Glossary</u> for a further explanation of the PUC cost method.

GASB Statements 67 and 68 become effective after June 15, 2015, replace the current GASB Statements, and require use of the EANC for accounting purposes. We will begin reporting the EANC funded status with the next actuarial valuation report, as of June 30, 2014.

We use the plan's assets to calculate contribution rates, unfunded liabilities, and the plan's funded status. Because the market value of assets can be volatile from one year to the next, an asset valuation method is generally used to adjust the market value of assets and smooth the effects of short-term volatility. The adjusted assets are called the actuarial value of assets, or valuation assets.

For this valuation, we calculate the Actuarial Value of Assets (AVA) using an asset smoothing method. This smoothing method was adopted during the 2003 Legislative Session. Each year, beginning with the application of this smoothing method, we determine the amount the actual investment return exceeds (or falls below) the expected investment return and we smooth that year's gain (or loss) based on the scale in the table below.

Additionally, to ensure the AVA maintains a reasonable relationship to the Market Value of Assets (MVA), a 30 percent corridor is in place. This means the AVA may not exceed 130 percent nor drop below 70 percent of the MVA in any valuation.

Annual Gain/Loss										
Rate of Return, LEOFF 2	Rate of Return, All Other Plans	Smoothing Period	Annual Recognition							
14.5% and up	14.9% and up	8 years	12.50%							
13.5-14.5%	13.9-14.9%	7 years	14.29%							
12.5-13.5%	12.9-13.9%	6 years	16.67%							
11.5-12.5%	11.9-12.9%	5 years	20.00%							
10.5-11.5%	10.9-11.9%	4 years	25.00%							
9.5-10.5%	9.9-10.9%	3 years	33.33%							
8.5-9.5%	8.9-9.9%	2 years	50.00%							
6.5-8.5%	6.9-8.9%	1 year	100.00%							
5.5-6.5%	5.9-6.9%	2 years	50.00%							
4.5-5.5%	4.9-5.9%	3 years	33.33%							
3.5-4.5%	3.9-4.9%	4 years	25.00%							
2.5-3.5%	2.9-3.9%	5 years	20.00%							
1.5-2.5%	1.9-2.9%	6 years	16.67%							
0.5-1.5%	0.9-1.9%	7 years	14.29%							
0.5% and lower	0.9% and lower	8 years	12.50%							

Economic Assumptions

These generally include the annual rate of return on plan assets, annual rate of inflation, and annual rate of salary growth. The economic assumptions used in this actuarial valuation are prescribed by the Legislature, the PFC, and the LEOFF Plan 2 Retirement Board, and are shown in the following table.

Economic Assumptions										
By System		PERS	TRS	SERS	PSERS	LEOFF	WSPRS			
Annual Growth in Membership		0.95%	0.80%	0.95%	0.95%	1.25%	0.95%			
Interest on Member Contributions ¹	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%				
Return on Investment Earnings ²	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%				
Inflation ³		3.00%	3.00%	3.00%	3.00%	3.00%	3.00%			
General Salary Increases (includes inflat	ion) ⁴	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%			
Annual COLA	Plan 1:	Minimum COLA ⁵	Minimum COLA ⁵	N/A	N/A	3.00% ⁶	3.00% ⁷			
	Plan 2/3:	3.00%7	3.00% ⁷	3.00% ⁷	3.00%7	3.00% ⁷	3.00% ⁷			

¹ Annual rate, compounded quarterly except for WSPRS, which is compounded monthly. This rate is set by the director of the Department of Retirement Systems.

We adjust the general salary assumption for TRS each year to model the salary bonus payable to members who attain national board certification. These bonuses are includable in compensation for pension purposes.

TRS General Salary Increase by Year										
Year	TRS 1	TRS 2/3								
2013	3.80%	3.80%								
2014	3.85%	3.85%								
2015	3.77%	3.77%								
2016	3.75%	3.75%								
2017	3.75%	3.75%								
2018	3.85%	3.85%								
2019	3.84%	3.84%								
2020	3.83%	3.83%								
2021	3.83%	3.82%								
2022	3.82%	3.82%								
2023	3.81%	3.81%								
2024	3.80%	3.80%								
2025	3.79%	3.79%								
2026	3.78%	3.78%								
2027	3.77%	3.77%								
2028	3.77%	3.77%								
2029+	3.75%	3.75%								

Includes inflation.

² Effective for contribution rates beginning July 1, 2015. The rate is 7.50% in LEOFF 2. Annual rate, compounded annually,

³ Based on the CPI: Urban Wage Earners & Clerical Workers, Seattle-Tacoma-Bremerton, WA - All Items.

⁴ Excludes longevity, merit or step increases that usually apply to members in the early part of their careers.

⁵ The increase was \$2.12 per month per year of service on 7/1/2014. Payable to qualified members. The Uniform COLA was removed under C 362 L 2011.

⁶ Equal to the CPI.

⁷ Based on the CPI (3% maximum per year).

Demographic Assumptions

These include rates of retirement, rates at which members become disabled, turnover rates, mortality rates, and several other demographic assumptions as disclosed later in this section.

Changes in Methods and Assumptions Since the Last Valuation

- ♦ We changed the structure of PSERS termination benefits within our valuation software. We corrected the retirement age for terminated vested benefits to reflect eligibility based on PSERS service.
- ♦ We changed how we value survivor-beneficiary benefits under the Basic Minimum Cost Of Living Adjustment (COLA) for PERS 1 and TRS 1. We assume beneficiaries will receive 100 percent of the Basic Minimum COLA, regardless of the Joint and Survivor option selected by the member.
- Step Salary Increases by System **PERS TRS SERS PSERS LEOFF WSPRS** % % % Salary Salary % % Salarv % Service Salarv Salarv Salarv Years Increase Ratio Increase Ratio Increase Ratio **Increase** Ratio **Increase** Ratio **Increase** Ratio 6.00% 1.382 1.642 0 1.367 5.10% 1.573 6.60% 6.00% 1.367 10.70% 1.827 8.50% 6.00% 1.290 1.297 6.00% 10.70% 8.50% 1.513 5.10% 1.496 6.60% 1.290 1.650 1.395 2 4.70% 1.217 3.90% 1.424 3.90% 1.217 4.70% 1.217 7.50% 1.491 6.00% 3.60% 1.162 3.90% 1.370 2.80% 3.60% 5.90% 5.00% 1.316 1.171 1.162 1.387 2.90% 1.122 2.90% 5.00% 1.253 3.50% 1.319 2.30% 1.139 1.122 3.70% 1.310 2.20% 1.090 3.00% 1.274 2.10% 1.113 2.20% 1.090 2.60% 1.263 5.00% 1.194 6 1.50% 1.067 2.70% 1.237 1.60% 1.090 1.50% 1.067 1.80% 1.231 3.50% 1.137 1.205 1.20% 1.20% 1.40% 1.098 1.20% 1.051 2.70% 1.073 1.051 1.209 0.60% 8 0.90% 1.039 2.60% 1.173 1.20% 0.90% 1.30% 0.60% 1.092 1.061 1.039 1.192 9 0.70% 1.029 2.40% 1.143 0.90% 1.048 0.70% 1.029 1.20% 1.177 0.60% 1.085 10 1.079 0.50% 1.022 2.20% 1.116 0.90% 1.039 0.50% 1.022 1.70% 1.163 0.60% 0.40% 0.40% 1.072 1.017 2.00% 1.092 0.70% 1.029 1.017 1.20% 1.144 0.60% 12 0.30% 1.013 1.80% 1.071 0.50% 1.022 0.30% 1.013 1.20% 1.130 0.40% 1.066 0.30% 1.010 1.50% 1.052 0.40% 1.017 0.30% 1.010 1.20% 1.117 0.40% 1.062 0.20% 1.007 1.20% 1.037 0.30% 1.013 0.20% 1.007 1.20% 1.104 0.40% 1.057 0.20% 1.005 0.90% 1.024 0.20% 0.20% 1.20% 0.40% 1.053 1.010 1.005 1.090 16 0.20% 1.003 0.50% 1.015 0.20% 1.008 0.20% 1.00% 0.40% 1.049 1.003 1.078 0.10% 1.001 0.20% 1.010 0.20% 1.006 0.10% 1.001 1.00% 1.067 0.40% 1.045 18 0.00% 1.000 1.008 0.20% 0.00% 1.00% 0.40% 1.041 0.10% 1.004 1.000 1.056 19 0.00% 0.00% 1.00% 0.40% 1.037 1.000 0.10% 1.007 0.10% 1.002 1.000 1.046 20 0.00% 1.000 0.10% 1.006 0.10% 1.001 0.00% 1.000 1.00% 1.036 0.40% 1.032 0.00% 1.000 0.10% 1.005 0.00% 1.000 0.00% 1.000 0.50% 1.025 0.40% 1.028 22 0.00% 1.000 0.10% 1.004 0.00% 1.000 0.00% 1.000 0.50% 1.020 0.40% 1.024 1.000 1.003 0.00% 0.40% 1.020 0.00% 0.10% 0.00% 1.000 1.000 0.50% 1.015 24 0.00% 1.000 0.10% 1.002 0.00% 1.000 0.00% 1.000 0.50% 1.010 0.40% 1.016 25 0.00% 1.000 0.10% 1.001 0.00% 1.000 0.00% 1.000 0.50% 1.005 0.40% 1.012 26 0.00% 1.000 0.00% 1.000 0.00% 1.000 0.00% 0.00% 1.000 0.40% 1.008 1.000 27 0.00% 1.000 0.00% 0.00% 1.000 0.00% 0.00% 0.40% 1.004 1.000 1.000 1.000 28 1.000 1.000 0.00% 0.00% 0.00% 1.000 0.00% 0.00% 1.000 1.000 1.000 0.00% 29 0.00% 1.000 0.00% 1.000 0.00% 1.000 0.00% 1.000 0.00% 1.000 0.00% 1.000 30+ 0.00% 1.000 0.00% 1.000 0.00% 1.000 0.00% 1.000 0.00% 1.000 0.00% 1.000
 - ◆ For all systems, except LEOFF 2, we assume a 7.8 percent interest rate.
 - We updated assumed administrative factors consistent with those currently in use by the Department of Retirement Systems.
- ♦ We performed an experience study of the plans for the period 2007-2012. As a result of this study, we updated demographic assumptions. For a full description of the assumption changes see the 2007-2012 Experience Study.

				Р	robability	of Service	Retireme	nt (Hired be	efore 5/1/	2013)					
					1	RS						S	ERS		
		Pla	ın 1				Pla	n 2/3				PI	an 2/3		
													Service g	reater than	
	Service	not equal	Service	equal to	Service	less than	Service	equal to	Service	e greater	Servi	ce less		or equal to	
	to 30	years	30)	years	30	years	30 years than 30 years than 30		30 years	30	years				
Age	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
51	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
52	0.00	0.20	0.36	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
53	0.22	0.20	0.36	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
54	0.22	0.20	0.36	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55	0.22	0.20	0.36	0.30	0.02	0.02	0.22	0.19	0.13	0.12	0.01	0.02	0.12	0.12	
56	0.22	0.20	0.36	0.30	0.02	0.03	0.22	0.21	0.15	0.14	0.02	0.02	0.12	0.12	
57	0.22	0.20	0.36	0.30	0.02	0.04	0.22	0.23	0.17	0.16	0.03	0.02	0.12	0.12	
58	0.22	0.20	0.39	0.30	0.02	0.05	0.28	0.25	0.19	0.18	0.04	0.03	0.12	0.12	
59	0.22	0.26	0.42	0.30	0.04	0.06	0.34	0.27	0.21	0.22	0.05	0.04	0.16	0.25	
60	0.22	0.20	0.42	0.30	0.06	0.07	0.41	0.29	0.23	0.20	0.06	0.05	0.12	0.12	
61	0.22	0.23	0.42	0.40	0.14	0.15	0.48	0.41	0.25	0.22	0.15	0.13	0.21	0.20	
62	0.35	0.26	0.56	0.50	0.22	0.23	0.55	0.53	0.36	0.32	0.24	0.21	0.30	0.28	
63	0.30	0.22	0.48	0.46	0.20	0.21	0.50	0.49	0.33	0.30	0.22	0.20	0.28	0.26	
64	0.25	0.29	0.40	0.46	0.55	0.48	0.55	0.53	0.55	0.49	0.56	0.52	0.57	0.48	
65	0.36	0.36	0.70	0.55	0.48	0.40	0.48	0.40	0.48	0.40	0.39	0.36	0.39	0.36	
66	0.36	0.36	0.70	0.55	0.41	0.32	0.41	0.32	0.41	0.32	0.22	0.24	0.22	0.24	
67	0.32	0.28	0.70	0.55	0.34	0.24	0.34	0.24	0.34	0.24	0.22	0.23	0.22	0.23	
68	0.28	0.28	0.70	0.55	0.27	0.24	0.27	0.24	0.27	0.24	0.22	0.22	0.22	0.22	
69	0.28	0.28	0.70	0.55	0.27	0.42	0.27	0.42	0.27	0.42	0.22	0.21	0.22	0.21	
70	0.22	0.28	1.00	0.55	0.27	0.30	0.27	0.30	0.27	0.30	0.22	0.20	0.22	0.20	
71	0.22	0.28	1.00	0.55	0.41	0.30	0.41	0.30	0.41	0.30	0.20	0.19	0.20	0.19	
72	0.22	0.21	1.00	1.00	0.55	0.30	0.55	0.30	0.55	0.30	0.18	0.18	0.18	0.18	
73	0.22	0.21	1.00	1.00	0.55	0.30	0.55	0.30	0.55	0.30	0.16	0.17	0.16	0.17	
74	0.22	0.21	1.00	1.00	0.55	0.30	0.55	0.30	0.55	0.30	0.16	0.17	0.16	0.17	
75	0.22	0.21	1.00	1.00	0.55	0.30	0.55	0.30	0.55	0.30	0.16	0.17	0.16	0.17	
76	0.22	0.21	1.00	1.00	0.55	0.30	0.55	0.30	0.55	0.30	0.16	0.17	0.16	0.17	
77	0.22	0.21	1.00	1.00	0.55	0.30	0.55	0.30	0.55	0.30	0.16	0.17	0.16	0.17	
78	0.22	0.21	1.00	1.00	0.55	0.30	0.55	0.30	0.55	0.30	0.16	0.17	0.16	0.17	
79	0.22	0.21	1.00	1.00	0.55	0.30	0.55	0.30	0.55	0.30	0.16	0.17	0.16	0.17	
80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

					Probab	ility of Ser	vice Re	etirement	(Hired before 5/1	/2013)		
				PERS			PS	ERS		LEOFF		WSPRS
	PI	an 1		Plans	2/3		PI	an 2	PI	an 1	Plan 2	Plans 1/2
			Service less than 30 years		than or	Service greater than or equal to 30 years			Service greater Service less than or equal to than 30 years 30 years			
Age	Male	Female	Male	Female	Male	Female	Male	Female	Male 8	Female	Male & Female	Male & Female
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50
46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33
47	0.46	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33
48	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33
49	0.50	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
50	0.45	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.12	0.03	0.27
51	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.12	0.04	0.24
52	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.12	0.05	0.24
53	0.40	0.30	0.00	0.00	0.00	0.00	0.02	0.02	0.07	0.12	0.10	0.24
54	0.40	0.40	0.00	0.00	0.00	0.00	0.02	0.02	0.10	0.16	0.10	0.24
55	0.17	0.28	0.02	0.02	0.12	0.12	0.02	0.02	0.10	0.20	0.10	0.20
56	0.17	0.16	0.03	0.02	0.12	0.12	0.05	0.04	0.10	0.20	0.10	0.20
57	0.17	0.16	0.04	0.02	0.12	0.12	0.08	0.06	0.13	0.20	0.10	0.20
58	0.17	0.16	0.05	0.02	0.12	0.12	0.11	0.08	0.13	0.20	0.15	0.20
59	0.20	0.30	0.06	0.04	0.16	0.24	0.14	0.10	0.13	0.20	0.15	0.33
60	0.16	0.16	0.07	0.06	0.12	0.12	0.30	0.34	0.23	0.25	0.15	0.33
61	0.23	0.21	0.08	0.13	0.20	0.20	0.26	0.26	0.23	0.25	0.19	0.33
62	0.30	0.26	0.24	0.20	0.28	0.28	0.30	0.34	0.23	0.25	0.23	0.33
63	0.22	0.20	0.22	0.18	0.26	0.26	0.50	0.52	0.23	0.25	0.20	0.33
64	0.28	0.28	0.56	0.56	0.56	0.56	0.70	0.70	0.23	0.25	0.20	0.33
65	0.34	0.36	0.40	0.40	0.40	0.40	0.50	0.35	0.23	0.25	0.25	1.00
66	0.30	0.22	0.24	0.24	0.24	0.24	0.30	0.35	0.23	0.25	0.25	1.00
67	0.26	0.22	0.24	0.24	0.24	0.24	0.30	0.35	0.23	0.25	0.25	1.00
68	0.22	0.22	0.24	0.24	0.24	0.24	0.30	0.35	0.23	0.25	0.25	1.00
69	0.22	0.22	0.24	0.24	0.24	0.24	0.30	0.35	0.23	0.25	0.25	1.00
70	0.22	0.22	0.24	0.24	0.24	0.24	1.00	1.00	1.00	1.00	1.00	1.00
71	0.22	0.22	0.24	0.24	0.24	0.24	1.00	1.00	1.00	1.00	1.00	1.00
72	0.22	0.22	0.24	0.24	0.24	0.24	1.00	1.00	1.00	1.00	1.00	1.00
73	0.22	0.22	0.24	0.24	0.24	0.24	1.00	1.00	1.00	1.00	1.00	1.00
74	0.22	0.22	0.24	0.24	0.24	0.24	1.00	1.00	1.00	1.00	1.00	1.00
75	0.22	0.22	0.24	0.24	0.24	0.24	1.00	1.00	1.00	1.00	1.00	1.00
76	0.22	0.22	0.24	0.24	0.24	0.24	1.00	1.00	1.00	1.00	1.00	1.00
77	0.22	0.22	0.24	0.24	0.24	0.24	1.00	1.00	1.00	1.00	1.00	1.00
78	0.22	0.22	0.24	0.24	0.24	0.24	1.00	1.00	1.00	1.00	1.00	1.00
79	0.22	0.22	0.24	0.24	0.24	0.24	1.00	1.00	1.00	1.00	1.00	1.00
80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

	Probal	oility of Se	ervice Re	tirement (H	lired on o	r after 5/1/2	2013)*		
		TI	RS		SE	RS	PE	RS	
			s 2/3			s 2/3	Plans 2/3		
					Service		Service greater		
	Service	egual to	Service	greater	than or				
		ears		0 years		ears	than or equal to 30 years		
Age			Male Female		Male	Female	Male	Female	
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55	0.16	0.14	0.09	0.09	0.08	0.09	0.09	0.09	
56	0.15	0.15	0.10	0.10	0.08	0.08	0.09	0.08	
57	0.14	0.16	0.11	0.11	0.09	0.08	0.09	0.08	
58	0.17	0.17	0.12	0.13	0.09	0.08	0.09	0.08	
59	0.21	0.18	0.14	0.15	0.11	0.16	0.12	0.15	
60	0.25	0.19	0.15	0.14	0.09	0.09	0.10	0.09	
61	0.33	0.29	0.20	0.19	0.18	0.17	0.15	0.17	
62	0.40	0.39	0.30	0.28	0.27	0.25	0.26	0.24	
63	0.35	0.35	0.27	0.26	0.25	0.23	0.24	0.22	
64	0.55	0.50	0.55	0.48	0.56	0.50	0.56	0.56	
65	0.48	0.40	0.48	0.40	0.39	0.36	0.40	0.40	
66	0.41	0.32	0.41	0.32	0.22	0.24	0.24	0.24	
67	0.34	0.24	0.34	0.24	0.22	0.23	0.24	0.24	
68	0.27	0.24	0.27	0.24	0.22	0.22	0.24	0.24	
69	0.27	0.42	0.27	0.42	0.22	0.21	0.24	0.24	
70	0.27	0.30	0.27	0.30	0.22	0.20	0.24	0.24	
71	0.41	0.30	0.41	0.30	0.20	0.19	0.24	0.24	
72	0.55	0.30	0.55	0.30	0.18	0.18	0.24	0.24	
73	0.55	0.30	0.55	0.30	0.16	0.17	0.24	0.24	
74	0.55	0.30	0.55	0.30	0.16	0.17	0.24	0.24	
75	0.55	0.30	0.55	0.30	0.16	0.17	0.24	0.24	
76	0.55	0.30	0.55	0.30	0.16	0.17	0.24	0.24	
77	0.55	0.30	0.55	0.30	0.16	0.17	0.24	0.24	
78	0.55	0.30	0.55	0.30	0.16	0.17	0.24	0.24	
79	0.55	0.30	0.55	0.30	0.16	0.17	0.24	0.24	
*We expect	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

*We expect no change in retirement behavior for less than 30 years of service.

Our mortality rates include an assumption for future mortality improvements. We took two steps to build our mortality assumptions.

First, we developed the base mortality table by starting with RP-2000, published by the Society of Actuaries, and applying age offsets for each system and plan. When age offsets are negative, it means we think people of a given age are generally healthier than others their age. In other words, we expect their mortality experience will be similar to younger people. Conversely, a positive age offset means we expect mortality experience for a given age to match that of a higher age in the general population. For instance, we expect a 50-year-old PERS male to have the same mortality rate as other 49-year-old males because we assume a negative one-year age offset.

Next, we applied mortality improvements to the RP-2000 mortality table using Scale BB. Beginning with the 2013 Actuarial Valuation Report, we use "generational" mortality instead of projecting to a given year. Under generational mortality, a member is assumed to receive additional mortality improvements in each future year, throughout their lifetime.

As an example of generational mortality, consider a healthy PERS Plan 1 male, age 50. To project the RP-2000 mortality rates to the valuation year (2013), we use the following equation.

RP-2000 rate x (1 -Scale BB) ^ 13

For a 50-year-old male, this is $0.001995 \times (1 -0.003)^{13} = 0.001919$.

The next tables show the age offsets we used as well as the mortality rates projected to the current valuation year for each plan. Please

note that this table is meant to be an example only. Under generational mortality, the mortality rate for each age will improve in each future year by the rates in the mortality improvement table.

Following these tables, the next table shows Scale BB, which was published by the Society of Actuaries. Please see the 2007-2012 Experience Study for more details regarding the development of these rates.

		Mortalit	y Projected	to 2013		
	PERS, SERS	, and PSERS	TF	RS	LEOFF an	d WSPRS
	Male	Female	Male	Female	Male	Female
Offsets						
Age	-1	-1	-3	-2	-1	1
20	0.000318	0.000183	0.000289	0.000181	0.000318	0.000185
21	0.000332	0.000184	0.000304	0.000183	0.000332	0.000187
22	0.000343	0.000185	0.000318	0.000184	0.000343	0.000189
23	0.000352	0.000187	0.000332	0.000185	0.000352	0.000193
24	0.000359	0.000189	0.000343	0.000187	0.000359	0.000199
25	0.000362	0.000193	0.000352	0.000189	0.000362	0.000206
26	0.000362	0.000199	0.000359	0.000193	0.000362	0.000214
27	0.000364	0.000206	0.000362	0.000199	0.000364	0.000226
28	0.000367	0.000214	0.000362	0.000206	0.000367	0.000239
29	0.000378	0.000226	0.000364	0.000214	0.000378	0.000254
30 31	0.000396 0.000427	0.000239 0.000254	0.000367 0.000378	0.000226 0.000239	0.000396 0.000427	0.000295 0.000337
32	0.000427	0.000254	0.000376	0.000259	0.000427	0.000337
33	0.000480	0.000293	0.000390	0.000254	0.000480	0.000379
34	0.000540	0.000337	0.000427	0.000293	0.000540	0.000418
35	0.000675	0.000373	0.000540	0.000337	0.000675	0.000494
36	0.00073	0.000410	0.000607	0.000373	0.00073	0.000533
37	0.000809	0.000494	0.000675	0.000457	0.000809	0.000575
38	0.000869	0.000533	0.000743	0.000494	0.000869	0.000623
39	0.000927	0.000575	0.000809	0.000533	0.000927	0.000679
40	0.000982	0.000623	0.000869	0.000575	0.000982	0.000744
41	0.001038	0.000679	0.000927	0.000623	0.001038	0.000819
42	0.001098	0.000744	0.000982	0.000679	0.001098	0.000901
43	0.001168	0.000819	0.001038	0.000744	0.001168	0.000990
44	0.001249	0.000901	0.001098	0.000819	0.001249	0.001081
45	0.001343	0.000990	0.001168	0.000901	0.001343	0.001176
46	0.001450	0.001081	0.001249	0.000990	0.001450	0.001275
47	0.001554	0.001176	0.001343	0.001081	0.001554	0.001379
48	0.001668	0.001275	0.001450	0.001176	0.001668	0.001491
49	0.001789	0.001379	0.001554	0.001275	0.001789	0.001612
50	0.001919	0.001491	0.001668	0.001379	0.001919	0.001781
51	0.002056	0.001612	0.001789	0.001491	0.002056	0.001941
52	0.002355	0.001781	0.001919	0.001612	0.002355	0.002122
53	0.002565	0.001941	0.002056	0.001781	0.002565	0.002331
54	0.002804	0.002095	0.002355	0.001916	0.002804	0.002579

		Mortalit	y Projected	to 2013		
	PERS, SERS	and DSEDS	(Continued)	RS	I EOEE an	d WSPRS
	Male	Female	Male	Female	Male	Female
Offsets	Maic	1 Ciliale	Maic	remaie	Maic	Tomaic
Age	-1	-1	-3	-2	-1	1
55	0.003074	0.002271	0.002565	0.002068	0.003074	0.002895
56	0.003485	0.002513	0.002804	0.002242	0.003485	0.003216
57	0.003987	0.002820	0.003034	0.002480	0.003987	0.003581
58	0.004397	0.003133	0.003395	0.002784	0.004397	0.004001
59	0.004876	0.003488	0.003884	0.003092	0.004876	0.004494
60	0.005426	0.003897	0.004283	0.003443	0.005426	0.005102
61	0.006078	0.004378	0.004750	0.003846	0.006078	0.005765
62	0.006825	0.004970	0.005286	0.004321	0.006825	0.006537
63	0.007684	0.005690	0.005921	0.004970	0.007684	0.007367
64	0.008671	0.006537	0.006648	0.005690	0.008671	0.008296
65	0.009642	0.007367	0.007485	0.006537	0.009642	0.009363
66	0.010745	0.008296	0.008446	0.007367	0.010745	0.010396
67	0.011996	0.009363	0.009391	0.008296	0.011996	0.011492
68	0.013208	0.010396	0.010465	0.009363	0.013208	0.012702
69	0.014683	0.011492	0.011839	0.010396	0.014683	0.014310
70	0.016270	0.012702	0.013208	0.011492	0.016270	0.015880
71	0.018245	0.014310	0.014683	0.012702	0.018245	0.017663
72	0.020187	0.015880	0.016270	0.014310	0.020187	0.019634
73	0.022415	0.017663	0.018245	0.015880	0.022415	0.021760
74	0.024967	0.019634	0.020187	0.017663	0.024967	0.024024
75	0.027853	0.021760	0.022415	0.019634	0.027853	0.026468
76	0.031085	0.024024	0.024967	0.021760	0.031085	0.029151
77	0.034647	0.026468	0.027853	0.024024	0.034647	0.032134
78	0.038539	0.029151	0.031085	0.026468	0.038539	0.035477
79 80	0.042825 0.047594	0.032134 0.035477	0.034647 0.038539	0.029151 0.032134	0.042825 0.047594	0.039215 0.043404
81	0.047594	0.039215	0.036339	0.032134	0.047594	0.043404
82	0.052880	0.039213	0.042625	0.039215	0.052880	0.048117
83	0.066129	0.043404	0.052886	0.039213	0.066129	0.059420
84	0.000129	0.040117	0.052000	0.043404	0.000129	0.066197
85	0.073714	0.059420	0.066129	0.053427	0.073714	0.000197
86	0.001900	0.066197	0.073714	0.059420	0.091000	0.082344
87	0.102232	0.073830	0.083069	0.066197	0.102232	0.091717
88	0.114762	0.082344	0.093432	0.073830	0.114762	0.101847
89	0.128717	0.091717	0.104961	0.082344	0.128717	0.112555
,	0.120111	0.001717	3.104001	3.00 <u>2</u> 0 11	3.120717	1.112000

Improvements in mortality are projected to the valuation year specified based on 100% of Scale BB.

	Mortality Projected to 2013								
			(Continued)						
	PERS, SERS		TF		LEOFF an				
	Male	Female	Male	Female	Male	Female			
Offsets									
Age	-1	-1	-3	-2	-1	1			
90	0.144131	0.103195	0.117822	0.092932	0.144131	0.125237			
91	0.160944	0.115554	0.132146	0.104560	0.160944	0.138313			
92	0.177617	0.128569	0.147966	0.117080	0.177617	0.151534			
93	0.195128	0.141990	0.165223	0.130266	0.195128	0.164674			
94	0.213269	0.155559	0.182334	0.143862	0.213269	0.177533			
95	0.231828	0.169043	0.200305	0.157607	0.231828	0.189924			
96	0.250616	0.182238	0.218921	0.171267	0.250616	0.201662			
97	0.269491	0.194952	0.237965	0.184634	0.269491	0.212577			
98	0.284628	0.204312	0.253910	0.194952	0.284628	0.219639			
99 100	0.303218 0.317558	0.215369 0.222524	0.273030 0.288366	0.206995 0.215369	0.303218 0.317558	0.228371 0.235455			
101	0.317556	0.222524	0.200300	0.215369	0.317556	0.235455			
102	0.335704	0.231300	0.307190	0.223443	0.335704	0.247900			
102	0.366882	0.250344	0.321724	0.231300	0.366882	0.239209			
104	0.378090	0.262606	0.353994	0.251209	0.378090	0.289328			
105	0.392003	0.279055	0.371685	0.266044	0.392003	0.307811			
106	0.397886	0.293116	0.383040	0.279055	0.397886	0.322725			
107	0.400000	0.307811	0.392003	0.293116	0.400000	0.337441			
108	0.400000	0.322725	0.397886	0.307811	0.400000	0.351544			
109	0.400000	0.337441	0.400000	0.322725	0.400000	0.364617			
110	0.400000	0.351544	0.400000	0.337441	0.400000	0.376246			
111	0.400000	0.364617	0.400000	0.351544	0.400000	0.386015			
112	0.400000	0.376246	0.400000	0.364617	0.400000	0.393507			
113	0.400000	0.386015	0.400000	0.376246	0.400000	0.398308			
114	0.400000	0.393507	0.400000	0.386015	0.400000	0.400000			
115	0.400000	0.398308	0.400000	0.393507	0.400000	0.400000			
116	0.400000	0.400000	0.400000	0.398308	0.400000	0.400000			
117	0.400000	0.400000	0.400000	0.400000	0.400000	0.400000			
118	0.400000	0.400000	0.400000	0.400000	0.400000	0.400000			
119	0.400000	0.400000	0.400000	0.400000	0.400000	1.000000			
120	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000			

	100% Scale BB Mortality Improvement								
Age	Male	Female	Age	Male	Female	Age	Male	Female	
20	0.0030	0.0030	50	0.0030	0.0030	80	0.0150	0.0120	
21	0.0030	0.0030	51	0.0030	0.0030	81	0.0150	0.0120	
22	0.0030	0.0030	52	0.0030	0.0030	82	0.0150	0.0120	
23	0.0030	0.0030	53	0.0030	0.0030	83	0.0150	0.0120	
24	0.0030	0.0030	54	0.0030	0.0040	84	0.0150	0.0120	
25	0.0030	0.0030	55	0.0030	0.0050	85	0.0150	0.0120	
26	0.0030	0.0030	56	0.0030	0.0060	86	0.0150	0.0120	
27	0.0030	0.0030	57	0.0040	0.0070	87	0.0140	0.0120	
28	0.0030	0.0030	58	0.0050	0.0080	88	0.0130	0.0120	
29	0.0030	0.0030	59	0.0060	0.0090	89	0.0120	0.0120	
30	0.0030	0.0030	60	0.0070	0.0100	90	0.0110	0.0110	
31	0.0030	0.0030	61	0.0080	0.0110	91	0.0100	0.0100	
32	0.0030	0.0030	62	0.0090	0.0120	92	0.0090	0.0090	
33	0.0030	0.0030	63	0.0100	0.0120	93	0.0080	0.0080	
34	0.0030	0.0030	64	0.0110	0.0120	94	0.0070	0.0070	
35	0.0030	0.0030	65	0.0120	0.0120	95	0.0060	0.0060	
36	0.0030	0.0030	66	0.0130	0.0120	96	0.0050	0.0050	
37	0.0030	0.0030	67	0.0140	0.0120	97	0.0040	0.0040	
38	0.0030	0.0030	68	0.0150	0.0120	98	0.0040	0.0040	
39	0.0030	0.0030	69	0.0150	0.0120	99	0.0030	0.0030	
40	0.0030	0.0030	70	0.0150	0.0120	100	0.0030	0.0030	
41	0.0030	0.0030	71	0.0150	0.0120	101	0.0020	0.0020	
42	0.0030	0.0030	72	0.0150	0.0120	102	0.0020	0.0020	
43	0.0030	0.0030	73	0.0150	0.0120	103	0.0010	0.0010	
44	0.0030	0.0030	74	0.0150	0.0120	104	0.0010	0.0010	
45	0.0030	0.0030	75	0.0150	0.0120	105	0.0000	0.0000	
46	0.0030	0.0030	76	0.0150	0.0120	106	0.0000	0.0000	
47	0.0030	0.0030	77	0.0150	0.0120	107	0.0000	0.0000	
48	0.0030	0.0030	78	0.0150	0.0120	108	0.0000	0.0000	
49	0.0030	0.0030	79	0.0150	0.0120	109	0.0000	0.0000	
						110	0.0000	0.0000	

4: Appendices

Disabled Mortality Projected to 2013									
	All Systems Ex	xcept LEOFF 1	LEO	FF 1*					
	Male	Female	Male	Female					
Offsets									
Age	0	0	2	2					
20	0.021706	0.007165	0.000352	0.000187					
21	0.021706	0.007165	0.000359	0.000189					
22	0.021706	0.007165	0.000362	0.000193					
23	0.021706	0.007165	0.000362	0.000199					
24	0.021706	0.007165	0.000364	0.000206					
25	0.021706	0.007165	0.000367	0.000214					
26	0.021706	0.007165	0.000378	0.000226					
27 28	0.021706	0.007165	0.000396	0.000239					
	0.021706	0.007165	0.000427	0.000254					
29 30	0.021706	0.007165	0.000480	0.000295					
	0.021706	0.007165	0.000540	0.000337					
31 32	0.021706 0.021706	0.007165	0.000607 0.000675	0.000379 0.000418					
33	0.021706	0.007165	0.000675	0.000418					
34	0.021706	0.007165 0.007165	0.000743	0.000457					
35	0.021706	0.007165	0.000869	0.000494					
36	0.021706	0.007165	0.000809	0.000535					
37	0.021706	0.007165	0.000927	0.000575					
38	0.021706	0.007165	0.000902	0.000679					
39	0.021706	0.007165	0.001038	0.000079					
40	0.021706	0.007165	0.001098	0.000744					
41	0.021706	0.007165	0.001100	0.000019					
42	0.021706	0.007165	0.001243	0.000990					
43	0.021706	0.007165	0.001343	0.000330					
44	0.021706	0.007165	0.001450	0.001176					
45	0.021706	0.007165	0.001668	0.001176					
46	0.022934	0.007871	0.001789	0.001379					
47	0.024162	0.008616	0.001919	0.001491					
48	0.025393	0.009401	0.002056	0.001612					
49	0.026626	0.010227	0.002355	0.001781					
50	0.027865	0.011093	0.002565	0.001941					
51	0.029109	0.011999	0.002804	0.002122					
52	0.030354	0.012941	0.003074	0.002331					
53	0.031600	0.013911	0.003485	0.002613					
54	0.032844	0.014710	0.004039	0.002933					
	ments in mortali		to the valuati						

^{*}LEOFF 1 uses RP-2000 Healthy mortality table as its base.

	Disabled Mortality Projected to 2013										
	(Continued)										
	All Systems Ex	xcept LEOFF 1	LEO	FF 1*							
	Male	Female	Male	Female							
Offsets											
Age	0	0	2	2							
55	0.034084	0.015500	0.004513	0.003259							
56	0.035325	0.016274	0.005071	0.003628							
57	0.036095	0.017026	0.005643	0.004053							
58	0.036853	0.017756	0.006321	0.004554							
59	0.037608	0.018465	0.007098	0.005169							
60	0.038373	0.019164	0.007993	0.005842							
61	0.039163	0.019864	0.009019	0.006624							
62	0.039993	0.020582	0.010029	0.007367							
63	0.040878	0.021619	0.011177	0.008296							
64	0.041837	0.022736	0.012479	0.009363							
65	0.042886	0.023955	0.013740	0.010396							
66	0.044046	0.025296	0.015076	0.011492							
67	0.045331	0.026775	0.016486	0.012702							
68	0.046758	0.028407	0.018245	0.014310							
69	0.048979	0.030203	0.020187	0.015880							
70	0.051419	0.032169	0.022415	0.017663							
71	0.054096	0.034310	0.024967	0.019634							
72	0.057025	0.036627	0.027853	0.021760							
73	0.060218	0.039121	0.031085	0.024024							
74	0.063685	0.041793	0.034647	0.026468							
75	0.067428	0.044644	0.038539	0.029151							
76	0.071441	0.047676	0.042825	0.032134							
77	0.075711	0.050896	0.047594	0.035477							
78	0.080223	0.054315	0.052886	0.039215							
79	0.084949	0.057946	0.059190	0.043404							
80	0.089862	0.061809	0.066129	0.048117							
81	0.094933	0.065931	0.073714	0.053427							
82	0.100137	0.070344	0.081980	0.059420							
83	0.105449	0.075080	0.091000	0.066197							
84	0.110855	0.080171	0.100892	0.073830							
85	0.116344	0.085649	0.111776	0.082344							
86	0.121907	0.091543	0.123728	0.091717							
87	0.129238	0.097879	0.138550	0.101847							
88	0.136816	0.104676	0.154718	0.112555							
89	0.144652	0.111949	0.170753	0.123601							

Improvements in mortality are projected to the valuation year specified based on 100% of Scale BB.

Disabled Mortality Projected to 2013											
	(Continued)										
	All Systems Ex	xcept LEOFF 1	LEO	FF 1*							
	Male	Female	Male	Female							
Offsets											
Age	0	0	2	2							
90	0.158844	0.121292	0.187595	0.136508							
91	0.175301	0.131363	0.205043	0.149559							
92	0.192587	0.142191	0.222895	0.162529							
93	0.210494	0.153534	0.240969	0.175223							
94	0.228814	0.166845	0.259127	0.187455							
95	0.247362	0.179872	0.277287	0.199043							
96	0.265995	0.192423	0.295405	0.209819							
97	0.284628	0.204312	0.313442	0.219639							
98	0.299288	0.212577	0.327063	0.225411							
99	0.317558	0.222524	0.344891	0.235455							
100	0.331358	0.228371	0.357447	0.244749							
101	0.349415	0.238544	0.373200	0.259209							
102	0.362136	0.247960	0.381932	0.271886							
103	0.378090	0.262606	0.392744	0.289328							
104	0.386937	0.275449	0.394831	0.303833							
105	0.397886	0.293116	0.400000	0.322725							
106	0.400000	0.307811	0.400000	0.337441							
107	0.400000	0.322725	0.400000	0.351544							
108	0.400000	0.337441	0.400000	0.364617							
109	0.400000	0.351544	0.400000	0.376246							
110	0.400000	0.364617	0.400000	0.386015							
111	0.400000	0.376246	0.400000	0.393507							
112	0.400000	0.386015	0.400000	0.398308							
113	0.400000	0.393507	0.400000	0.400000							
114	0.400000	0.398308	0.400000	0.400000							
115	0.400000	0.400000	0.400000	0.400000							
116	0.400000	0.400000	0.400000	0.400000							
117	0.400000	0.400000	0.400000	0.400000							
118	0.400000	0.400000	1.000000	1.000000							
119	0.400000	0.400000	1.000000	1.000000							
120	1.000000	1.000000	1.000000	1.000000							

^{*}LEOFF 1 uses RP-2000 Healthy mortality table as its base.

^{*}LEOFF 1 uses RP-2000 Healthy mortality table as its base.

Probability of Disablement									
		PE	RS*		TRS				
	Plan 1		Plar	n 2/3	Plan 1 Pl		Plar	an 2/3	
Age	Male	Female	Male	Female	Male	Female	Male	Female	
20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
24	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0000	0.0000	
25	0.0000	0.0000	0.0001	0.0000	0.0001	0.0001	0.0000	0.0000	
26	0.0000	0.0000	0.0001	0.0000	0.0001	0.0001	0.0000	0.0000	
27	0.0000	0.0000	0.0001	0.0000	0.0001	0.0001	0.0000	0.0000	
28	0.0000	0.0000	0.0001	0.0000	0.0001	0.0001	0.0000	0.0000	
29	0.0000	0.0000	0.0001	0.0000	0.0002	0.0002	0.0000	0.0000	
30	0.0000	0.0000	0.0001	0.0001	0.0002	0.0002	0.0000	0.0000	
31	0.0000	0.0000	0.0001	0.0001	0.0002	0.0002	0.0001	0.0000	
32	0.0000	0.0000	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001	
33	0.0000	0.0000	0.0001	0.0001	0.0003	0.0003	0.0001	0.0001	
34	0.0000	0.0000	0.0001	0.0002	0.0003	0.0003	0.0001	0.0001	
35	0.0003	0.0003	0.0002	0.0002	0.0003	0.0003	0.0001	0.0001	
36	0.0004	0.0004	0.0002	0.0002	0.0003	0.0003	0.0001	0.0001	
37	0.0004	0.0004	0.0002	0.0003	0.0004	0.0004	0.0001	0.0001	
38	0.0005	0.0005	0.0002	0.0003	0.0004	0.0004	0.0001	0.0001	
39	0.0006	0.0006	0.0002	0.0003	0.0004	0.0004	0.0001	0.0001	
40	0.0008	0.0007	0.0002	0.0003	0.0004	0.0004	0.0001	0.0001	
41	0.0009	0.0008	0.0003	0.0003	0.0005	0.0005	0.0001	0.0001	
42	0.0010	0.0013	0.0003	0.0003	0.0006	0.0006	0.0002	0.0001	
43	0.0011	0.0013	0.0003	0.0003	0.0007	0.0007	0.0002	0.0001	
44 45	0.0013	0.0014	0.0004	0.0004	0.0008	0.0008	0.0002	0.0002	
45	0.0015	0.0014	0.0005	0.0005	0.0009	0.0010	0.0002	0.0002	
46 47	0.0016 0.0018	0.0015	0.0005 0.0006	0.0005 0.0006	0.0011 0.0012	0.0011	0.0003	0.0002 0.0003	
48	0.0018	0.0013	0.0007	0.0007	0.0012	0.0012	0.0003	0.0003	
40 49	0.0021	0.0020	0.0007	0.0007	0.0015	0.0015	0.0003	0.0003	

Rates have been rounded for display purposes.

Probability of Disablement									
(Continued)									
	PERS*				TRS				
	Plan 1		Plar	1 2/3	Pla	n 1	Plan 2/3		
Age	Male	Female	Male	Female	Male	Female	Male	Female	
50	0.0025	0.0030	0.0009	0.0010	0.0016	0.0017	0.0004	0.0003	
51	0.0028	0.0035	0.0010	0.0011	0.0019	0.0019	0.0005	0.0004	
52	0.0030	0.0040	0.0011	0.0013	0.0022	0.0022	0.0006	0.0005	
53	0.0048	0.0048	0.0016	0.0018	0.0025	0.0025	0.0006	0.0005	
54	0.0065	0.0056	0.0021	0.0023	0.0029	0.0029	0.0008	0.0006	
55	0.0082	0.0064	0.0026	0.0028	0.0033	0.0034	0.0011	0.0008	
56	0.0100	0.0072	0.0034	0.0033	0.0036	0.0036	0.0013	0.0009	
57	0.0117	0.0080	0.0042	0.0038	0.0038	0.0039	0.0015	0.0011	
58	0.0117	0.0080	0.0052	0.0051	0.0041	0.0042	0.0018	0.0013	
59	0.0096	0.0054	0.0064	0.0064	0.0044	0.0044	0.0021	0.0016	
60	0.0075	0.0035	0.0079	0.0077	0.0047	0.0048	0.0025	0.0019	
61	0.0059	0.0022	0.0097	0.0090	0.0052	0.0053	0.0029	0.0023	
62	0.0046	0.0014	0.0120	0.0103	0.0058	0.0059	0.0034	0.0027	
63	0.0036	0.0009	0.0102	0.0092	0.0065	0.0066	0.0041	0.0032	
64	0.0028	0.0006	0.0083	0.0069	0.0072	0.0073	0.0048	0.0039	
65	0.0022	0.0004	0.0061	0.0053	0.0056	0.0057	0.0024	0.0016	
66	0.0017	0.0002	0.0045	0.0040	0.0043	0.0043	0.0016	0.0011	
67	0.0013	0.0002	0.0034	0.0030	0.0033	0.0033	0.0011	8000.0	
68	0.0011	0.0001	0.0025	0.0023	0.0025	0.0025	0.0007	0.0006	
69	0.0008	0.0001	0.0018	0.0017	0.0019	0.0019	0.0005	0.0004	
70 71	0.0006	0.0000	0.0014	0.0013	0.0015	0.0015	0.0003	0.0003	
72	0.0003	0.0000	0.0010	0.0010	0.00011	0.00011	0.0002	0.0002	
73	0.0004	0.0000	0.0007	0.0008	0.0009	0.0009	0.0002	0.0001	
74	0.0003	0.0000	0.0003	0.0004	0.0007	0.0007	0.0001	0.0001	
75	0.0002	0.0000	0.0004	0.0004	0.0003	0.0003	0.0000	0.0001	
76	0.0001	0.0000	0.0002	0.0002	0.0003	0.0003	0.0000	0.0000	
77	0.0001	0.0000	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	
78	0.0001	0.0000	0.0001	0.0001	0.0002	0.0002	0.0000	0.0000	
79	0.0001	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	
80	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

^{*10%} of all PERS Plan 1 disabilities are assumed to be duty related.

Rates have been rounded for display purposes.
*10% of all PERS Plan 1 disabilities are assumed to be duty related.

Probability of Disablement									
	SE	RS		PSE	ERS		LEC)FF*	WSPRS*
		n 2/3			n 2		Plan 1	Plan 2	1/2
					Service	greater			
			Servic	e less	than or	equal to			
			than 10	0 years		ears			
Age	Male	Female	Male	Female	Male	Female	Both	Both	Both
20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0001	0.0001
21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0001	0.0001
22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0001	0.0001
23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0001	0.0001
24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0002	0.0001
25	0.0000	0.0000	0.0001	0.0000	0.0001	0.0000	0.0010	0.0002	0.0001
26	0.0000	0.0000	0.0001	0.0000	0.0001	0.0000	0.0024	0.0002	0.0001
27	0.0000	0.0000	0.0001	0.0000	0.0001	0.0000	0.0038	0.0003	0.0001
28	0.0000	0.0000	0.0001	0.0000	0.0001	0.0000	0.0052	0.0003	0.0001
29	0.0000	0.0000	0.0001	0.0000	0.0001	0.0000	0.0066	0.0004	0.0002
30	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0080	0.0005	0.0002
31	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0094	0.0005	0.0002
32	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0107	0.0006	0.0002
33	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0121	0.0006	0.0002
34	0.0001	0.0001	0.0001	0.0002	0.0001	0.0002	0.0135	0.0007	0.0003
35	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0149	0.0008	0.0003
36	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0163	0.0009	0.0003
37	0.0001	0.0002	0.0002	0.0003	0.0002	0.0003	0.0190	0.0011	0.0004
38	0.0002	0.0002	0.0002	0.0003	0.0002	0.0003	0.0205	0.0012	0.0004
39	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0220	0.0013	0.0005
40	0.0003	0.0002	0.0002	0.0003	0.0003	0.0003	0.0235	0.0014	0.0006
41	0.0003	0.0001	0.0003	0.0003	0.0003	0.0004	0.0249	0.0014	0.0006
42	0.0003	0.0001	0.0003	0.0003	0.0004	0.0004	0.0264	0.0015	0.0007
43	0.0004	0.0001	0.0003	0.0003	0.0004	0.0004	0.0279	0.0016	0.0008
44	0.0005	0.0002	0.0004	0.0004	0.0005	0.0005	0.0360	0.0017	0.0009
45	0.0005	0.0002	0.0005	0.0005	0.0006	0.0006	0.0400	0.0018	0.0010
46	0.0006	0.0003	0.0005	0.0005	0.0007	0.0007	0.0468	0.0020	0.0011
47	0.0007	0.0003	0.0006	0.0006	0.0008	0.0008	0.0532	0.0023	0.0013
48	0.0009	0.0004	0.0007	0.0007	0.0009	0.0009	0.0592	0.0026	0.0014
49	0.0010	0.0005	0.0008	0.0009	0.0010	0.0011	0.0648	0.0029	0.0016

*LEOFF and WSPRS disability retirements are assumed to continue after service retirement eligibility, except for LEOFF 1 members with more than 30 years of service.

	Probability of Disablement									
					inued)					
		RS		PSE	ERS		LEC)FF*	WSPRS*	
	Plar	n 2/3		Pla	n 2		Plan 1	Plan 2	1/2	
						greater				
				e less		equal to				
) years		ears				
Age	Male	Female	Male	Female	Male	Female	Both	Both	Both	
50	0.0012	0.0006	0.0009	0.0010	0.0012	0.0013	0.0700	0.0032	0.0018	
51	0.0014	0.0008	0.0010	0.0011	0.0013	0.0015	0.0748	0.0036	0.0020	
52	0.0017	0.0009	0.0011	0.0013	0.0015	0.0016	0.0792	0.0040	0.0023	
53	0.0020	0.0011	0.0016	0.0018	0.0021	0.0023	0.0832	0.0045	0.0026	
54	0.0024	0.0014	0.0021	0.0023	0.0028	0.0029	0.0868	0.0050	0.0029	
55	0.0028	0.0017	0.0026	0.0028	0.0034	0.0036	0.0900	0.0055	0.0032	
56	0.0033	0.0021	0.0034	0.0033	0.0044	0.0043	0.0928	0.0062	0.0023	
57	0.0039	0.0027	0.0042	0.0038	0.0055	0.0049	0.0952	0.0069	0.0016	
58	0.0046	0.0033	0.0052	0.0051	0.0068	0.0067	0.0972	0.0076	0.0011	
59 60	0.0054 0.0064	0.0040 0.0050	0.0064 0.0079	0.0064 0.0077	0.0084	0.0084 0.0000	0.0988	0.0085 0.0095	0.0008 0.0006	
61	0.0064	0.0050	0.0079	0.0077	0.0000	0.0000	0.1000	0.0095	0.0004	
62	0.0070	0.0067	0.0037	0.0090	0.0000	0.0000	0.1000	0.0103	0.0004	
63	0.0003	0.0057	0.0120	0.0103	0.0000	0.0000	0.1012	0.0117	0.0003	
64	0.0081	0.0037	0.0083	0.0069	0.0000	0.0000	0.1008	0.0145	0.0002	
65	0.0059	0.0041	0.0061	0.0053	0.0000	0.0000	0.1000	0.0162	0.0000	
66	0.0044	0.0035	0.0045	0.0040	0.0000	0.0000	0.0756	0.0026	0.0000	
67	0.0032	0.0030	0.0034	0.0030	0.0000	0.0000	0.0544	0.0004	0.0000	
68	0.0024	0.0025	0.0025	0.0023	0.0000	0.0000	0.0364	0.0001	0.0000	
69	0.0017	0.0021	0.0018	0.0017	0.0000	0.0000	0.0216	0.0000	0.0000	
70	0.0013	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
71	0.0009	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
72	0.0007	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
73	0.0005	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
74	0.0004	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
75	0.0003	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
76	0.0002	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
77	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
78	0.0001	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
79	0.0001	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
80	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

Rates have been rounded for display purposes.

*LEOFF and WSPRS disability retirements are assumed to continue after service retirement eligibility, except for LEOFF 1 members with more than 30 years of service.

				Proba	bility of Terr	nination				
	PE	RS	TI	RS	SE	RS	PS	ERS	LEOFF	WSPRS
Service									Male &	Male &
Years	Male	Female	Male	Female	Male	Female	Male	Female	Female	Female
0	0.2624	0.2624	0.1110	0.1113	0.2448	0.1990	0.2624	0.2624	0.1070	0.0423
1	0.1545	0.1677	0.0903	0.0946	0.1588	0.1313	0.1545	0.1677	0.0481	0.0200
2	0.1007	0.1170	0.0598	0.0717	0.1169	0.1029	0.1007	0.1170	0.0245	0.0200
3	0.0752	0.0929	0.0451	0.0613	0.0995	0.0786	0.0752	0.0929	0.0194	0.0200
4	0.0631	0.0760	0.0414	0.0531	0.0811	0.0676	0.0631	0.0760	0.0187	0.0200
5	0.0544	0.0665	0.0368	0.0471	0.0664	0.0624	0.0544	0.0665	0.0181	0.0200
6	0.0449	0.0579	0.0295	0.0409	0.0608	0.0556	0.0449	0.0579	0.0174	0.0190
7	0.0418	0.0533	0.0272	0.0367	0.0556	0.0526	0.0418	0.0533	0.0168	0.0170
8	0.0389	0.0491	0.0251	0.0330	0.0509	0.0497	0.0389	0.0491	0.0161	0.0160
9	0.0362	0.0452	0.0231	0.0296	0.0465	0.0475	0.0362	0.0452	0.0155	0.0151
10	0.0337	0.0417	0.0213	0.0266	0.0426	0.0457	0.0337	0.0417	0.0148	0.0134
11	0.0314	0.0384	0.0197	0.0239	0.0389	0.0448	0.0314	0.0384	0.0142	0.0120
12	0.0292	0.0354	0.0182	0.0214	0.0356	0.0442	0.0292	0.0354	0.0135	0.0108
13	0.0272	0.0326	0.0167	0.0193	0.0326	0.0440	0.0272	0.0326	0.0129	0.0097
14	0.0253	0.0300	0.0154	0.0173	0.0298	0.0426	0.0253	0.0300	0.0122	0.0087
15	0.0236	0.0277	0.0142	0.0160	0.0273	0.0427	0.0236	0.0277	0.0116	0.0078
16	0.0220	0.0255	0.0131	0.0155	0.0250	0.0392	0.0220	0.0255	0.0109	0.0070
17	0.0204	0.0235	0.0121	0.0150	0.0245	0.0364	0.0204	0.0235	0.0103	0.0063
18	0.0190	0.0216	0.0115	0.0145	0.0240	0.0346	0.0190	0.0216	0.0096	0.0056
19	0.0177	0.0199	0.0113	0.0140	0.0235	0.0322	0.0177	0.0199	0.0090	0.0050
20	0.0153	0.0180	0.0100	0.0130	0.0230	0.0300	0.0153	0.0180	0.0083	0.0044
21	0.0132	0.0158	0.0095	0.0126	0.0225	0.0280	0.0132	0.0158	0.0077	0.0038
22	0.0115	0.0139	0.0093	0.0118	0.0220	0.0270	0.0115	0.0139	0.0070	0.0033
23	0.0099	0.0122	0.0090	0.0111	0.0209	0.0260	0.0099	0.0122	0.0064	0.0028
24	0.0086	0.0107	0.0088	0.0104	0.0182	0.0248	0.0086	0.0107	0.0057	0.0023
25	0.0074	0.0094	0.0082	0.0098	0.0159	0.0225	0.0074	0.0094	0.0051	0.0000
26	0.0064	0.0083	0.0077	0.0092	0.0138	0.0205	0.0064	0.0083	0.0044	0.0000
27	0.0055	0.0072	0.0071	0.0086	0.0121	0.0187	0.0055	0.0072	0.0038	0.0000
28	0.0048	0.0064	0.0067	0.0081	0.0105	0.0170	0.0048	0.0064	0.0031	0.0000
29	0.0042	0.0056	0.0062	0.0076	0.0092	0.0155	0.0042	0.0056	0.0025	0.0000
30+	0.0036	0.0049	0.0058	0.0072	0.0080	0.0141	0.0036	0.0049	0.0018	0.0000

	Probability of Vesting upon Termination*										
			(1	for those not e	ligible to retire	e early)					
	PE	RS	TI	RS	SERS	PSERS	LEG	OFF	WSPRS		
	Plan 1	Plan 2	Plan 1	Plan 2	Plan 2	Plan 2	Plan 1	Plan 2			
Service	Male &	Male &	Male &	Male &	Male &	Male &	Male &	Male &	Male &		
Years	Female	Female	Female	Female	Female	Female	Female	Female	Female		
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
5	0.500	0.550	0.725	0.700	0.650	0.550	1.000	0.325	0.475		
6	0.500	0.550	0.775	0.700	0.675	0.550	1.000	0.350	0.475		
7	0.550	0.550	0.800	0.700	0.675	0.550	1.000	0.350	0.475		
8	0.550	0.550	0.800	0.750	0.675	0.550	1.000	0.350	0.475		
9	0.600	0.575	0.800	0.750	0.700	0.575	1.000	0.375	0.475		
10	0.600	0.575	0.800	0.750	0.700	0.575	1.000	0.375	0.475		
11	0.600	0.600	0.825	0.775	0.700	0.600	1.000	0.400	0.475		
12	0.600	0.625	0.825	0.800	0.700	0.625	1.000	0.400	0.500		
13	0.600	0.625	0.875	0.800	0.700	0.625	1.000	0.400	0.500		
14	0.650	0.625	0.875	0.850	0.750	0.625	1.000	0.400	0.500		
15	0.650	0.650	0.875	0.850	0.750	0.650	1.000	0.400	0.500		
16	0.650	0.650	0.875	0.850	0.775	0.650	1.000	0.450	0.500		
17	0.650	0.675	0.875	0.850	0.775	0.675	1.000	0.450	0.500		
18	0.675	0.675	0.875	0.900	0.775	0.675	1.000	0.500	0.550		
19	0.675	0.675	0.875	0.900	0.775	0.675	1.000	0.550	0.600		
20	0.675	0.750	0.900	0.950	0.800	0.788	1.000	0.600	0.750		
21	0.675	0.750	0.900	0.950	0.825	0.788	1.000	0.600	0.800		
22	0.675	0.750	0.900	0.950	0.850	0.788	1.000	0.650	0.900		
23	0.675	0.800	0.925	0.950	0.850	0.840	1.000	0.800	1.000		
24	0.675	0.800	0.925	0.950	0.850	0.840	1.000	0.850	1.000		
25	0.700	0.800	0.925	0.950	0.850	0.840	1.000	0.900	1.000		
26	0.750	0.800	0.950	0.950	0.850	0.840	1.000	0.900	1.000		
27	0.750	0.850	1.000	0.975	0.900	0.893	1.000	0.900	1.000		
28	0.850	0.850	1.000	0.975	0.900	0.893	1.000	0.950	1.000		
29	0.900	0.900	1.000	0.975	0.900	0.945	1.000	0.950	1.000		
30+	0.950	0.950	1.000	1.000	0.950	0.950	1.000	0.950	1.000		

*Denotes ratio of members who do not withdraw their savings when they leave employment.

				F	Ratio of Su	rvivors Sele	cting Annu	iities*				
	PE	RS 1	PEI	RS 2	PE	RS 3	TR	RS 1	TR	RS 2	TR	S 3
Age	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.02
27	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.08
28	0.00	0.00	0.00	0.00	0.01	0.15	0.00	0.00	0.00	0.00	0.03	0.13
29	0.00	0.00	0.00	0.00	0.03	0.16	0.00	0.00	0.00	0.00	0.08	0.17
30	0.00	0.00	0.00	0.00	0.05	0.16	0.00	0.00	0.00	0.00	0.12	0.20
31	0.00	0.00	0.00	0.00	0.07	0.16	0.00	0.00	0.00	0.00	0.15	0.23
32	0.00	0.00	0.00	0.00	0.09	0.17	0.00	0.00	0.00	0.00	0.18	0.25
33	0.00	0.00	0.00	0.00	0.11	0.17	0.00	0.00	0.00	0.00	0.21	0.27
34	0.00	0.00	0.00	0.00	0.13	0.17	0.00	0.00	0.00	0.00	0.23	0.29
35	0.00	0.00	0.00	0.00	0.15	0.18	0.00	0.00	0.00	0.00	0.25	0.31
36	0.00	0.00	0.00	0.00	0.17	0.18	0.00	0.00	0.00	0.00	0.27	0.32
37	0.00	0.00	0.00	0.00	0.19	0.18	0.00	0.00	0.00	0.00	0.29	0.34
38	0.00	0.00	0.00	0.00	0.21	0.19	0.00	0.00	0.00	0.00	0.30	0.35
39	0.00	0.00	0.00	0.00	0.23	0.19	0.00	0.00	0.00	0.00	0.32	0.36
40	0.26	0.00	0.02	0.00	0.25	0.20	0.28	0.03	0.00	0.00	0.33	0.37
41	0.34	0.06	0.05	0.01	0.27	0.20	0.37	0.14	0.00	0.00	0.35	0.38
42	0.39	0.14	0.07	0.02	0.29	0.20	0.43	0.21	0.00	0.00	0.36	0.39
43	0.43	0.19	0.10	0.04	0.31	0.21	0.46	0.25	0.00	0.00	0.37	0.40
44	0.46	0.23	0.12	0.05	0.33	0.21	0.49	0.29	0.00	0.00	0.38	0.41
45	0.48	0.26	0.15	0.06	0.35	0.21	0.51	0.32	0.00	0.00	0.39	0.42
46	0.50	0.29	0.17	0.08	0.37	0.22	0.53	0.35	0.03	0.00	0.40	0.43
47	0.52	0.32	0.20	0.09	0.39	0.22	0.55	0.37	0.07	0.01	0.41	0.43
48	0.53	0.34	0.22	0.11	0.41	0.22	0.57	0.39	0.11	0.04	0.42	0.44
49	0.54	0.36	0.25	0.12	0.43	0.23	0.58	0.40	0.14	0.07	0.43	0.45

*Refers to survivor who selects annuity payments (rather than a lump sum payment) upon active or terminated vested member's death.

The LEOFF 2 and WSPRS 2 ratios are 0.642 for duty-related deaths.

	Ratio of Survivors Selecting Annuities*											
						(Continue	d)					
	PE	RS 1	PE	RS 2	PE	RS 3	TR	RS 1	TF	RS 2	TF	RS 3
Age	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
50	0.56	0.37	0.27	0.13	0.45	0.23	0.59	0.42	0.18	0.10	0.44	0.45
51	0.57	0.39	0.29	0.15	0.47	0.24	0.60	0.43	0.22	0.13	0.45	0.46
52	0.58	0.40	0.32	0.16	0.49	0.24	0.61	0.45	0.26	0.16	0.45	0.47
53	0.58	0.42	0.34	0.18	0.51	0.24	0.62	0.46	0.30	0.19	0.46	0.47
54	0.59	0.43	0.37	0.19	0.53	0.25	0.63	0.47	0.34	0.22	0.47	0.48
55	0.60	0.44	0.39	0.20	0.55	0.25	0.64	0.48	0.37	0.25	0.48	0.48
56	0.61	0.45	0.42	0.22	0.57	0.25	0.65	0.49	0.41	0.28	0.48	0.49
57	0.62	0.46	0.44	0.23	0.59	0.26	0.65	0.50	0.45	0.31	0.49	0.49
58	0.62	0.47	0.47	0.25	0.61	0.26	0.66	0.51	0.49	0.34	0.50	0.50
59	0.63	0.48	0.49	0.26	0.63	0.26	0.67	0.52	0.53	0.37	0.50	0.50
60	0.64	0.49	0.52	0.28	0.65	0.27	0.67	0.52	0.56	0.40	0.51	0.51
61	0.64	0.50	0.54	0.29	0.67	0.27	0.68	0.53	0.60	0.43	0.52	0.51
62	0.68	0.54	0.60	0.34	0.73	0.31	0.72	0.57	0.67	0.50	0.55	0.55
63	0.68	0.55	0.62	0.35	0.75	0.31	0.72	0.58	0.71	0.53	0.56	0.56
64	0.69	0.55	0.65	0.36	0.77	0.32	0.73	0.58	0.75	0.56	0.57	0.56
65	0.69	0.56	0.67	0.38	0.79	0.32	0.73	0.59	0.79	0.59	0.57	0.56
66	0.70	0.57	0.70	0.39	0.79	0.32	0.73	0.59	0.79	0.59	0.58	0.57
67	0.70	0.57	0.72	0.41	0.79	0.32	0.73	0.59	0.79	0.59	0.58	0.57
68	0.71	0.58	0.75	0.42	0.79	0.32	0.73	0.59	0.79	0.59	0.59	0.58
69	0.71	0.59	0.77	0.44	0.79	0.32	0.73	0.59	0.79	0.59	0.59	0.58
70	0.72	0.59	0.80	0.45	0.79	0.32	0.73	0.59	0.79	0.59	0.60	0.58
71	0.72	0.59	0.80	0.45	0.79	0.32	0.73	0.59	0.79	0.59	0.60	0.58
72	0.72	0.59	0.80	0.45	0.79	0.32	0.73	0.59	0.79	0.59	0.60	0.58
73	0.72	0.59	0.80	0.45	0.79	0.32	0.73	0.59	0.79	0.59	0.60	0.58
74	0.72	0.59	0.80	0.45	0.79	0.32	0.73	0.59	0.79	0.59	0.60	0.58
75	0.72	0.59	0.80	0.45	0.79	0.32	0.73	0.59	0.79	0.59	0.60	0.58
76	0.72	0.59	0.80	0.45	0.79	0.32	0.73	0.59	0.79	0.59	0.60	0.58
77	0.72	0.59	0.80	0.45	0.79	0.32	0.73	0.59	0.79	0.59	0.60	0.58
78	0.72	0.59	0.80	0.45	0.79	0.32	0.73	0.59	0.79	0.59	0.60	0.58
79	0.72	0.59	0.80	0.45	0.79	0.32	0.73	0.59	0.79	0.59	0.60	0.58
80	0.72	0.59	0.80	0.45	0.79	0.32	0.73	0.59	0.79	0.59	0.60	0.58

^{*}Refers to survivor who selects annuity payments (rather than a lump sum payment) upon active or terminated vested member's death.

The LEOFF 2 and WSPRS 2 ratios are 0.642 for duty-related deaths.

	Ratio of Survivors Selecting Annuities*										
	SEI	RS 2	SE	RS 3	PS	ERS	LEOFF 1	LEOFF 2	WSPRS 1	WSPRS 2	
Age	Male	Female	Male	Female	Male	Female	M&F	M&F	M&F	M&F	
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.02	
32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.12	
33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.19	
34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.24	
35	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.28	0.00	0.28	
36	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.32	0.00	0.32	
37	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.35	0.00	0.35	
38	0.00	0.00	0.00	0.30	0.04	0.01	0.00	0.38	0.00	0.38	
39	0.00	0.00	0.00	0.31	0.10	0.04	0.00	0.41	0.00	0.41	
40	0.00	0.00	0.00	0.32	0.15	0.07	0.64	0.43	0.64	0.43	
41	0.00	0.00	0.02	0.32	0.19	0.10	0.64	0.45	0.64	0.45	
42	0.03	0.05	0.11	0.33	0.22	0.12	0.64	0.47	0.64	0.47	
43	0.09	0.10	0.17	0.33	0.25	0.14	0.64	0.49	0.64	0.49	
44	0.14	0.13	0.22	0.34	0.28	0.16	0.64	0.51	0.64	0.51	
45	0.18	0.16	0.26	0.34	0.30	0.17	0.64	0.52	0.64	0.52	
46	0.21	0.18	0.29	0.34	0.32	0.19	0.64	0.54	0.64	0.54	
47	0.24	0.20	0.32	0.35	0.34	0.20	0.64	0.55	0.64	0.55	
48	0.26	0.22	0.35	0.35	0.36	0.21	0.64	0.56	0.64	0.56	
49	0.29	0.24	0.37	0.35	0.38	0.22	0.64	0.58	0.64	0.58	

*Refers to survivor who selects annuity payments (rather than a lump sum payment) upon active or terminated vested member's death. The LEOFF 2 and WSPRS 2 ratios are 0.642 for duty-related deaths.

	Ratio of Survivors Selecting Annuities*									
					(Continue	ed)				
	SEI	RS 2		RS 3		ERS	LEOFF 1	LEOFF 2	WSPRS 1	WSPRS 2
Age	Male	Female	Male	Female	Male	Female	M&F	M&F	M&F	M&F
50	0.31	0.25	0.39	0.36	0.40	0.23	0.64	0.59	0.64	0.59
51	0.32	0.27	0.41	0.36	0.41	0.24	0.64	0.60	0.64	0.60
52	0.34	0.28	0.43	0.36	0.43	0.25	0.64	0.61	0.64	0.61
53	0.36	0.29	0.44	0.36	0.44	0.26	0.64	0.62	0.64	0.62
54	0.37	0.30	0.46	0.36	0.45	0.27	0.64	0.63	0.64	0.63
55	0.39	0.31	0.47	0.37	0.47	0.28	0.64	0.64	0.64	0.64
56	0.40	0.32	0.48	0.37	0.48	0.29	0.64	0.65	0.64	0.65
57	0.41	0.33	0.50	0.37	0.49	0.29	0.64	0.66	0.64	0.66
58	0.42	0.34	0.51	0.37	0.50	0.30	0.64	0.67	0.64	0.67
59	0.43	0.35	0.52	0.37	0.51	0.31	0.64	0.67	0.64	0.67
60	0.44	0.35	0.53	0.37	0.52	0.31	0.64	0.68	0.64	0.68
61	0.45	0.36	0.54	0.38	0.53	0.32	0.64	0.69	0.64	0.69
62	0.49	0.40	0.58	0.41	0.57	0.36	0.67	0.73	0.67	0.73
63	0.50	0.41	0.59	0.41	0.58	0.37	0.67	0.74	0.67	0.74
64	0.51	0.41	0.60	0.41	0.59	0.37	0.67	0.75	0.67	0.75
65	0.52	0.42	0.61	0.41	0.60	0.38	0.67	0.75	0.67	0.75
66	0.53	0.43	0.62	0.42	0.61	0.38	0.67	0.75	0.67	0.75
67	0.54	0.43	0.62	0.42	0.62	0.39	0.67	0.75	0.67	0.75
68	0.54	0.44	0.63	0.42	0.62	0.39	0.67	0.75	0.67	0.75
69	0.55	0.44	0.64	0.42	0.63	0.40	0.67	0.75	0.67	0.75
70	0.56	0.45	0.65	0.42	0.64	0.40	0.67	0.75	0.67	0.75
71	0.56	0.45	0.65	0.42	0.64	0.40	0.67	0.75	0.67	0.75
72	0.56	0.45	0.65	0.42	0.64	0.40	0.67	0.75	0.67	0.75
73	0.56	0.45	0.65	0.42	0.64	0.40	0.67	0.75	0.67	0.75
74	0.56	0.45	0.65	0.42	0.64	0.40	0.67	0.75	0.67	0.75
75	0.56	0.45	0.65	0.42	0.64	0.40	0.67	0.75	0.67	0.75
76	0.56	0.45	0.65	0.42	0.64	0.40	0.67	0.75	0.67	0.75
77	0.56	0.45	0.65	0.42	0.64	0.40	0.67	0.75	0.67	0.75
78	0.56	0.45	0.65	0.42	0.64	0.40	0.67	0.75	0.67	0.75
79	0.56	0.45	0.65	0.42	0.64	0.40	0.67	0.75	0.67	0.75
80	0.56	0.45	0.65	0.42	0.64	0.40	0.67	0.75	0.67	0.75

^{*}Refers to survivor who selects annuity payments (rather than a lump sum payment) upon active or terminated vested member's death. The LEOFF 2 and WSPRS 2 ratios are 0.642 for duty-related deaths.

				Early Retire	ement Factors			
Years Early	PERS 2/3, TRS 2/3, SERS 2/3	WSPRS 2, PERS 1, TRS 1	PSERS 2, PERS 1 TV, WSPRS 1/2 TV	LEOFF 2	LEOFF 2 Subsidized 3%*	PSERS 2 Subsidized 3%*	Plan 2/3 Subsidized**	Plan 2/3 Subsidized 5%**
0	1.000	1.000	1.000	1.000	1.00	1.00	1.00	1.00
1	0.898	0.910	0.903	0.914	0.97	1.00	1.00	0.95
2	0.808	0.829	0.817	0.836	0.94	1.00	1.00	0.90
3	0.728	0.757	0.740	0.765	0.91	1.00	1.00	0.85
4	0.657	0.691	0.672	0.701	N/A	1.00	0.98	0.80
5	0.594	0.632	0.610	0.642	N/A	1.00	0.95	0.75
6	0.537	0.578	0.555	0.589	N/A	0.97	0.92	0.70
7	0.487	0.529	0.505	0.541	N/A	0.94	0.89	0.65
8	0.442	0.485	0.460	0.497	N/A	0.91	0.86	0.60
9	0.401	0.445	0.420	0.456	N/A	0.88	0.83	0.55
10	0.365	0.409	0.383	0.420	N/A	0.85	0.80	0.50
11	0.332	0.375	0.350	0.386	N/A	0.82	N/A	N/A
12	0.302	0.345	0.319	0.355	N/A	0.79	N/A	N/A
13	0.275	0.317	0.292	0.327	N/A	N/A	N/A	N/A
14	0.251	0.291	0.267	0.301	N/A	N/A	N/A	N/A
15	0.229	0.268	0.245	0.278	N/A	N/A	N/A	N/A
16	0.209	0.246	0.224	0.256	N/A	N/A	N/A	N/A
17	0.191	0.227	0.205	0.236	N/A	N/A	N/A	N/A
18	0.175	0.208	0.188	0.218	N/A	N/A	N/A	N/A
19	0.160	0.192	0.173	0.201	N/A	N/A	N/A	N/A
20	0.146	0.176	0.158	0.186	N/A	N/A	N/A	N/A
21	0.134	0.162	0.145	0.171	N/A	N/A	N/A	N/A
22	0.123	0.149	0.133	0.158	N/A	N/A	N/A	N/A
23	0.112	0.138	0.123	0.146	N/A	N/A	N/A	N/A
24	0.103	0.127	0.113	0.135	N/A	N/A	N/A	N/A
25	0.100	0.117	0.103	0.125	N/A	N/A	N/A	N/A
26	0.100	0.107	0.100	0.116	N/A	N/A	N/A	N/A
27	0.100	0.100	0.100	0.107	N/A	N/A	N/A	N/A
28	0.100	0.100	0.100	0.100	N/A	N/A	N/A	N/A
29	0.100	0.100	0.100	0.100	N/A	N/A	N/A	N/A
30+	0.100	0.100	0.100	0.100	N/A	N/A	N/A	N/A

From Normal Retirement Age. TV=Terminated Vested.

^{*}LEOFF 2 members must be at least age 50 with 20 or more years of service to qualify.

PSERS 2 members must be at least age 53 with 20 or more years of service to qualify.

^{**}PERS 2/3, TRS 2/3, and SERS 2/3 members must be at least 55 with 30 or more years of service to qualify. Qualified members hired on or after 5/1/2013 will receive a 5% subsidized ERF.

4: Appendices

Percent Plan 3 Members Deferring Retirement							
Member Age	Deferral Percent*						
55	85%						
56	85%						
57	75%						
58	75%						
59	75%						
60	60%						
61	40%						
62	40%						
63	20%						
64	15%						

*Probability a Plan 3 member who terminates before age 65 with between 20 and 30 years of service will defer retirement until age 65.

Duty-Related Death Assumption							
System	Duty Death Rate*						
PERS	0.0018%						
TRS	0.0008%						
SERS	0.0018%						
PSERS	0.0018%						
LEOFF 1	0.0350%						
LEOFF 2	0.0350%						
WSPRS	0.0200%						

*The duty death rate is a constant probability, regardless of age.
The nonduty death rate is obtained by subtracting duty death rate from mortality rate for any given age.

Average Final Com	pensation Load
System/Plan	Load
PERS 1	4.00%
TRS 1	0.75%
LEOFF 1	4.50%
WSPRS 1	7.00%

Reflects allowances for cashouts of annual and sick leave for calculation of Average Final Compensation.

Member/Beneficiary Age Difference (In Years)		
Male Female System Member Member		
PERS	3	(1)
TRS	3	(1)
SERS	3	(1)
PSERS	3	(1)
LEOFF	3	(1)
WSPRS	3	(1)

Age difference is Member age minus Beneficiary age.

Certain and Life Annuities: Years Certain		
System		
PERS 1	4	
PERS 2	4	
TRS 1*	9	
TRS 2	5	
SERS 2	4	
PSERS 2	4	
LEOFF 1	3	
LEOFF 2	5	
WSPRS 1	4	
WSPRS 2	5	

^{*}Only disabled members get this without a reduction in their benefit. The certain period applies to only the "annuity" portion of the benefit, typically 40% of the total benefit.

Assumed Retirement Age from Inactive Status			
System	Plans	Retirement Age	
PERS	1	65 (60 under certain circumstances)	
	2	65 (55 if service >= 30 years)	
	3	65 (55 if service >= 30 years)*	
TRS	1	Same eligibility as if the member were active	
	2	Same as PERS 2	
	3	Same as PERS 3	
SERS	2	Same as PERS 2	
	3	Same as PERS 3	
PSERS	2	Same eligibility as if the member were active	
LEOFF	2	53 (50 if service >= 20 years)	
WSPRS	1/2	60	
*See table to the right if service is at least 20 years			

*See table to the right if service is at least 20 years, but less than 30 years.

Military Service		
	Increase Factor	
PERS 1*		
Males	1.5%	
Females	0.1%	
WSPRS 1**		
Males	3.0%	
Females	1.0%	

Members with 25 years of service may receive up to 5 years of military service credit.

*Members of PERS Plan 1 may use certain prior military service as well as interruptive military service.

^{**}Members of WSPRS Plan 1 may use all prior military service as well as interruptive military service.

LEOFF 2 Duty-Related Disability Assumption			
Age	Age Duty Disability Rate*		
20	97.25%		
25	95.86%		
30	94.50%		
35	93.11%		
40	91.75%		
45	89.00%		
50	86.25%		
55+	55+ 83.50%		

*Probability of disability being dutyrelated; geometrically interpolated between given values. Applies to LEOFF 2 only. Table represents a summary of rates.

Additional Duty-Related Assumptions for LEOFF 2	2
Percent of disabilities assumed to be catastrophic	12%
Percent of deaths assumed to be caused by occupational	
diseases for fire fighters	
Age	Rate
20-49	14.74%
50-69	27.39%
Percent of Final Average Salary paid for catastrophic	
disability benefits (including offset adjustments).	44%

Average Ratio of Survivors of Inactive Deaths Selecting Annuities*					
System	System Plan 1 Plan 2 Plan 3				
PERS	59%	31%	40%		
TRS	61%	39%	48%		
SERS	N/A	33%	39%		
PSERS	N/A	27%	N/A		
LEOFF	100%	56%	N/A		
WSPRS	64%	56%	N/A		

^{*}Refers to survivor who selects annuity payments (rather than a lump sum payment) if a currently terminated vested member dies before retirement age.

Joint and 100 Percent Survivor Option Factors*			
System	Plans	Male Members	Female Members
PERS	1	0.869	0.893
	2/3	0.780	0.828
TRS	1	0.893	0.914
	2/3	0.805	0.856
SERS	2/3	0.765	0.845
PSERS	2	0.797	0.826
LEOFF**	2	0.859	0.881
WSPRS**	1	0.944	0.956
WSPRS**	2	0.885	0.904

^{*}Applied to on-going survivor benefits in the event of a pre-retirement death. Based on our member / beneficiary age difference assumptions and the option factors in WAC 415-02-380.

Employee Contribution Rates for Savings Fund Accrual System/Plans Contribution Rate* PERS 2 4.94% TRS 2 6.19% SERS 2 5.27% **PSERS 2** 6.89% LEOFF 2 8.41% **WSPRS 1/2** 7.19%

This assumption helps us estimate the value of accumulated employee contributions with interest if a member elects a refund of contributions instead of a deferred retirement allowance upon termination.

*PERS 1 and TRS 1 employee rates are set in statute at 6%. No LEOFF 1 rates are required as long as the plan remains fully funded. Plan 3 members do not contribute to the defined benefit plan.

^{**}Standard survivor benefits in LEOFF 1 are not reduced. WSPRS Plan 1 reductions apply for Option B. LEOFF Plan 2 and WSPRS Plan 2 reductions apply to non-duty death benefits only.

Medical Premium Reimbursement

- ◆ RCW 41.26.510(5) and RCW 43.43.285(2) (b) state that qualified survivors and children of line-of-duty deaths (Survivors) in LEOFF 2 and WSPRS shall have medical premiums reimbursed from the retirement fund. The laws also provide that all survivors will be covered by the Public Employees Benefits Board (PEBB).
- ♦ RCW 41.26.470(10) states that LEOFF 2 members with total disabilities (Disabilities) and qualified family members shall have medical premiums reimbursed from the retirement fund.

The costs for these benefits are included in the results presented in this report. However, the benefits are funded through irrevocable trust funds, known as 401(h) accounts, from contribution rates selected by the Department of Retirement Systems (DRS) and the LEOFF 2 Board. These contribution rates are "carved out" of the total adopted contribution rates. DRS and the LEOFF 2 Board will periodically review the funding requirements for these benefits and adjust the 401(h) contribution rates as necessary.

The information in the next section represents methods and assumptions tied directly to the medical premium reimbursement benefits.

Please see the 2013 Other Post-Employment Benefits Actuarial Valuation Report (OPEB Report) for the following referenced assumptions.

Medical Inflation

Current and Future Survivors, and Future Disabilities: Uniform Medical Plan (UMP) Medicare and Pre-Medicare assumptions without excise tax (OPEB report).

Current Disabilities: 5 percent per year.

Percent Married

Future Disabilities: 85 percent.

Current Disabilities: 100 percent.

Percent With Children

Disabilities and Survivors: 100 percent, one child each.

Premium Percentages

When the data for members currently qualifying for total disability benefits does not provide information about how many family members are covered, we use the assumptions below to split the total premium into each family member's share.

Premium Percentages (Current Disabilities)		
Percent of Family Member Total Premium		
Primary Spouse	34% 49%	
Child 17%		
All 100%		

Assumed Coverage Type, Future Disabilities

Fifty percent covered by policies provided under the Consolidated Omnibus Budget Reconciliation Act of 1985 (COBRA).

Fifty percent covered by employer-provided policies.

Assumed Timing/Length of Coverage

Assumed Timing/Length of Coverage			
Coverage Type	Beneficiary Type	Start of Coverage	End of Coverage
COBRA			
	Future Disabilities	Upon Benefit Commencement	2.5 Years after Commencement*
	Current Disabilities	Upon Benefit Commencement	29 Months after Commencement
Employer/PEBB			
Survivors and S	Spouses of Disabilities	Upon Benefit Commencement	Age 65**
	Disabilities	Upon Benefit Commencement	29 Months after Commencement
	Child	Upon Benefit Commencement	10 Years after Commencement**
Medicare			
	Future Disabilities	2.5 Years after Commencement*	Paid for Life
	Current Disabilities	29 Months after Commencement	Paid for Life
Survivors and S	Spouses of Disabilities	Age 65**	Paid for Life**
State-Provided Med	licare Subsidy***		
Current a	and Future Disabilities	29 Months After Commencement	Paid for Life

^{*}Because of a limitation in the model, we assume 2 years for 50% of members, and 3 years for 50% of members, depending on member's age at benefit commencement.

^{**}Benefits paid to spouses and child(ren) of Disabilities for the life of the member.

^{***}Whether member is covered by COBRA or other means, we assume the member is also covered under the state's explicit Medicare subsidy.

Assumed Premiums

		Disabilities	
(Used for Future Disabilities and Current Disabilities Who Have Missing Values) Annual			
Coverage Type	Family Member	Category	Premium
COBRA	Turing member	- Category	T TOTTICALITY
OODIUT	Member	Pre-Medicare	\$10,376.62
	Spouse	Pre-Medicare	5,807.57
	Child	Pre-Medicare	\$3,058.40
Employer			, , , , , ,
	Member	Pre-Medicare	\$12,895.81
		Medicare	7,854.30
	Spouse	Pre-Medicare	11,457.78
		Medicare	7,392.38
	Child	Pre-Medicare	\$3,962.35
Total Disabilities			
State-Provided Med	icare Subsidy		
	Age	Annual Subsidy	
	Less than 25	\$6,472.80	
	25-27	4,084.80	
	28 and Above	\$1,156.80	
		ture Survivors	
	(Covered	under PEBB Options)	
		Annual Premium	
Family Member	Category	Medical	Dental
Survivor			
	Pre-Medicare	\$6,549.96	\$556.08
	Medicare	\$2,630.88	\$556.08
Child			
	Pre-Medicare	\$4,856.88	\$556.08

Miscellaneous Assumptions/ Methods

We include the following miscellaneous assumptions and methods in this valuation.

♦ Minimum and maximum allowable ages are set in the data as follows.

	Non-Annuitants	Annuitants
Minimum Age	16	20
Maximum Age	80	110

- ♦ Default entry salaries, usually increased for past service, are assigned for active members with less than two months' service during the valuation year.
- Historical salaries for vested terminated members are not provided in the valuation data. Beginning with the 2008 valuation year, we first look to see if we kept a historical salary for such a member in the prior year's data. If so, we copy the salary to the current year's data. If a member was active in the prior year and terminated in the current year, we copy the prior year's salary to the current year's salary and keep it as historical.

Additionally, in 2009 we searched our data for actual salaries up to ten years prior for terminated vested members who did not already have historical salaries listed. To estimate salaries for the remaining terminated vested members, we use the following procedure. First, a salary

appropriate for the given system/plan and the member's total past service is assigned. These salaries are determined as of a given base year. Second, the salary is divided by the general salary increase assumption for each year the member has been inactive as measured from the base year. Please see the 2007-2012 Experience Study Report for a record of the salaries used.

- ♦ While DRS reports salaries earned during the year prior to the valuation date, the salaries used in the first year of the valuation process have received an additional merit salary increase. In other words, the valuation software projects salaries to the coming year, beginning the day after the valuation date.
- ♦ All systems use a midyear decrement timing assumption.
- ♦ Members who receive a disability benefit are not assumed to return to active duty in the future.
- ♦ Disability and termination rates are discontinued after members are eligible to retire (with the exception of LEOFF and WSPRS disability rates).

- ♦ LEOFF Plan 1 and WSPRS Plan 1 use a slightly increased ratio of survivors selecting annuities over that displayed in the table presented earlier in this section. This assumption estimates the likelihood a qualified survivor will receive an ongoing benefit at the time of the member's death. The valuation software used also applies mortality assumptions to potential survivors, which results in an understatement of that future liability for those plans. To recognize this liability, we assume a 67 percent survivor annuity.
- ♦ We assume all survivors of currently retired WSPRS Plan 1 members who opted for the standard survivor benefit at retirement will receive an initial survivor benefit of 50 percent of the member's average final salary.
- ♦ We value the Basic Minimum COLA for PERS 1 and TRS 1 outside of our valuation software for members currently not receiving the benefit. The demographic assumptions we used to value this benefit provision were not updated for the 2007-12 Demographic Experience Study.

Summary of Plan Provisions

The following tables present high-level summaries of the plan provisions and are not meant to be exhaustive lists. For complete details of plan provisions, please refer to the statutes shown in each table or contact the plan administrator, DRS. In the unlikely event that information contained in these tables conflicts with state law, the law takes precedence.

	Summary of Plan	Provisions - PERS	
	Plan 1	Plan 2	Plan 3
Effective Date of Plan	10/1/47	10/1/77	3/1/02
Date Closed to New Entrants	9/30/77	Open	Open
Statutory Reference	Chapter 41.40 RCW	Chapter 41.40 RCW	Chapter 41.40 RCW
Normal Retirement Eligibility (age/service)	60/5, 55/25, Any Age/30	65/5	65/10 or vested
Accrued Benefit Formula	2% x YOS x AFC; Maximum 60% AFC	2% x YOS x AFC	1% x YOS x AFC; 0.25% per month pre-retirement COLA with 20 years of service
Computation of AFC	Annual average of the greatest compensation earnable during a 24 consecutive month period	Average compensation earnable for the highest 60 consecutive months	Average compensation earnable for the highest 60 consecutive months
Credited Service	Monthly, based on hours worked each month (school yr. for edu. emplys.)	Monthly, based on hours worked each month (school yr. for edu. emplys.)	Monthly, based on hours worked each month (school yr. for edu. emplys.)
Vesting	5 years	5 years	10 years (5 under select circumstances)
Vested Benefits Upon Termination	Refund of employee contributions plus interest, or deferred retirement allowance	Refund of employee contributions plus interest, or deferred retirement allowance	Refund of employee contributions plus investment earnings and deferred retirement allowance
Early Retirement Eligibility (age/service)	n/a	55/20	55/10
Early Retirement Reduction Factors	n/a	3% or alternate subsidized ERF with 30 YOS (5% if hired on or after 5/1/13), otherwise actuarial	3% or alternate subsidized ERF with 30 YOS (5% if hired on or after 5/1/13), otherwise actuarial
Disability Retirement Benefit	Non-duty: reduced accrued benefit; Duty: temporary annuity plus deferred retirement allowance	Accrued benefit, actuarially reduced	Accrued benefit, actuarially reduced
COLA	\$2.12 per month/YOS* on 7/1/14	Lesser of CPI** or 3%	Lesser of CPI** or 3%
Minimum Benefit per Month	\$50.75* per YOS on 7/1/14, \$1,688.26* for select annuitants	n/a	n/a
Changes in Plan Provisions Since Last Valuation	n/a	n/a	Remove Annual Plan 3 Contribution Rate Change Provision (C 95 L 14)
Material Benefits not Included in this Valuation	We are not currently valuing portability with Seattle, Tacoma, & Spokane	We are not currently valuing portability with Seattle, Tacoma, & Spokane	We are not currently valuing portability with Seattle, Tacoma, & Spokane

^{*}Minimum COLA payable to qualified members only; increases by 3% annually. The Uniform COLA was removed under C 362 L 11.

^{**}CPI: Urban Wage Earners & Clerical Workers, Seattle-Tacoma-Bremerton, WA - All Items.

		n Provisions - TRS tinued)				
	Plan 1	Plan 2	Plan 3			
Effective Date of Plan	3/1/38	10/1/77	7/1/96			
Date Closed to New Entrants	9/30/77	Open	Open			
Statutory Reference	Chapter 41.32 RCW	Chapter 41.32 RCW	Chapter 41.32 RCW			
Normal Retirement Eligibility (age/service)	60/5, 55/25, Any Age/30	65/5	65/10 or vested			
Accrued Benefit Formula	2% x YOS x AFC; Maximum 60% AFC	2% x YOS x AFC	1% x YOS x AFC; 0.25% per month pre-retirement COLA with 20 years of service			
Computation of AFC	Annual average earnable compensation for the two highest consecutive service credit years	Average compensation earnable for the highest 60 consecutive months	Average compensation earnable for the highest 60 consecutive months			
Credited Service	Yearly, based on days worked each year	Monthly, based on number of months and hours worked during school year	Monthly, based on number of months and hours worked during school year			
Vesting	5 years	5 years	10 years (5 under select circumstances)			
Vested Benefits Upon Termination	Refund of employee contributions plus interest, or deferred retirement allowance	Refund of employee contributions plus interest, or deferred retirement allowance	Refund of employee contributions plus investment earnings and deferred retirement allowance			
Early Retirement Eligibility (age/service)	n/a	55/20	55/10			
Early Retirement Reduction Factors	n/a	3% or alternate subsidized ERF with 30 YOS (5% if hired on or after 5/1/13), otherwise actuarial	3% or alternate subsidized ERF with 30 YOS (5% if hired on or after 5/1/13), otherwise actuarial			
Disability Retirement Benefit	Accrued benefit	Accrued benefit, actuarially reduced	Accrued benefit, actuarially reduced			
COLA	\$2.12 per month/YOS* on 7/1/14	Lesser of CPI** or 3%	Lesser of CPI** or 3%			
Minimum Benefit per Month	\$50.75* per YOS on 7/1/14, \$1,688.26* for select annuitants	n/a	n/a			
Changes in Plan Provisions Since Last Valuation	n/a	n/a	Remove Annual Plan 3 Contribution Rate Change Provision (C 95 L 14)			
Material Benefits not Included in this Valuation	We are not currently valuing portability with Seattle, Tacoma, & Spokane	We are not currently valuing portability with Seattle, Tacoma, & Spokane	We are not currently valuing portability with Seattle, Tacoma, & Spokane			

^{*}Minimum COLA payable to qualified members only; increases by 3% annually. The Uniform COLA was removed under C 362 L 11.

^{**}CPI: Urban Wage Earners & Clerical Workers, Seattle-Tacoma-Bremerton, WA - All Items.

Sı	ummary of Plan Provisions - SER (Continued)	S
	Plan 2	Plan 3
Effective Date of Plan	9/1/00	9/1/00
Date Closed to New Entrants	Open	Open
Statutory Reference	Chapter 41.35 RCW	Chapter 41.35 RCW
Normal Retirement Eligibility (age/service)	65/5	65/10 or vested
Accrued Benefit Formula	2% x YOS x AFC	1% x YOS x AFC; 0.25% per month pre-retirement COLA with 20 years of service
Computation of AFC	Average compensation earnable for the highest 60 consecutive months	Average compensation earnable for the highest 60 consecutive months
Credited Service	Monthly, based on number of months and hours worked during school year	Monthly, based on number of months and hours worked during school year
Vesting	5 years	10 years (5 under select circumstances)
Vested Benefits Upon Termination	Refund of employee contributions plus interest, or deferred retirement allowance	Refund of employee contributions plus investment earnings and deferred retirement allowance
Early Retirement Eligibility (age/service)	55/20	55/10
Early Retirement Reduction Factors	3% or alternate subsidized ERF with 30 YOS (5% if hired on or after 5/1/13), otherwise actuarial	3% or alternate subsidized ERF with 30 YOS (5% if hired on or afte 5/1/13), otherwise actuarial
Disability Retirement Benefit	Accrued benefit, actuarially reduced	Accrued benefit, actuarially reduce
COLA	Lesser of CPI* or 3%	Lesser of CPI* or 3%
Minimum Benefit per Month per YOS	n/a	n/a
Changes in Plan Provisions Since Last Valuation	n/a	Remove Annual Plan 3 Contribution Rate Change Provision (C 95 L 14)
Material Benefits not Included in this Valuation	We are not currently valuing portability with Seattle, Tacoma, & Spokane	We are not currently valuing portability with Seattle, Tacoma, & Spokane

^{*}CPI: Urban Wage Earners & Clerical Workers, Seattle-Tacoma-Bremerton, WA - All Items.

Summary of Plan Pr (Continu	
	Plan 2
Effective Date of Plan	7/1/06
Date Closed to New Entrants	Open
Statutory Reference	Chapter 41.37 RCW
Normal Retirement Eligibility (age/service)	65/5 Total Service, 60/10 PSERS service
Accrued Benefit Formula	2% x YOS x AFC
Computation of AFS	Average compensation earnable for the highest 60 consecutive months
Credited Service	Monthly, based on hours worked each month
Vesting	5 years
Vested Benefits Upon Termination	Refund of employee contributions plus interest, or deferred retirement allowance
Early Retirement Eligibility (age/service)	53/20 Total Service
Early Retirement Reduction Factors	3% ERF with 20 YOS, otherwise actuarial
Disability Retirement Benefit	Accrued benefit, actuarially reduced from age 60
COLA	Lesser of CPI* or 3%
Minimum Benefit per Month per YOS	n/a
Changes in Plan Provisions Since Last Valuation	n/a
Material Benefits not Included in this Valuation	We are not currently valuing portability with Seattle, Tacoma, & Spokane

*CPI: Urban Wage Earners & Clerical Workers, Seattle-Tacoma-Bremerton, WA - All Items.

Su	mmary of Plan Provisions - LEOF (Continued)	F
	Plan 1	Plan 2
Effective Date of Plan	3/1/70	10/1/77
Date Closed to New Entrants	9/30/77	Open
Statutory Reference	Chapter 41.26 RCW	Chapter 41.26 RCW
Normal Retirement Eligibility (age/service)	50/5	53/5
Accrued Benefit Formula	Accrual % (1%, 1.5%, 2%) x YOS (5, 10, 20) x FAS	2% x YOS x AFC; 0.25% per month pre-retirement COLA with 20 years of service
Computation of FAS/AFC	The basic salary attached to the position or rank at retirement if held for at least 12 months	Average compensation earnable for the highest 60 consecutive months
Credited Service	Monthly, based on hours worked each month	Monthly, based on hours worked each month
Vesting	5 years	5 years
Vested Benefits Upon Termination	Refund of employee contributions plus interest, or deferred retirement allowance	Refund of employee contributions (x 150% if 10 YOS) plus interest, or deferred retirement allowance
Early Retirement Eligibility (age/service)	n/a	50/20
Early Retirement Reduction Factors	n/a	3% ERF with 20 YOS
Disability Retirement Benefit	50% FAS, (max 60% if children)	Non-duty: accrued benefit, actuarially reduced; Duty, occupational: accrued benefit without actuarial reduction, minimum 10% of AFC; Duty, total: 70% of AFC with offsets for Social Securty and L&I benefits, not to exceed 100% of AFC.
COLA	Full CPI*	Lesser of CPI* or 3%
Minimum Benefit per Month per YOS	n/a	n/a
Changes in Plan Provisions Since Last Valuation	n/a	Annuity Purchase (C 91 L 14); Definition of Firefighter (C 145 L 14)
Material Benefits not Included in this Valuation	None	We are not currently valuing portability with Seattle, Tacoma, & Spokane

^{*}CPI: Urban Wage Earners & Clerical Workers, Seattle-Tacoma-Bremerton, WA - All Items.

Su	ımmary of Plan Provision - WSPR (Continued)	S
	Plan 1	Plan 2
Effective Date of Plan	6/12/47	1/1/03
Date Closed to New Entrants	12/31/02	Open
Statutory Reference	Chapter 43.43 RCW	Chapter 43.43 RCW
Normal Retirement Eligibility (age/service)	Age 55, Any Age/25, Mandatory at 65	Age 55, Any Age/25, Mandatory at 65
Accrued Benefit Formula	2% x YOS x AFC; Maximum 75% AFC	2% x YOS x AFC; Maximum 75% AFC
Computation of AFC	Average monthly salary of the highest two consecutive years	Average monthly salary of the highest 60 consecutive months
Credited Service	Monthly, based on hours worked each month	Monthly, based on hours worked each month
Vesting	5 years	5 years
Vested Benefits Upon Termination	Refund of employee contributions plus interest, or deferred retirement allowance	Refund of employee contributions plus interest, or deferred retirement allowance
Early Retirement Eligibility (age/service)	n/a	n/a
Early Retirement Reduction Factors	n/a	n/a
Disability Retirement Benefit	50% comp with offsets, paid from WSPRS operational funds	50% comp with offsets, paid from WSPRS operational funds
COLA	Lesser of CPI* or 3%	Lesser of CPI* or 3%
Minimum Benefit per Month per YOS**	\$31.91 on 1/1/14	\$31.91 on 1/1/14
Changes in Plan Provisions Since Last Valuation	n/a	n/a
Material Benefits not Included in this Valuation	We are not currently valuing portability with Seattle, Tacoma, & Spokane	We are not currently valuing portability with Seattle, Tacoma, & Spokane

^{*}CPI: Urban Wage Earners & Clerical Workers, Seattle-Tacoma-Bremerton, WA - All Items.

^{**}Amount increases by 3% annually.

Age/Service Distributions

					_		istribution s and Avera							
					(Mannoo		PERS Plan		Caiai y,					
Attained Age						Atta	ined Years	of Service						
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	Tota
Under 25	0	0	0	0	0	0	0	0	0	0	0	0	0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
25-29	0	0	0	0	0	0	0	0	0	0	0	0	0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
30-34	0	0	0	0	0	0	0	0	0	0	0	0	0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
35-39	0	0	0	0	0	0	0	0	0	0	0	0	0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
40-44	0	0	0	0	0	0	0	0	0	0	0	0	0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$(
45-49	0	0	0	0	0	0	0	0	0	0	0	0	0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$(
50-54	0	0	0	1	0	0	5	3	2	6	2	5	0	24
	\$0	\$0	\$0	*	\$0	\$0	\$26,624	\$69,860	\$68,814	\$67,058	\$71,929	\$65,568	\$0	\$59,92
55-59	5	14	5	10	10	123	144	186	206	190	123	346	18	1,380
	\$30,975	\$36,525	\$39,218	\$32,628	\$52,754	\$45,812	\$44,404	\$49,530	\$51,851	\$55,782	\$62,765	\$63,118	\$70,706	\$54,398
60-64	15	23	26	25	31	223	267	332	450	411	274	605	201	2,883
	\$40,285	\$41,372	\$41,019	\$44,222	\$47,902	\$46,035	\$50,381	\$49,583	\$54,033	\$57,232	\$63,638	\$66,657	\$62,887	\$56,75
65-69	5	12	13	7	14	112	109	108	140	143	89	195	137	1,084
	\$35,977	\$42,556	\$47,024	\$41,512	\$39,350	\$46,692	\$52,442	\$54,802	\$59,600	\$62,015	\$63,688	\$64,169	\$67,049	\$58,659
70 & Over	0	5	2	6	2	34	29	19	31	31	20	58	45	282
	\$0	\$63,990	\$28,734	\$32,912	\$20,483	\$33,850	\$47,142	\$52,539	\$53,757	\$54,103	\$52,723	\$44,453	\$66,617	\$50,022
Total	25	54	46	49	57	492	554	648	829	781	508	1,209	401	5,65
	\$37,561	\$42,473	\$41,986	\$40,891	\$45,690	\$45,287	\$48,849	\$50,618	\$54,457	\$57,706	\$63,038	\$64,173	\$65,078	\$56,22
Average:	Age	62.2	Nu	mber of Pa	•	Vested	5,389		Males	2,089		•	nent Eligible:	
	Service	24.5			N	lot Vested	264		Females	3,564	Nor	mal Retiren	nent Eligible:	4,7

*Annual Salary omitted for privacy reasons.

					Age and	l Service D	istribution	of Active M	embers					
					(Numbe		s and Avera	age Annual	Salary)					
							(Continued)							
							PERS Plan 2							
Attained Age							ned Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 25	820	649	231	93	47	42	0	0	0	0	0	0	0	1,882
	\$33,518	\$31,869	\$35,741	\$35,569	\$38,376	\$39,017	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,567
25-29	905	1,328	791	600	446	1,367	31	0	0	0	0	0	0	5,468
	\$37,494	\$38,028	\$42,169	\$45,256	\$46,443	\$49,246	\$52,146	\$0	\$0	\$0	\$0	\$0	\$0	\$42,903
30-34	717	1,152	751	652	566	3,811	1,074	37	0	0	0	0	0	8,760
	\$39,187	\$43,269	\$47,060	\$48,140	\$53,154	\$53,712	\$56,319	\$57,022	\$0	\$0	\$0	\$0	\$0	\$50,462
35-39	581	865	597	511	459	3,793	3,180	841	15	0	0	0	0	10,842
	\$40,831	\$44,680	\$50,348	\$50,767	\$55,532	\$56,926	\$60,622	\$60,481	\$64,045	\$0	\$0	\$0	\$0	\$55,745
40-44	523	799	617	522	426	3,694	3,829	2,588	802	13	0	0	0	13,813
	\$40,305	\$44,163	\$49,747	\$54,158	\$52,230	\$57,383	\$61,716	\$64,438	\$64,564	\$60,807	\$0	\$0	\$0	\$58,293
45-49	401	670	528	427	360	3,418	3,680	2,919	2,377	653	14	0	0	15,447
	\$40,859	\$45,524	\$50,710	\$53,045	\$50,747	\$56,533	\$61,890	\$64,709	\$67,164	\$64,138	\$62,273	\$0	\$0	\$60,002
50-54	430	643	487	447	434	3,419	3,759	3,200	3,295	2,155	838	38	0	19,145
	\$39,488	\$47,503	\$49,261	\$53,872	\$54,970	\$56,544	\$60,122	\$63,566	\$68,004	\$70,103	\$65,683	\$64,075	\$0	\$61,364
55-59	318	529	380	382	351	2,856	3,482	3,319	3,593	2,845	1,863	272	0	20,190
	\$43,188	\$51,091	\$48,930	\$53,811	\$54,956	\$55,042	\$60,178	\$62,374	\$67,054	\$70,672	\$72,895	\$70,685	\$0	\$62,901
60-64	148	290	218	234	212	1,961	2,453	2,539	2,963	2,249	1,323	248	0	14,838
	\$41,363	\$48,536	\$46,766	\$51,134	\$53,726	\$55,099	\$58,634	\$61,707	\$64,944	\$68,339	\$71,862	\$71,471	\$0	\$62,085
65-69	48	65	72	57	85	712	791	766	846	636	333	39	0	4,450
	\$35,747	\$41,308	\$45,818	\$48,098	\$48,308	\$54,566	\$58,971	\$61,283	\$62,294	\$68,201	\$68,637	\$72,897	\$0	\$60,396
70 & Over	16	23	27	30	21	171	178	144	133	100	61	12	0	916
	\$50,522	\$46,844	\$35,409	\$45,461	\$41,740	\$43,428	\$51,682	\$53,179	\$55,792	\$59,661	\$63,898	\$65,958	\$0	\$51,792
-	4.00=	T 0/0	4.000	0.055	0.46=	0.044	00.45	10.053	44.004	0.051	4.400	000		445 554
Total	4,907	7,013	4,699	3,955	3,407	25,244	22,457	16,353	14,024	8,651	4,432	609	0	115,751
	\$38,732	\$42,902	\$47,141	\$50,422	\$52,284	\$55,444	\$60,300	\$63,005	\$66,310	\$69,107	\$70,746	\$70,641	\$0	\$58,388
Average:	Age	48.4	Nu	mber of Pa	rticipants:	Vested	89,387		Males	55,563	Е	arly Retiren	nent Eligible:	15,495
•	Service	12.6			· N	lot Vested	26,364		Females	60,188	Nor	rmal Retiren	nent Eligible:	4,932

^{*}Annual Salary omitted for privacy reasons.

					Age and	Service D	istribution	of Active M	embers					
					(Numbe	r of Active	s and Avera	age Annual	Salary)					
							(Continued)							
	PERS Plan 3 Attained Age Attained Age Attained Years of Service													
Attained Age														
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 25	569	468	145	53	19	16	0	0	0	0	0	0	0	1,270
	\$31,603	\$29,245	\$32,336	\$34,562	\$32,982	\$40,932	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,080
25-29	475	795	496	345	220	629	8	0	0	0	0	0	0	2,968
	\$34,939	\$37,365	\$39,808	\$42,508	\$43,465	\$46,728	\$42,615	\$0	\$0	\$0	\$0	\$0	\$0	\$40,434
30-34	370	543	407	331	261	1,813	202	0	0	0	0	0	0	3,927
	\$37,211	\$41,791	\$45,162	\$47,420	\$49,426	\$53,675	\$56,012	\$0	\$0	\$0	\$0	\$0	\$0	\$48,909
35-39	237	418	275	228	194	1,581	522	92	3	0	0	0	0	3,550
	\$38,217	\$42,408	\$44,652	\$48,292	\$53,504	\$55,659	\$61,081	\$66,639	\$53,106	\$0	\$0	\$0	\$0	\$52,570
40-44	204	328	238	192	158	1,340	588	399	128	3	0	0	0	3,578
	\$41,126	\$44,116	\$46,979	\$47,929	\$51,014	\$58,081	\$61,820	\$67,925	\$67,467	\$91,286	\$0	\$0	\$0	\$56,315
45-49	149	256	199	163	142	1,114	461	413	524	100	2	0	0	3,523
	\$39,396	\$42,286	\$45,967	\$50,744	\$52,495	\$56,177	\$62,666	\$68,842	\$71,843	\$73,450	\$76,041	\$0	\$0	\$58,647
50-54	143	234	160	156	148	1,044	481	394	630	442	126	6	0	3,964
	\$40,962	\$42,597	\$46,806	\$48,433	\$48,417	\$56,510	\$61,366	\$67,170	\$72,016	\$74,832	\$72,838	\$69,994	\$0	\$60,812
55-59	102	170	114	117	105	887	404	346	589	484	292	43	0	3,653
	\$39,866	\$44,240	\$44,161	\$53,193	\$54,104	\$55,166	\$59,567	\$63,305	\$68,498	\$75,034	\$73,499	\$75,909	\$0	\$61,542
60-64	62	113	75	65	67	515	272	217	338	280	146	28	0	2,178
	\$38,283	\$45,206	\$50,684	\$48,317	\$51,468	\$54,714	\$60,070	\$62,419	\$64,679	\$68,960	\$71,352	\$73,783	\$0	\$59,499
65-69	20	20	35	29	16	193	73	49	72	48	20	2	0	577
	\$41,874	\$41,404	\$46,763	\$52,556	\$73,539	\$55,011	\$60,883	\$58,769	\$65,593	\$63,702	\$69,479	\$74,144	\$0	\$57,647
70 & Over	3	6	10	12	10	38	17	5	6	5	2	0	0	114
	\$27,107	\$46,183	\$35,605	\$37,379	\$38,823	\$56,449	\$49,791	\$73,013	\$59,790	\$80,662	\$60,433	\$0	\$0	\$50,796
Total	2,334	3,351	2,154	1,691	1,340	9,170	3,028	1,915	2,290	1,362	588	79	0	29,302
iotai	\$36,367	\$39,632	\$43,519	\$47,055	\$49,883	9,170 \$55,031	\$60,763	\$66,226	\$69,476	\$73,260	\$72,652	\$74,662	\$0	\$53,948
	ψ30,307	ψ39,032	Ψ43,013	ψ41,033	Ψ 4 3,003	φυσ,υσΤ	ψου, 1 ο ο	ψ00,220	ψ03,410	Ψ13,200	Ψ1 2,002	ψ14,002	φυ	φυυ,940
Average:	Age	43.6	Nu	mber of Pa	rticipants:	Vested	12,297		Males	13,723	Е	arly Retirer	nent Eligible:	3,522
•	Service	8.7			N	ot Vested	17,005		Females	15,579	Nor	mal Retirer	nent Eligible:	511

^{*}Annual Salary omitted for privacy reasons.

	Age and Service Distribution of Active Members													
					(Numbe	r of Active	s and Avera	age Annual	Salary)					
							(Continued)							
							TRS Plan 1							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O.W. O.O.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.24	\$0	\$0	\$0 0	\$0 0	\$0 0	\$0	\$0	\$0	\$0 0	\$0	\$0	\$0 0	\$0	\$0 0
30-34	0 \$0	0 \$0	\$0	\$0	\$0	0 \$0	0 \$0	0 \$0	•	0 \$0	0 \$0	\$0	0 \$0	~
35-39	φυ 0	\$0 0	φυ 0	φυ 0	\$U 0	\$0 0	\$0 0	\$0 0	\$0 0	\$0 0		\$0 0	φυ 0	\$0
35-39	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0 \$0	\$0	\$0	0 \$0
40-44	0	0	0	0	0	0	0	0	φ0 0	0	0	φ0 0	0	0
40-44	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
45-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40-43	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 3 .	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	0	0	2	1	1	8	15	20	25	46	56	129	0	303
	\$0	\$0	\$65,292	*	*	\$63,022	\$68,076	\$69,552	\$70,593	\$76,872	\$78,532	\$81,286	\$0	\$77,120
60-64	0	0	1	1	2	31	63	92	185	219	224	512	109	1,439
	\$0	\$0	*	*	\$83,088	\$56,722	\$65,820	\$68,846	\$74,764	\$75,918	\$79,588	\$77,779	\$81,231	\$76,096
65-69	0	1	1	0	0	14	23	37	82	87	72	114	124	555
	\$0	*	*	\$0	\$0	\$57,809	\$65,862	\$67,401	\$73,489	\$77,211	\$85,015	\$79,588	\$81,105	\$77,394
70 & Over	0	0	0	1	1	6	5	9	11	7	9	14	33	96
	\$0	\$0	\$0	*	*	\$78,923	\$73,460	\$72,182	\$76,051	\$76,965	\$69,398	\$74,949	\$81,650	\$76,644
Total	0	1	4	3	4	59	106	158	303	359	361	769	266	2,393
	\$0	*	\$61,773	\$58,177	\$76,041	\$60,092	\$66,509	\$68,787	\$74,122	\$76,374	\$80,253	\$78,584	\$81,224	\$76,549
		00.5									_		. =	_
Average:	Age	63.0	Nu	mber of Pa		Vested	2,379		Males	550		•	nent Eligible:	0
	Service	30.1			N	lot Vested	14		Females	1,843	ioN	mai Retiren	nent Eligible:	2,313

^{*}Annual Salary omitted for privacy reasons.

	Age and Service Distribution of Active Members													
					(Numbe		s and Avera	age Annual	Salary)					
							(Continued)							
							TRS Plan 2							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		0 & Over	Total
Under 25	21	146	28	1	0	1	0	0	0	0	0	0	0	197
0.5	\$47,560	\$48,350	\$41,855		\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$47,394
25-29	49	677	435	370	180	267	0	0	0	0	0	0	0	1,978
00.04	\$54,249	\$52,285	\$46,093	\$46,275	\$46,932	\$48,789	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$48,889
30-34	34	394	270	282	181	526	0	0	0	0	0	0	0	1,687
25 20	\$54,790 29	\$54,760 178	\$49,610 147	\$49,860 165	\$51,078	\$51,350 273	\$0 0	\$0 0	\$0 0	\$0 0	\$0	\$0 0	\$0 0	\$51,659
35-39		\$55,928	\$49,307		101 \$53,305		\$0	\$0	\$0	\$0	0 \$0	\$0	\$0	893
40-44	\$56,511 16	φοο,926 167	\$49,307 104	\$50,523 89	გეა,ასე 81	\$54,107 237	φυ 52	ֆՍ 224	φυ 46	φυ 0	φυ 0	φυ 0	φυ 0	\$53,005 1,016
40-44		\$54.494	\$51.495		\$51,403		\$69,993		\$76,767	\$0	\$0	\$0	\$0	
45-49	\$52,853 8	ъэ 4,494 109	ֆэт,495 97	\$54,864 87	ъэт,403 88	\$55,060 256	ъб9,993 143	\$77,244 265	\$76,767 266	φυ 21	φυ 0	ο Φ0	φυ 0	\$60,897
45-49	° \$51.301	\$58,290	\$52,292	\$52,573	54,334	\$57,367	\$66,445	\$75,035	\$76,152	\$78,656	\$0	\$0	\$0	1,340 \$65,053
50-54	4 51,301	330,290 100	φυ2,292 71	φυ2,573 82	φ04,334 62	φυ <i>τ</i> ,30 <i>τ</i> 253	φου,443 183	پر 5,035 271	323	φ70,030 181	φυ 22	φυ 0	φ0 0	
50-54	\$62,216	\$55.615	\$54,389	\$58,879	\$54.591	\$57,869	\$67,067	\$73,632	\$74,721	\$77,723	\$79,803	\$0	\$0	1,568 \$67,415
55-59	10	47	53	41	44	175	152	319	387	231	187	φυ 24	0	1,670
55-59	\$64,844	\$64.010	\$52.917	\$58,042	\$59,252	\$59,140	\$67,979	\$72,937	\$74,126	\$77,603	\$77,394	\$83,351	\$0	\$70,948
60-64	404,044	23	23	19	22	ψυυ, 1 4 0 89	79	236	406	205	132	15	0	1,253
00-04	\$55,749	\$68.258	\$59,920	\$57,567	\$71.758	\$65,614	\$68,946	\$73,151	\$75,530	\$75,049	\$77,242	\$74,873	\$0	\$73,235
65-69	0	3	4	φοι,σοι	φη 1,7 30 6	19	18	87	165	62	37	7	0	415
00-03	\$0	\$63,612	\$48,602	\$65,916	\$84,558	\$60,286	\$76,621	\$73,740	\$74,200	\$75,767	\$82,855	\$79,257	\$0	\$74,349
70 & Over	0	2	1	2	φο 1,000	2	6	3	20	12	4	1	0	54
70 0 0101	\$0	\$62,651	*	\$59,928	*	\$57,863	\$62,410	\$73,018	\$74,816	\$76,253	\$67,988	*	\$0	\$70,720
	ΨΟ	Ψ02,001		Ψ00,0 2 0		ψο, σοσ	Ψ02,110	φ10,010	ψ1 1,010	ψ1 0, 2 00	ψοι,σου		ΨΟ	Ψ. Ο,. ΣΟ
Total	191	1,846	1,233	1,145	766	2,098	633	1,405	1,613	712	382	47	0	12,071
· Otal	\$55.133	\$54,115	\$49,134	\$50,571	\$52,426	\$54,669	\$67,848	\$74,239	\$75,024	\$76.747	\$77,911	\$79,806	\$0	\$61,320
	700,.00	, ,	+ 10,101	,00,011	, • _ , · _ •	, 0 1,000	70.,010	7,=50	7.0,021	7. 5,. 11	7,	Ţ. 0,000	7.5	701,020
Average:	Age	44.5	Nu	mber of Pa	rticipants:	Vested	6,062		Males	2,881	Е	arly Retirem	ent Eligible:	1,655
-	Service	10.1				ot Vested	6,009		Females	9,190		mal Retirem	•	445

*Annual Salary omitted for privacy reasons.

Numbers of participants eligible for early and normal retirement are estimates only.

					Age and	Service D	istribution (of Active M	embers					
					(Numbe		s and Avera		Salary)					
							(Continued)							
							TRS Plan 3							
Attained Age							ned Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 25	9	152	35	4	0	0	0	0	0	0	0	0	0	200
	\$46,797	\$47,485	\$42,410	\$39,473	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$46,406
25-29	64	634	437	397	241	503	0	0	0	0	0	0	0	2,276
	\$52,289	\$51,702	\$46,246	\$47,594	\$47,973	\$49,678	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$49,112
30-34	39	353	294	342	316	3,674	552	0	0	0	0	0	0	5,570
	\$61,520	\$54,100	\$50,083	\$50,245	\$51,180	\$55,545	\$61,754	\$0	\$0	\$0	\$0	\$0	\$0	\$55,249
35-39	26	198	189	200	184	2,783	3,617	361	0	0	0	0	0	7,558
	\$66,619	\$55,555	\$52,087	\$53,413	\$53,213	\$58,529	\$67,441	\$77,878	\$0	\$0	\$0	\$0	\$0	\$63,242
40-44	32	176	132	131	135	1,879	2,794	2,605	325	1	0	0	0	8,210
	\$59,405	\$57,544	\$56,517	\$54,212	\$52,693	\$59,710	\$68,509	\$77,856	\$79,834	*	\$0	\$0	\$0	\$68,959
45-49	32	131	106	90	97	1,273	1,604	1,712	1,891	233	0	0	0	7,169
	\$65,859	\$56,568	\$51,058	\$52,089	\$52,585	\$60,054	\$68,591	\$75,940	\$79,128	\$79,809	\$0	\$0	\$0	\$71,059
50-54	10	66	67	75	67	1,047	1,476	1,188	1,561	1,489	262	0	0	7,308
	\$75,767	\$54,711	\$52,878	\$54,819	\$55,881	\$59,497	\$68,347	\$75,460	\$77,931	\$80,212	\$82,779	\$0	\$0	\$72,709
55-59	15	47	33	38	42	768	1,334	1,162	1,377	1,140	1,257	150	0	7,363
	\$79,190	\$63,819	\$63,112	\$55,572	\$55,386	\$60,032	\$68,024	\$75,044	\$76,828	\$77,938	\$79,656	\$83,191	\$0	\$73,612
60-64	8	20	13	24	18	417	845	875	1,037	694	590	116	0	4,657
	\$66,727	\$60,576	\$53,256	\$58,057	\$58,095	\$62,302	\$68,638	\$73,372	\$75,627	\$78,149	\$79,024	\$82,373	\$0	\$73,415
65-69	2	0	2	6	5	97	220	216	246	171	94	17	0	1,076
	\$78,245	\$0	\$46,964	\$56,180	\$67,645	\$65,867	\$69,491	\$74,714	\$74,506	\$78,775	\$79,060	\$83,129	\$0	\$73,778
70 & Over	0	0	1	1	1	13	24	12	17	7	7	1	0	84
	\$0	\$0	*	*	*	\$58,775	\$72,000	\$68,190	\$67,876	\$78,298	\$69,705	*	\$0	\$68,070
Total	237	1,777	1,309	1,308	1,106	12,454	12,466	8,131	6,454	3,735	2,210	284	0	51,471
	\$61,364	\$53,716	\$50,115	\$51,006	\$51,745	\$57,983	\$67,872	\$76,121	\$77,615	\$79,040	\$79,801	\$82,823	\$0	\$67,664
Average:	Age	46.1	Nu	mber of Pa	rticipants:	Vested	35,357		Males	14,886	E	arly Retiren	nent Eligible:	10,829
· ·	Service	13.7				ot Vested	16,114		Females	36,585		•	nent Eligible:	1,141

^{*}Annual Salary omitted for privacy reasons.

	Age and Service Distribution of Active Members													
(Number of Actives and Average Annual Salary)														
(Continued)														
							SERS Plan							
Attained Age							ined Years		20.04	0.5	20.04	0.5.00		T ()
H105	0	1 104	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		0 & Over	Total
Under 25	91	134	56	17	10	10	0	0	0	0	0	0	0	318
05.00	\$20,715 85	\$20,017	\$23,291 149	\$25,968	\$20,451	\$27,465	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,360
25-29		255		103	69	98	1	0	0	0 \$0	0	0	0	760
20.24	\$22,203	\$21,720	\$26,470	\$28,649	\$27,964	\$28,800		\$0 4	\$0	+ -	\$0	\$0	\$0	\$25,131
30-34	107	256 \$22.450	132 \$26.546	93 \$28.859	63 \$28.992	186 \$32.694	54	\$49.770	0 \$0	0 \$0	0	0 \$0	0 \$0	895
35-39	\$20,430 117	324	φ20,540 181	ֆ∠o,oɔ9 146	\$20,992 106	\$3∠,694 236	\$41,898 123	ъ49,770 89	φυ 2	+ -	\$0	φ0 0	* -	\$27,363
35-39	\$18,954		\$26,386	\$29,293	\$26,231	\$28,820	\$35,906	\$37,867	\$20,827	0 \$0	0 \$0	\$0	0	1,324
40-44	\$16,954 166	\$20,797 389	\$20,360 253	φ29,293 214	\$≥6,≥31 180	φ20,020 411	\$35,906 273	φ37,667 204	\$20,62 <i>1</i>	Φ U	φυ 0	φ0 0	\$0 0	\$26,751 2,151
40-44	\$19.392	\$20.139	\$23.841	\$24.644	\$24.923	\$27.858		\$37.737	\$37.671	! *	\$0	\$0	\$0	
45-49	140	ֆ∠0,139 354	\$23,641 260	\$24,644 223	φ24,923 184	φ27,000 526	\$35,200 531	φο <i>τ,τοτ</i> 411	३३७,७७४। 164	41	φU 1	φ0 0	φυ 0	\$26,918
45-49	\$18,316	\$20.159	\$23,216	\$24,277	\$24.176	\$28,224	\$32,187	\$34.790	\$40,157	\$45,724	l *	\$0	\$0	2,835 \$28,338
50-54	116	303	225	φ24,277 221	183	φ20,22 4 521	927	936	407	136	45	φυ 5	0	
50-54	\$18,542	\$21,206	\$25,740	\$24,652	\$25,313	\$27,337	\$28,658	\$31,968	\$36,577	\$42,014	\$52,566	\$45,503	\$0	4,025 \$29,409
55-59	93	242	192	160	150	φ21,331 489	925	1,242	φ30,377 815	209	φ52,500 81	φ 4 5,503 18	0	4,616
33-33	\$17.919	\$24.376	\$24.349	\$25,327	\$24,901	\$25,708	\$28,287	\$30,619	\$31,581	\$38,254	\$46,416	\$59,336	\$0	\$29,323
60-64	φ17,919 62	130	123	90	104	286	φ20,207 527	811	743	337	105	φυθ,υσο 16	0	3,334
00-04	\$18.078	\$21,898	\$25,008	\$23,320	\$25,235	\$26,776	\$29,534	\$29,828	\$31,268	\$38,340	\$44,452	\$46,542	\$0	\$30,217
65-69	21	Ψ21,030 46	39	32	43	113	150	263	225	140	70	10	0	1,152
03-03	\$18,298	\$17.800	\$19,092	\$26,954	\$21,721	\$26,691	\$30,444	\$31,888	\$32,195	\$36,276	\$38,899	\$44,063	\$0	\$30,555
70 & Over	ψ10,230 5	13	15	19	12	35	47	86	58	35	22	3	0	350
70 & OVE	\$17.422	\$18.004	\$17.677	\$18,334	\$18,371	\$19,909	\$23,453	\$28,652	\$29,081	\$32,273	\$33,120	\$30,510	\$0	\$25,871
	Ψ17, 422	ψ10,004	Ψ17,077	ψ10,004	Ψ10,571	ψ13,303	Ψ20, 1 00	Ψ20,002	Ψ29,001	Ψ02,210	ψ55,120	ψ50,510	ΨΟ	Ψ25,011
Total	1,003	2,446	1,625	1,318	1,104	2,911	3,558	4,046	2,474	899	324	52	0	21,760
· Juli	\$19,311	\$21,219	\$24,707	\$25,683	\$25,201	\$27,640	\$30,177	\$31,774	\$33,014	\$38,655	\$44,095	\$49,469	\$0	\$28,620
Average:	Age	51.1	Nu	mber of Pa	•	Vested	13,494		Males	5,134		arly Retireme	•	2,352
	Service	10.8			N	ot Vested	8,266		Females	16,626	Nor	mal Retireme	ent Eligible:	1,264

*Annual Salary omitted for privacy reasons.

Numbers of participants eligible for early and normal retirement are estimates only.

Age and Service Distribution of Active Members														
					(Numbe	r of Active	s and Avera	age Annual	Salary)					
							(Continued)							
							SERS Plan	3						
Attained Age							ned Years o							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 4	10 & Over	Total
Under 25	56	166	57	31	9	8	0	0	0	0	0	0	0	327
	\$19,500	\$20,135	\$21,548	\$24,493	\$19,236	\$30,487	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,914
25-29	95	286	148	121	78	245	4	0	0	0	0	0	0	977
	\$19,964	\$21,574	\$26,042	\$26,852	\$27,189	\$31,847	\$40,719	\$0	\$0	\$0	\$0	\$0	\$0	\$25,851
30-34	71	214	152	132	90	590	143	1	0	0	0	0	0	1,393
	\$18,729	\$22,078	\$26,991	\$28,279	\$26,192	\$32,479	\$35,258	*	\$0	\$0	\$0	\$0	\$0	\$29,114
35-39	92	259	149	137	109	725	291	40	2	0	0	0	0	1,804
	\$18,664	\$21,052	\$23,910	\$28,182	\$24,947	\$30,231	\$37,274	\$44,038	\$59,561	\$0	\$0	\$0	\$0	\$28,801
40-44	121	330	238	231	200	1,237	547	161	62	2	0	0	0	3,129
	\$18,077	\$19,083	\$23,481	\$24,507	\$22,278	\$27,455	\$33,921	\$44,896	\$44,375	\$80,029	\$0	\$0	\$0	\$27,755
45-49	109	299	246	233	211	1,844	1,083	323	208	50	1	0	0	4,607
	\$16,391	\$18,863	\$22,846	\$23,743	\$22,616	\$26,084	\$31,085	\$36,776	\$44,106	\$50,113	*	\$0	\$0	\$27,949
50-54	85	228	207	210	195	2,089	1,697	706	526	175	76	4	0	6,198
	\$17,220	\$20,346	\$21,846	\$22,111	\$20,891	\$26,235	\$29,533	\$32,689	\$40,784	\$50,364	\$56,077	\$42,232	\$0	\$29,371
55-59	65	151	124	128	115	1,462	1,421	1,034	1,063	372	170	28	0	6,133
	\$17,068	\$20,770	\$22,116	\$21,939	\$23,860	\$26,908	\$29,518	\$30,959	\$33,668	\$44,658	\$48,412	\$58,712	\$0	\$30,672
60-64	24	66	47	72	77	886	797	609	977	516	141	21	0	4,233
	\$16,507	\$21,113	\$26,114	\$22,034	\$20,533	\$26,928	\$29,374	\$31,197	\$32,756	\$37,783	\$44,348	\$44,764	\$0	\$30,981
65-69	7	26	12	25	28	341	279	136	288	166	85	10	0	1,403
	\$19,256	\$19,959	\$20,760	\$20,643	\$19,080	\$25,960	\$30,173	\$31,996	\$32,223	\$34,070	\$36,336	\$42,239	\$0	\$29,952
70 & Over	7	11	10	8	10	116	90	19	30	15	14	1	0	331
	\$14,857	\$16,402	\$17,870	\$23,478	\$15,820	\$22,860	\$25,411	\$26,597	\$25,176	\$29,619	\$28,178	*	\$0	\$23,944
Total	732	2,036	1,390	1,328	1,122	9,543	6,352	3,029	3,156	1,296	487	64	0	30,535
	\$18,056	\$20,381	\$23,652	\$24,501	\$22,896	\$27,318	\$30,612	\$32,987	\$35,274	\$41,426	\$45,817	\$50,835	\$0	\$29,195
Average:	Age	50.6	Nu	mber of Pa	rticinante:	Vested	20,282		Males	6,755	_	arly Retirem	ent Fligible:	7,187
Average.	Service	10.7	Nu	insci ori a	•	ot Vested	10,253		Females	23.780		mal Retirem	•	1,564

^{*}Annual Salary omitted for privacy reasons.

					Age and	Service Dis	stribution o	f Active Me	embers					
					(Numbe	r of Actives	and Averaç	ge Annual :	Salary)					
(Continued)														
PSERS Plan 2														
Attained Age							ned Years o							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40		Total
Under 25	38	39	20	8	0	2	0	0	0	0	0	0	0	107
	\$38,683	\$39,163	\$46,903	\$49,335	\$0	\$55,019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$41,496
25-29	85	130	79	45	42	230	0	0	0	0	0	0	0	611
	\$39,439	\$41,583	\$47,665	\$49,893	\$55,098	\$54,254	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$48,382
30-34	50	82	76	44	61	489	0	0	0	0	0	0	0	802
	\$39,673	\$42,911	\$49,034	\$50,879	\$53,239	\$55,354	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$52,099
35-39	19	51	44	37	40	458	0	0	0	0	0	0	0	649
	\$40,559	\$45,211	\$50,562	\$51,333	\$55,326	\$58,911	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$56,078
40-44	33	42	26	35	41	561	0	0	0	0	0	0	0	738
	\$40,962	\$42,832	\$46,511	\$55,606	\$56,814	\$61,585	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$58,516
45-49	19	25	28	29	29	537	0	0	0	0	0	0	0	667
	\$39,865	\$44,690	\$49,231	\$58,148	\$56,197	\$62,812	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$60,419
50-54	11	18	21	20	17	435	0	0	0	0	0	0	0	522
	\$40,742	\$46,962	\$50,899	\$50,948	\$54,410	\$64,403	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$61,919
55-59	4	8	10	11	12	280	0	0	0	0	0	0	0	325
	\$40,236	\$58,434	\$47,581	\$50,353	\$53,529	\$62,822	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$61,202
60-64	1	1	0	4	5	65	0	0	0	0	0	0	0	76
	*	*	\$0	\$56,848	\$48,168	\$58,181	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$57,015
65-69	1	0	1	3	0	11	0	0	0	0	0	0	0	16
	*	\$0	*	\$56,163	\$0	\$53,715	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$53,702
70 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	261	396	305	236	247	3,068	0	0	0	0	0	0	0	4,513
	\$39,789	\$42,989	\$48,666	\$52,454	\$54,826	\$60,266	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$56,075
Average:	Age	40.4	Nu	mber of Pa	rticipants:	Vested	2,784		Males	3,388	Fa	rly Retiremer	nt Eligible:	209
	Service	4.8			•	lot Vested	1,729		Females	1,125		nal Retiremer	•	12

*Annual Salary omitted for privacy reasons.

Numbers of participants eligible for early and normal retirement are estimates only.

				Age and	Service Di	stribution	of Active I	_aw Enforc	ement Off	icers				
(Number of Actives and Average Annual Salary)														
							Continued)							
LEOFF Plan 1														
Attained Age							ed Years o							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-44	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
45-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	0	0	0	0	0	0	0	0	0	2	3	13	0	18
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$76,682	\$78,073	\$88,451	\$0	\$85,414
60-64	0	0	0	0	0	0	0	0	0	2	1	17	7	27
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$82,021	*	\$96,534	\$101,965	\$96,623
65-69	0	0	0	0	0	0	0	0	0	0	0	6	15	21
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$108,720	\$103,788	\$105,197
70 & Over	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	*
Total	0	0	0	0	0	0	0	0	0	4	4	36	23	67
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$79,351	\$81,036	\$95,646	\$103,209	\$96,397
Average:	Age								Males	65			ment Eligible:	
	Service 38.0 Not Ve						0		Females	2	No	rmal Retirer	ment Eligible:	67

^{*}Annual Salary omitted for privacy reasons.

				Ag	ge and Se	rvice Distril	oution of A	ctive Fire F	ighters					
					(Number	of Actives a		Annual S	alary)					
							ontinued)							
							FF Plan 1							
Attained Age							d Years of							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40-44	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
45-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	0	0	0	0	0	0	0	0	0	0	1	21	0	22
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$115,024	\$0	\$115,753
60-64	0	0	0	0	0	0	0	0	0	0	0	30	14	44
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$102,419	\$114,846	\$106,373
65-69	0	0	0	0	0	0	0	0	0	0	1	3	5	9
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$89,270	\$124,519	\$111,676
70 & Over	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	*
Total	0	0	0	0	0	0	0	0	0	0	2	54	20	76
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$122,869	\$106,590	\$116,025	\$109,501
Average:	Age Service	61.3 38.3	Numb	er of Partio	•	Vested ot Vested	76 0		Males Females	76 0			nent Eligible: nent Eligible:	

^{*}Annual Salary omitted for privacy reasons.

				Age ar	nd Service	Distribution	on of Active	Law Enfo	rcement Of	ficers				
					(Numbe		s and Avera	_	Salary)					
							(Continued)							
							EOFF Plan							
Attained Age							ned Years							
	0	1	2		4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 25	25	20	7	0	0	0	0	0	0	0	0	0	0	52
	\$54,455	\$58,993	\$79,863	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$59,621
25-29	82	82	53	43	61	198	0	0	0	0	0	0	0	519
00.04	\$57,855	\$60,910	\$66,635	\$72,571	\$78,977	\$83,268	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$72,631
30-34	40	57	48	73	77	707	89	0	0	0	0	0	0	1,091
25.20	\$57,595	\$64,958	\$70,367	\$78,792	\$80,393 43	\$86,694	\$86,995	\$0 121	\$0	\$0	\$0	\$0	\$0	\$82,825
35-39	25	39	32	34		530	537		0	0	0	0	0	1,361
40.44	\$57,554 23	\$65,380 23	\$72,674	\$79,028 20	\$82,412 28	\$86,048 363	\$91,745 579	\$96,251 674	\$0 127	\$0	\$0	\$0 0	\$0	\$87,483
40-44	\$57,507		21 \$77,162		\$82,099		\$90,665		\$105,782	0 \$0	0 \$0	\$0	0 \$0	1,858
45-49	φο <i>τ</i> ,ου <i>τ</i>	\$63,847	\$77,102	\$72,068	φο2,099 7	\$83,547 153		\$95,883 501	620	ֆՍ 129	φυ 0	ე ზ0	φυ 0	\$90,976
45-49	\$72,096	10 \$60,014	° \$77,919	11 \$82,520	\$73,134	\$84,378	271 \$92,392	\$98.112	\$102,546	\$107,201	\$0	\$0	\$0	1,713 \$97,705
50-54	φ12,090 1	φου,υ14 5	φ <i>11</i> ,919	φο2,520 6	φ/3,134 5	φο 4 ,376 61	φ92,392 123	ъ90,112 199	397	409	φυ 81	φU 1	φυ 0	1,290
50-54	1 *	\$70,847	\$66.748	\$82,112	\$95,635	\$79,085	\$91,232	\$94.504	\$102,196	\$110.032	\$112,354	l *	\$0	\$101,685
55-59	4	φ70,047 0	φου,740 5	φο2,112 5	უ ყე,სეე	φ <i>1</i> 9,065 28	ъэт,232 38	φ94,504 84	134	192	218	26	φυ 0	735
55-59	\$68,858	\$0	_	\$121,683	· *	\$83.484	\$83.741	\$92,065	\$98.747	\$106.422	\$115.393	\$116.968	\$0	\$104,151
60-64	φυσ,συσ	φU 1	φ11,9 44 1	2 کان کانچ	0	φου,404 12	φου, <i>τ</i> 4 1	34	36	63	90	21	φ0 0	274
00-04	\$0	*	*	\$74,439	\$0	\$84,359	\$94,766	\$86,439	\$95,420	\$98,510	\$109,201	\$106,827	\$0	\$99,723
65-69	φ0 0	1	0	φ14,439 0	φυ 0	φ04,309 3	φ94,700 4	φου, 4 39	φ95,420 5	φ90,510 12	9	φ100,02 <i>1</i>	φ0 0	38
03-09	\$0	*	\$0	\$0	\$0	\$69,316	\$80,458	\$74,196	\$68,637	\$97,354	\$100,336	*	\$0	\$88,380
70 & Over	0	0	0	0	0	φυσ,στο	ψου, 1 50	Ψ7-4,130	0	ψ31,334	ψ 100,000	0	0	2
70 & Over	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	*	\$0	\$0	\$117,743
	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ		ΨΟ	ΨΟ	ΨΟ		ΨΟ	ΨΟ	Ψ117,743
Total	203	238	177	194	222	2,055	1,656	1,616	1,319	805	399	49	0	8,933
	\$57,764	\$63,002	\$71,630	\$78,136	\$81,092	\$85,161	\$91,010	\$95,994	\$102,043	\$107,627	\$113,047	\$112,710	\$0	\$92,384
Average:	Age	43.4	Nu	mber of Pa		Vested	7,692		Males	8,085		Early Retirem	_	560
	Service	14.4			N	ot Vested	1,241		Females	848	No	rmal Retirem	ent Eligible:	1,470

^{*}Annual Salary omitted for privacy reasons.

					Age and S	Service Dist	ribution of	Active Fire	Fighters					
					(Numbe	r of Actives	and Avera	ge Annual	Salary)					
(Continued)														
LEOFF Plan 2 Attained Age Attained Years of Service														
Attained Age														
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 25	21	18	6	2	1	0	0	0	0	0	0	0	0	48
	\$57,006	\$60,915	\$63,868	\$77,285	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$59,779
25-29	26	67	70	45	69	173	0	0	0	0	0	0	0	450
	\$60,589	\$62,324	\$71,166	\$73,586	\$80,170	\$86,686	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$76,828
30-34	36	57	57	47	69	543	126	0	0	0	0	0	0	935
	\$58,464	\$62,967	\$70,791	\$78,546	\$82,532	\$90,222	\$95,797	\$0	\$0	\$0	\$0	\$0	\$0	\$85,750
35-39	16	18	29	35	54	404	506	116	0	0	0	0	0	1,178
	\$58,046	\$59,660	\$72,205	\$78,174	\$82,303	\$90,328	\$97,614	\$102,840	\$0	\$0	\$0	\$0	\$0	\$92,607
40-44	8	9	16	12	28	254	522	536	152	1	0	0	0	1,538
	\$56,270	\$61,552	\$71,402	\$81,522	\$81,199	\$90,471	\$98,623	\$104,876	\$108,290	*	\$0	\$0	\$0	\$99,238
45-49	2	5	11	6	14	113	243	380	478	123	0	0	0	1,375
	\$54,002	\$59,306	\$71,874	\$77,208	\$82,978	\$91,247	\$96,538	\$106,251	\$110,269	\$119,233	\$0	\$0	\$0	\$104,974
50-54	3	5	3	5	1	34	116	198	387	346	141	3	0	1,242
	\$110,536	\$75,344	\$95,594	\$106,877	*	\$85,169	\$94,529	\$102,091	\$110,815	\$115,963	\$123,928	\$129,684	\$0	\$109,982
55-59	0	5	3	1	4	13	42	82	177	185	221	18	0	751
	\$0	\$91,783	\$136,552	*	\$120,940	\$101,365	\$96,480	\$101,136	\$106,709	\$116,076	\$124,188	\$130,313	\$0	\$113,503
60-64	1	1	1	1	1	9	21	22	38	36	76	7	0	214
	*	*	*	*	*	\$83,108	\$108,736	\$94,894	\$109,230	\$113,364	\$119,526	\$110,949	\$0	\$109,910
65-69	0	0	0	0	0	0	3	1	6	3	7	2	0	22
	\$0	\$0	\$0	\$0	\$0	\$0	\$104,784	*	\$105,688	\$117,922	\$108,243	\$105,864	\$0	\$109,958
70 & Over	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	*
Total	113	185	196	154	241	1,543	1,579	1,335	1,238	694	446	30	0	7,754
	\$59,736	\$63,084	\$72,325	\$77,896	\$82,357	\$89,910	\$97,542	\$104,315	\$109,634	\$116,416	\$123,046	\$124,102	\$0	\$99,506
Average:	: Age 43.6 Number of Participants: Ves						6,697		Males	7,299	F	Farly Retiren	nent Eligible:	556
,	Service	14.9	140			Not Vested	1,057		Females	455		-	nent Eligible:	1,406

^{*}Annual Salary omitted for privacy reasons.

					Age and	I Service D	istribution	of Active M	embers					
(Number of Actives and Average Annual Salary)														
							(Continued)							
							SPRS Plan							
Attained Age							ned Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40		Total
Under 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-34	0	0	0	0	0	0	5	0	0	0	0	0	0	5
	\$0	\$0	\$0	\$0	\$0	\$0	\$73,638	\$0	\$0	\$0	\$0	\$0	\$0	\$73,638
35-39	0	0	0	0	0	0	64	20	0	0	0	0	0	84
	\$0	\$0	\$0	\$0	\$0	\$0	\$77,737	\$76,477	\$0	\$0	\$0	\$0	\$0	\$77,437
40-44	0	0	0	0	0	0	51	109	36	0	0	0	0	196
	\$0	\$0	\$0	\$0	\$0	\$0	\$76,325	\$80,609	\$89,517	\$0	\$0	\$0	\$0	\$81,131
45-49	0	0	0	0	0	1	23	60	117	17	1	0	0	219
	\$0	\$0	\$0	\$0	\$0	*	\$75,015	\$79,802	\$86,748	\$93,389	*	\$0	\$0	\$84,068
50-54	0	0	0	0	0	1	11	16	42	35	5	0	0	110
	\$0	\$0	\$0	\$0	\$0	*	\$76,842	\$76,231	\$82,103	\$85,169	\$83,442	\$0	\$0	\$81,879
55-59	0	0	0	0	0	0	7	3	3	9	10	0	0	32
	\$0	\$0	\$0	\$0	\$0	\$0	\$71,427	\$76,330	\$70,959	\$77,582	\$84,710	\$0	\$0	\$77,725
60-64	0	0	0	0	0	0	1	3	1	1	4	0	0	10
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$75,931	*	*	\$80,970	\$0	\$0	\$77,300
65-69	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	*
70 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	0	0	0	0	0	2	162	211	199	63	20	0	0	657
	\$0	\$0	\$0	\$0	\$0	\$79,613	\$76,459	\$79,529	\$85,942	\$85,860	\$84,223	\$0	\$0	\$81,465
Average:	Age	45.6	Numb	er of Partic	ipants:	Vested	657		Males	602		ırly Retiremer	•	N/A
	Service	18.9			N	lot Vested	0		Females	55	Norn	nal Retiremer	nt Eligible:	104

*Annual Salary omitted for privacy reasons.

Numbers of participants eligible for early and normal retirement are estimates only.

					Age and	l Service D	istribution o	f Active Me	embers					
					(Numbe	r of Active	s and Avera	ge Annual	Salary)					
							(Continued)							
WSPRS Plan 2														
Attained Age						Atta	ined Years o	f Service						
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40	& Over	Total
Under 25	0	10	10	8	1	0	0	0	0	0	0	0	0	29
	\$0	\$45,485	\$48,124	\$54,517	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$49,262
25-29	1	25	17	18	10	41	0	0	0	0	0	0	0	112
	*	\$48,164	\$53,366	\$56,098	\$58,749	\$66,926	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$58,023
30-34	1	11	5	4	9	83	16	0	0	0	0	0	0	129
	*	\$46,114	\$52,377	\$55,943	\$60,709	\$72,444	\$75,118	\$0	\$0	\$0	\$0	\$0	\$0	\$68,321
35-39	0	1	3	4	2	43	30	0	0	0	0	0	0	83
	\$0	*	\$51,874	\$55,308	\$57,137	\$72,213	\$78,146	\$0	\$0	\$0	\$0	\$0	\$0	\$72,081
40-44	0	1	3	2	0	19	16	0	0	0	0	0	0	41
	\$0	*	\$54,357	\$56,292	\$0	\$71,503	\$75,245	\$0	\$0	\$0	\$0	\$0	\$0	\$70,339
45-49	0	0	0	1	0	5	2	0	0	0	0	0	0	8
	\$0	\$0	\$0	*	\$0	\$68,536	\$71,780	\$0	\$0	\$0	\$0	\$0	\$0	\$68,356
50-54	0	0	2	0	1	3	0	0	0	0	0	0	0	6
	\$0	\$0	\$56,183	\$0	*	\$70,428	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$64,339
55-59	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*
60-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
70 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	2	48	40	37	23	195	64	0	0	0	0	0	0	409
	\$52,721	\$46,958	\$52,035	\$55,786	\$59,431	\$70,990	\$76,465	\$0	\$0	\$0	\$0	\$0	\$0	\$65,058
Average:	Age 32.5 Number of Participants: Volume						257		Males	376	Ea	ırly Retiremer	nt Eligible:	N/A
-	•					lot Vested	152		Females	33	Norm	nal Retiremer	nt Eligible:	1

*Annual Salary omitted for privacy reasons.

Age/Years Retired Distribution

Age and Years Retired Distribution of Service Retired Members (Number of Service Retired Members and Average Monthly Benefit)															
	PERS Plan 1														
Attained Age							ained Years								
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 4	10 & Over	Total	
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
50-54	1	2	2	1	2	7	0	0	0	0	0	0	0	15	
	*	\$2,704	\$4,179	*	\$4,298	\$3,596	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,644	
55-59	46	94	113	100	120	617	46	0	0	0	0	0	0	1,136	
	\$2,977	\$3,356	\$3,503	\$3,218	\$3,406	\$3,021	\$2,776	\$0	\$0	\$0	\$0	\$0	\$0	\$3,143	
60-64	224	477	515	447	388	2,447	893	30	5	0	0	0	0	5,426	
	\$2,763	\$2,450	\$2,692	\$2,482	\$2,761	\$3,024	\$2,853	\$2,414	\$1,648	\$0	\$0	\$0	\$0	\$2,835	
65-69	207	451	622	616	670	3,262	3,146	671	130	0	0	0	0	9,775	
	\$2,549	\$2,170	\$2,525	\$2,347	\$2,330	\$2,244	\$2,662	\$2,493	\$2,052	\$0	\$0	\$0	\$0	\$2,427	
70-74	16	62	94	132	215	2,266	3,416	1,472	734	11	3	0	0	8,421	
	\$2,990	\$2,457	\$2,554	\$2,614	\$2,598	\$2,006	\$1,991	\$2,400	\$2,069	\$2,038	\$1,633	\$0	\$0	\$2,110	
75-79	9	17	29	33	28	380	2,008	2,839	1,441	148	63	0	0	6,995	
	\$2,896	\$3,117	\$2,559	\$2,381	\$1,882	\$2,101	\$1,779	\$1,673	\$1,835	\$2,255	\$1,759	\$0	\$0	\$1,786	
80-84	0	9	5	8	8	59	259	2,028	2,482	378	222	4	0	5,462	
	\$0	\$2,100	\$1,781	\$1,756	\$2,543	\$2,226	\$1,948	\$1,552	\$1,364	\$2,099	\$1,872	\$1,661	\$0	\$1,546	
85-89	0	1	1	2	1	20	57	250	1,626	1,657	759	60	5	4,439	
	\$0	*	*	\$989	*	\$2,391	\$1,856	\$1,707	\$1,271	\$1,104	\$1,357	\$1,729	\$482	\$1,266	
90-94	0	0	1	0	0	6	14	37	147	919	1,178	101	11	2,414	
	\$0	\$0	*	\$0	\$0	\$2,245	\$2,123	\$1,775	\$1,448	\$1,073	\$958	\$1,749	\$1,362	\$1,090	
95 & Over	0	0	0	0	0	0	3	5	9	55	389	267	39	767	
	\$0	\$0	\$0	\$0	\$0	\$0	\$1,448	\$1,394	\$1,275	\$1,046	\$859	\$905	\$1,051	\$909	
Total	503	1,113	1,382	1,339	1,432	9,064	9,842	7,332	6,574	3,168	2,614	432	55	44,850	
	\$2,706	\$2,420	\$2,671	\$2,479	\$2,571	\$2,443	\$2,242	\$1,865	\$1,538	\$1,270	\$1,157	\$1,224	\$1,061	\$2,015	

Average: 74.3 Age Years Retired 14.5

Males 20,485 Females 24,365

*Monthly benefit omitted for privacy reasons.

								ired Membe					
			(Numbe	r of Servic	e Retired N	lembers an	d Average I	Monthly Be	nefit)				
					,								
		2											Total
_		1	•	_				_	-				
•	\$0	*							•				
	1		-	•		_	_	_	•		•		3
•													\$93
					_	•	_	•	•		•		488
						\$0			+ -				\$2,236
						1		-	_		_		1,991
									* -				\$2,254
•	•	•						_	•		_		9,630
									+ -		+ -		\$1,533
					- , -			•	Ü		•		7,455
								\$ 0	•		• -		\$1,249
						•		! *	•		_		4,430
								0	• -				\$1,039 2,325
_	_						•	_	•		_	-	\$834
φ1,552 1	, ,		φ1,071 1				* -		* -				847
*		•	! *						_		_		\$693
0	+ , -		0						* -	ΨU 1			184
_		•	_	_						*	•		\$552
•							1			0			16
•	-	•	•	•		_	*	•	•		•		\$488
ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	Ψ201		ΨΟΟΟ	ΨΟΟΟ	ΨΟ	ΨΟ	ΨΟ	Ψ-400
1,793	3,418	3,020	2,608	2,137	7,444	4,262	2,028	557	102	1	0	0	27,370
\$1,915	\$1,664	\$1,706	\$1,628		\$1,228	\$958	\$785	\$619	\$459	*	\$0	\$0	\$1,348
	0 0 \$0 0 \$0 129 \$2,784 365 \$2,607 1,164 \$1,640 109 \$1,677 20 \$1,110 5 \$1,552 1 * 0 \$0 0 \$0 1,793 \$1,915	0 0 \$0 \$0 0 1 \$0 * 129 165 \$2,784 \$1,977 365 593 \$2,607 \$2,393 1,164 2,365 \$1,640 \$1,479 109 231 \$1,677 \$1,504 20 52 \$1,110 \$1,596 5 9 \$1,552 \$1,090 1 2 * \$1,647 0 0 \$0 \$0 \$0 \$0	0 0 1 \$0 \$0 * 0 1 0 \$0 * \$0 \$129 165 109 \$2,784 \$1,977 \$2,195 365 593 465 \$2,607 \$2,393 \$2,362 1,164 2,365 2,079 \$1,640 \$1,479 \$1,572 109 231 292 \$1,677 \$1,504 \$1,521 20 52 60 \$1,110 \$1,596 \$1,422 5 9 10 \$1,552 \$1,090 \$1,503 1 2 4 * \$1,647 \$693 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	0 1 2 3 0 0 1 0 \$0 \$0 * \$0 0 1 0 2 \$0 * \$0 \$112 129 165 109 58 \$2,784 \$1,977 \$2,195 \$2,211 365 593 465 237 \$2,607 \$2,393 \$2,362 \$2,329 1,164 2,365 2,079 1,799 \$1,640 \$1,479 \$1,572 \$1,532 109 231 292 431 \$1,677 \$1,504 \$1,521 \$1,651 20 52 60 66 \$1,110 \$1,596 \$1,422 \$1,264 5 9 10 14 \$1,552 \$1,090 \$1,503 \$1,071 1 2 4 1 * \$1,647 \$693 * 0 0 0 <	0 1 2 3 4 0 0 1 0 0 \$0 \$0 * \$0 \$0 0 1 0 2 0 \$0 * \$0 \$112 \$0 129 165 109 58 24 \$2,784 \$1,977 \$2,195 \$2,211 \$1,559 365 593 465 237 140 \$2,607 \$2,393 \$2,362 \$2,329 \$1,879 1,164 2,365 2,079 1,799 1,288 \$1,640 \$1,479 \$1,572 \$1,532 \$1,481 109 231 292 431 600 \$1,677 \$1,504 \$1,521 \$1,651 \$1,415 20 52 60 66 69 \$1,110 \$1,596 \$1,422 \$1,264 \$1,422 5 9 10 14 13 \$1,552 </td <td>Atta 0 1 2 3 4 5-9 0 0 1 0 0 0 \$0 \$0 * \$0 \$0 \$0 \$0 1 0 2 0 0 \$0 * \$0 \$112 \$0 \$0 \$129 165 109 58 24 3 \$2,784 \$1,977 \$2,195 \$2,211 \$1,559 \$247 365 593 465 237 140 190 \$2,607 \$2,393 \$2,362 \$2,329 \$1,879 \$1,072 \$1,164 2,365 2,079 \$1,799 \$1,288 847 \$1,640 \$1,479 \$1,572 \$1,532 \$1,481 \$1,609 \$1,677 \$1,504 \$1,521 \$1,651 \$1,415 \$1,177 20 52 60 66 69 828 \$1,110 \$1,596 \$1,422<</td> <td> Continued PERS Plan 2</td> <td> Continued PERS Plan 2 Attained Years Retired </td> <td> Continued PERS Plan 2 Attained Years Retired </td> <td> Personal P</td> <td> Continued PERS Plan 2</td> <td> Continued PERS Plan 2 S</td> <td> Continued PERS Plan 2 Continued PERS</td>	Atta 0 1 2 3 4 5-9 0 0 1 0 0 0 \$0 \$0 * \$0 \$0 \$0 \$0 1 0 2 0 0 \$0 * \$0 \$112 \$0 \$0 \$129 165 109 58 24 3 \$2,784 \$1,977 \$2,195 \$2,211 \$1,559 \$247 365 593 465 237 140 190 \$2,607 \$2,393 \$2,362 \$2,329 \$1,879 \$1,072 \$1,164 2,365 2,079 \$1,799 \$1,288 847 \$1,640 \$1,479 \$1,572 \$1,532 \$1,481 \$1,609 \$1,677 \$1,504 \$1,521 \$1,651 \$1,415 \$1,177 20 52 60 66 69 828 \$1,110 \$1,596 \$1,422<	Continued PERS Plan 2	Continued PERS Plan 2 Attained Years Retired	Continued PERS Plan 2 Attained Years Retired	Personal P	Continued PERS Plan 2	Continued PERS Plan 2 S	Continued PERS Plan 2 Continued PERS

Females

12,354

15,016

Average: Age 71.5 6.4

Years Retired

*Monthly benefit omitted for privacy reasons.

				Age an	d Years R	etired Dist	ribution of	Service Ret	ired Membe	ers				
				(Number	of Service	Retired M	lembers and	d Average I	Monthly Bei	nefit)				
						(0	Continued)							
							ERS Plan 3							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40		Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	24	20	15	11	9	0	0	0	0	0	0	0	0	79
	\$1,110	\$1,146	\$1,000	\$763	\$642	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$997
60-64	65	104	94	46	39	76	0	0	0	0	0	0	0	424
	\$1,011	\$979	\$986	\$811	\$757	\$415	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$846
65-69	108	180	165	139	127	227	36	0	0	0	0	0	0	982
	\$893	\$814	\$833	\$935	\$725	\$540	\$365	\$0	\$0	\$0	\$0	\$0	\$0	\$752
70-74	6	17	15	13	25	268	45	0	0	0	0	0	0	389
	\$377	\$682	\$854	\$735	\$665	\$706	\$561	\$0	\$0	\$0	\$0	\$0	\$0	\$687
75-79	1	3	1	1	2	22	11	0	0	0	0	0	0	41
	*	\$353	*	*	\$673	\$566	\$969	\$0	\$0	\$0	\$0	\$0	\$0	\$656
80-84	0	2	1	0	0	3	1	0	0	0	0	0	0	7
	\$0	\$442	*	\$0	\$0	\$903	*	\$0	\$0	\$0	\$0	\$0	\$0	\$570
85-89	0	0	0	0	0	3	0	0	0	0	0	0	0	3
	\$0	\$0	\$0	\$0	\$0	\$250	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	204	326	291	210	202	599	93	0	0	0	0	0	0	1,925
	\$938	\$873	\$890	\$883	\$720	\$600	\$530	\$0	\$0	\$0	\$0	\$0	\$0	\$766

Average: Age 66.7 Years Retired 3.9 Males 1,034 Females 891

Defined benefit portion only.

^{*}Monthly benefit omitted for privacy reasons.

				Age a	nd Years F	Retired Dis	tribution of	Service Re	tired Memb	ers				
				(Numbe	r of Servic			nd Average	Monthly Be	enefit)				
						,	Continued)							
							TRS Plan 1							
Attained Age							ained Years		00.04	0.5	00.04	0 = 00	40.0.0	T ()
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	2	33	24	31	53	154	0	0	0	0	0	0	0	297
	\$3,361	\$3,514	\$2,923	\$3,310	\$3,220	\$3,249	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,254
60-64	25	347	428	377	328	2,071	541	0	0	0	0	0	0	4,117
	\$2,199	\$3,060	\$2,852	\$2,866	\$2,565	\$2,867	\$2,711	\$0	\$0	\$0	\$0	\$0	\$0	\$2,833
65-69	14	249	316	430	305	3,104	3,551	524	115	0	0	0	0	8,608
	\$3,308	\$3,103	\$3,082	\$3,115	\$2,727	\$2,174	\$2,305	\$2,161	\$1,747	\$0	\$0	\$0	\$0	\$2,350
70-74	3	37	39	74	68	1,020	2,798	2,020	738	0	0	0	0	6,797
	\$3,090	\$3,265	\$3,282	\$3,072	\$2,815	\$2,423	\$1,840	\$2,160	\$1,993	\$0	\$0	\$0	\$0	\$2,079
75-79	3	1	4	8	9	125	750	2,085	1,762	123	38	0	0	4,908
	\$4,366	*	\$2,664	\$3,616	\$3,688	\$2,625	\$2,106	\$1,807	\$2,031	\$2,030	\$1,507	\$0	\$0	\$1,967
80-84	0	2	1	2	2	12	81	721	1,899	718	306	0	0	3,744
	\$0	\$4,943	*	\$1,347	\$5,109	\$2,745	\$2,053	\$2,081	\$1,720	\$1,856	\$1,706	\$0	\$0	\$1,829
85-89	0	1	0	0	0	4	7	77	582	998	768	19	0	2,456
	\$0	*	\$0	\$0	\$0	\$2,197	\$2,449	\$1,953	\$1,711	\$1,380	\$1,595	\$1,661	\$0	\$1,552
90-94	0	0	0	0	0	0	1	8	63	275	676	137	1	1,161
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$1,968	\$1,693	\$1,470	\$1,262	\$1,594	*	\$1,380
95 & Over	0	0	0	0	0	0	0	0	5	19	161	221	53	459
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,949	\$1,246	\$1,431	\$1,308	\$1,308	\$1,356
Total	47	670	812	922	765	6,490	7,729	5,435	5,164	2,133	1,949	377	54	32,547
	\$2,774	\$3,121	\$2,964	\$3,017	\$2,717	\$2,469	\$2,143	\$2,011	\$1,865	\$1,588	\$1,482	\$1,430	\$1,313	\$2,136

Average: Age 73.4 Years Retired 14.9 Males 13,742 Females 18,805

^{*}Monthly benefit omitted for privacy reasons.

				Age a	nd Years F	Retired Dis	tribution of	Service Re	tired Memb	ers				
				(Numbe	r of Servic	e Retired I	Members ar	nd Average	Monthly Be	nefit)				
						((Continued)							
							TRS Plan 2							
Attained Age							ained Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	3	14	9	4	6	0	0	0	0	0	0	0	0	36
	\$2,728	\$2,160	\$2,913	\$2,152	\$1,886	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,349
60-64	8	83	57	25	12	26	0	0	0	0	0	0	0	211
	\$2,587	\$2,354	\$2,171	\$1,963	\$1,741	\$1,159	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,085
65-69	68	293	272	256	153	143	12	0	0	0	0	0	0	1,197
	\$1,466	\$1,809	\$1,839	\$1,835	\$1,825	\$1,841	\$864	\$0	\$0	\$0	\$0	\$0	\$0	\$1,798
70-74	0	18	36	29	56	772	66	7	0	0	0	0	0	984
	\$0	\$2,414	\$2,300	\$1,940	\$2,204	\$1,578	\$1,244	\$900	\$0	\$0	\$0	\$0	\$0	\$1,639
75-79	1	3	3	7	2	85	401	23	2	0	0	0	0	527
	*	\$2,303	\$1,914	\$1,989	\$2,319	\$1,798	\$1,329	\$1,296	\$466	\$0	\$0	\$0	\$0	\$1,423
80-84	0	0	0	2	0	3	38	153	5	0	0	0	0	201
	\$0	\$0	\$0	\$165	\$0	\$2,217	\$1,565	\$1,189	\$759	\$0	\$0	\$0	\$0	\$1,255
85-89	0	0	0	0	0	3	6	15	29	0	0	0	0	53
	\$0	\$0	\$0	\$0	\$0	\$1,675	\$1,302	\$1,246	\$981	\$0	\$0	\$0	\$0	\$1,132
90-94	0	0	0	0	0	0	2	2	3	3	0	0	0	10
	\$0	\$0	\$0	\$0	\$0	\$0	\$1,091	\$1,269	\$960	\$552	\$0	\$0	\$0	\$926
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	80	411	377	323	229	1,032	525	200	39	3	0	0	0	3,219
	\$1,633	\$1,961	\$1,960	\$1,851	\$1,919	\$1,624	\$1,324	\$1,197	\$925	\$552	\$0	\$0	\$0	\$1,665

Females

833

2,386

Age Years Retired *Monthly benefit omitted for privacy reasons.

71.0

6.4

Average:

				Age a	nd Years R	etired Dist	ribution of	Service Re	tired Membe	ers				
				(Numbe	r of Servic	e Retired N	lembers an	d Average	Monthly Bei	nefit)				
						(Continued)							
							RS Plan 3							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 4		Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	7	67	34	25	7	0	0	0	0	0	0	0	0	140
	\$702	\$1,248	\$1,050	\$963	\$700	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,094
60-64	45	240	205	92	52	106	0	0	0	0	0	0	0	740
	\$1,191	\$1,226	\$1,148	\$1,099	\$1,081	\$597	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,086
65-69	138	634	532	444	260	385	82	0	0	0	0	0	0	2,475
	\$1,017	\$1,021	\$1,004	\$1,019	\$992	\$748	\$361	\$0	\$0	\$0	\$0	\$0	\$0	\$949
70-74	1	35	30	51	68	681	135	21	0	0	0	0	0	1,022
	*	\$1,166	\$971	\$929	\$826	\$846	\$566	\$374	\$0	\$0	\$0	\$0	\$0	\$817
75-79	0	2	2	4	7	40	77	11	0	0	0	0	0	143
	\$0	\$918	\$808	\$634	\$413	\$795	\$692	\$645	\$0	\$0	\$0	\$0	\$0	\$707
80-84	0	0	0	0	0	4	2	1	0	0	0	0	0	7
	\$0	\$0	\$0	\$0	\$0	\$558	\$774	*	\$0	\$0	\$0	\$0	\$0	\$683
85-89	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	*
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	191	978	803	616	394	1,216	297	33	0	0	0	0	0	4,528
	\$1,044	\$1,091	\$1,041	\$1,019	\$959	\$791	\$543	\$483	\$0	\$0	\$0	\$0	\$0	\$938

Average: Age 67.3 Years Retired 3.9 Males 1,302 Females 3,226

Defined benefit portion only.

^{*}Monthly benefit omitted for privacy reasons.

				Age a	nd Years F	Retired Dist	ribution of	Service Ret	tired Membe	ers				
				(Numbe	r of Servic	e Retired N	lembers an	d Average I	Monthly Be	nefit)				
						(1	Continued)							
							ERS Plan 2							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	9	17	9	4	4	0	0	0	0	0	0	0	0	43
	\$1,094	\$959	\$746	\$1,067	\$777	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$936
60-64	34	82	60	26	16	32	0	0	0	0	0	0	0	250
	\$1,311	\$1,244	\$928	\$815	\$1,004	\$516	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,024
65-69	140	476	390	334	232	194	13	0	0	0	0	0	0	1,779
	\$890	\$970	\$915	\$819	\$779	\$865	\$546	\$0	\$0	\$0	\$0	\$0	\$0	\$884
70-74	12	56	73	90	121	1,177	85	0	0	0	0	0	0	1,614
	\$1,114	\$896	\$933	\$887	\$785	\$764	\$876	\$0	\$0	\$0	\$0	\$0	\$0	\$793
75-79	2	16	23	21	24	245	417	0	0	0	0	0	0	748
	\$496	\$813	\$801	\$658	\$719	\$680	\$685	\$0	\$0	\$0	\$0	\$0	\$0	\$690
80-84	1	6	5	6	8	52	67	0	0	0	0	0	0	145
	*	\$881	\$944	\$569	\$619	\$592	\$536	\$0	\$0	\$0	\$0	\$0	\$0	\$606
85-89	0	1	0	2	3	11	16	0	0	0	0	0	0	33
	\$0	*	\$0	\$457	\$520	\$380	\$445	\$0	\$0	\$0	\$0	\$0	\$0	\$428
90-94	0	0	0	0	0	2	0	0	0	0	0	0	0	2
	\$0	\$0	\$0	\$0	\$0	\$1,550	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,550
95 & Over	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*
Total	198	654	560	483	408	1,714	598	0	0	0	0	0	0	4,615
	\$991	\$992	\$912	\$822	\$781	\$752	\$686	\$0	\$0	\$0	\$0	\$0	\$0	\$817

Females

1,345

3,270

Average: Age 70.6
Years Retired 5.0

*Monthly benefit omitted for privacy reasons.

880

2,913

				Age an	d Years R	etired Dist	ribution of	Service Ret	ired Membe	ers		_		
				(Number	of Service	Retired N	lembers an	d Average I	Monthly Be	nefit)				
							Continued)							
							ERS Plan 3							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	8	9	10	8	4	0	0	0	0	0	0	0	0	39
	\$744	\$359	\$548	\$313	\$476	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$489
60-64	61	157	99	52	20	85	0	0	0	0	0	0	0	474
	\$542	\$450	\$455	\$509	\$272	\$255	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$427
65-69	161	451	412	329	192	405	41	0	0	0	0	0	0	1,991
	\$515	\$453	\$484	\$494	\$426	\$343	\$160	\$0	\$0	\$0	\$0	\$0	\$0	\$440
70-74	10	41	65	75	54	691	136	0	0	0	0	0	0	1,072
	\$499	\$370	\$396	\$434	\$443	\$406	\$278	\$0	\$0	\$0	\$0	\$0	\$0	\$392
75-79	1	7	7	9	7	61	93	0	0	0	0	0	0	185
	*	\$188	\$284	\$264	\$260	\$322	\$382	\$0	\$0	\$0	\$0	\$0	\$0	\$341
80-84	1	0	0	3	2	7	13	0	0	0	0	0	0	26
	*	\$0	\$0	\$287	\$123	\$229	\$247	\$0	\$0	\$0	\$0	\$0	\$0	\$243
85-89	0	0	0	1	0	1	3	0	0	0	0	0	0	5
	\$0	\$0	\$0	*	\$0	*	\$324	\$0	\$0	\$0	\$0	\$0	\$0	\$259
90-94	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	242	665	593	477	279	1,251	286	0	0	0	0	0	0	3,793
	\$528	\$443	\$468	\$477	\$413	\$370	\$294	\$0	\$0	\$0	\$0	\$0	\$0	\$419

Average: Age 68.3 Males Years Retired 4.2 Females

Defined benefit portion only.

^{*}Monthly benefit omitted for privacy reasons.

				Age an	d Years Re	etired Dist	ribution of	Service Ret	ired Membe	ers				
				(Number	of Service	Retired M	embers and	d Average I	Monthly Bei	nefit)				
						(0	Continued)							
							ERS Plan 2							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		0 & Over	Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	3	1	0	2	0	0	0	0	0	0	0	0	0	6
	\$573	-	\$0	\$264	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$462
60-64	4	3	6	2	2	0	0	0	0	0	0	0	0	17
0.7.00	\$706	\$626	\$453	\$181	\$249	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$487
65-69	2	4	4	1	0	0	0	0	0	0	0	0	0	11
70.74	\$382	\$281	\$175		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$266
70-74	0	0	1	0	0	1	0	0	0	0	0	0	0	£470
75-79	\$0 0	\$0 0	0	\$0 0	\$0 0	0	\$0 0	\$0 0	\$0 0	\$0 0	\$0 0	\$0 0	\$0 0	\$179
75-79	\$0	\$0	\$0	\$0	\$0	\$ 0	\$ 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
80-84	φυ 0	φυ 0	φυ 0	φυ 0	φυ 0	φυ 0	φυ -	φυ 0	φ0 0	φυ 0	φυ 0	φυ 0	φυ 0	\$ 0
00-04	\$0	\$0	\$ 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	40
03-03	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00 0-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00 0.010.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	+3	+-	+-		~~	~~	~~	~~	~~	~~	+ •	+ •	40	70
Total	9	8	11	5	2	1	0	0	0	0	0	0	0	36
	\$590	\$441	\$338	\$246	\$249	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$398

Average: Age 63.5 Years Retired 1.7 Males 21 Females 15

^{*}Monthly benefit omitted for privacy reasons.

			Age						v Enforcem		S			
				(Numbe	r of Servic			nd Average	Monthly Be	enefit)				
						,	Continued) EOFF Plan	4						
Attained Age							ined Years							
Attailled Age	0	4	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	Tota
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	1018
Officer 50	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	4
00-04	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
55-59	Ψ0	φο 6	4	ψ0 5	0	17	0	0	0	0	0	0	0	3
	*	\$5,687	\$5.147	\$7,116	\$0	\$4,960	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,51
60-64	6	11	16	12	17	112	107	0	0	0	0	0	0	28
• • • • • • • • • • • • • • • • • • • •	\$6,976	\$6,659	\$7,310	\$6,572	\$6,381	\$5,096	\$4,077	\$0	\$0	\$0	\$0	\$0	\$0	\$5,07
65-69	2	4	5	4	9	105	168	194	0	0	0	0	0	49
	\$6,722	\$6.917	\$9,550	\$5,518	\$5,589	\$5,546	\$4,774	\$3,438	\$0	\$0	\$0	\$0	\$0	\$4,50
70-74	0	0	4	1	4	25	65	137	117	0	0	0	0	35
	\$0	\$0	\$6,112	*	\$7,511	\$5,696	\$5,035	\$4,230	\$3,305	\$0	\$0	\$0	\$0	\$4,24
75-79	0	1	2	0	0	2	9	46	84	95	0	0	0	23
	\$0	*	\$7,814	\$0	\$0	\$8,458	\$4,669	\$4,917	\$3,991	\$3,395	\$0	\$0	\$0	\$4,05
80-84	0	0	0	0	0	0	4	8	20	52	70	0	0	15
	\$0	\$0	\$0	\$0	\$0	\$0	\$5,646	\$4,888	\$5,107	\$3,637	\$2,934	\$0	\$0	\$3,62
85-89	0	0	0	0	0	0	0	0	12	15	43	37	0	10
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,047	\$4,321	\$3,999	\$3,705	\$0	\$3,94
90-94	0	0	0	0	0	0	0	0	0	0	9	13	9	3
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,774	\$4,231	\$3,043	\$3,75
95 & Over	0	0	0	0	0	0	0	0	0	0	1	1	0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	*	\$0	\$4,64
Total	9	22	31	22	30	261	353	385	233	162	123	51	9	1,69
	\$6,962	\$6,561	\$7,270	\$6,568	\$6,294	\$5,351	\$4,618	\$3,927	\$3,745	\$3,558	\$3,395	\$3,825	\$3,043	\$4,37

 Average:
 Age
 71.4
 Males
 1,643

 Years Retired
 17.0
 Females
 48

^{*}Monthly benefit omitted for privacy reasons.

				Age and	l Years Re	tired Distri	bution of S	ervice Reti	red Fire Fig	hters				
				(Numbe	r of Servic	e Retired N	lembers ar	nd Average	Monthly Be	enefit)				
						(Continued)	Ĭ	•					
							EOFF Plan							
Attained Age						Atta	ained Years	Retired						
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	3	5	11	6	2	14	0	0	0	0	0	0	0	41
	\$9,017	\$7,039	\$6,787	\$7,402	\$5,813	\$5,636	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,630
60-64	3	15	16	11	17	77	47	0	0	0	0	0	0	186
	\$7,524	\$7,751	\$7,191	\$7,926	\$6,544	\$5,875	\$4,243	\$0	\$0	\$0	\$0	\$0	\$0	\$5,936
65-69	3	8	12	6	7	90	101	60	0	0	0	0	0	287
	\$6,392	\$7,035	\$6,793	\$6,901	\$6,733	\$6,154	\$4,781	\$3,413	\$0	\$0	\$0	\$0	\$0	\$5,182
70-74	0	2	3	3	0	13	29	68	47	0	0	0	0	165
	\$0	\$8,699	\$10,522	\$7,404	\$0	\$6,676	\$5,209	\$4,298	\$3,312	\$0	\$0	\$0	\$0	\$4,588
75-79	0	0	1	0	1	1	3	33	34	39	0	0	0	112
	\$0	\$0	*	\$0	*	*	\$5,299	\$5,141	\$4,747	\$2,998	\$0	\$0	\$0	\$4,343
80-84	0	0	0	0	0	0	1	4	13	45	30	0	0	93
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$6,002	\$4,901	\$4,120	\$3,186	\$0	\$0	\$4,020
85-89	0	0	0	0	0	0	0	1	3	15	25	15	0	59
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$5,580	\$4,046	\$4,143	\$3,300	\$0	\$3,974
90-94	0	0	0	0	0	0	0	0	0	0	7	5	6	18
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,260	\$3,628	\$3,556	\$4,239
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	2	2
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,917	\$3,917
Total	9	30	43	26	27	195	181	166	97	99	62	20	8	963
	\$7,644	\$7,505	\$7,198	\$7,508	\$6,606	\$6,048	\$4,720	\$4,185	\$4,098	\$3,667	\$3,806	\$3,382	\$3,646	\$4,983

Females

959

4

Average: Age 70.8
Years Retired 15.1

*Monthly benefit omitted for privacy reasons.

			Age	and Years	Retired D	istribution	of Service	Retired Law	Enforcem	ent Officers				
				(Numbe	r of Servic	e Retired N	lembers ar	id Average I	Monthly Be	nefit)				
							Continued)							
							EOFF Plan							
Attained Age							ained Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	31	55	12	9	6	0	0	0	0	0	0	0	0	113
	\$3,330	\$2,883	\$3,435	\$3,038	\$3,636	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,117
55-59	43	68	96	95	66	149	0	0	0	0	0	0	0	517
	\$4,576	\$4,301	\$3,846	\$3,679	\$2,957	\$2,960	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,567
60-64	32	44	49	47	25	257	40	0	0	0	0	0	0	494
	\$4,188	\$3,808	\$3,609	\$3,644	\$3,613	\$2,756	\$1,770	\$0	\$0	\$0	\$0	\$0	\$0	\$3,075
65-69	10	9	28	15	14	80	76	1	0	0	0	0	0	233
	\$4,055	\$3,612	\$2,590	\$3,478	\$2,894	\$2,702	\$1,638	*	\$0	\$0	\$0	\$0	\$0	\$2,492
70-74	3	2	2	3	3	24	32	12	0	0	0	0	0	81
	\$3,040	\$2,690	\$1,990	\$3,826	\$1,460	\$2,414	\$1,513	\$1,034	\$0	\$0	\$0	\$0	\$0	\$1,890
75-79	0	0	0	0	0	5	7	5	3	0	0	0	0	20
	\$0	\$0	\$0	\$0	\$0	\$2,098	\$1,642	\$1,070	\$615	\$0	\$0	\$0	\$0	\$1,459
80-84	0	0	0	0	0	0	1	4	1	0	0	0	0	6
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$1,539	*	\$0	\$0	\$0	\$0	\$1,219
85-89	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	*
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	119	178	187	169	114	515	156	22	4	1	0	0	0	1,465
	\$4,064	\$3,688	\$3,550	\$3,620	\$3,089	\$2,784	\$1,636	\$1,161	\$725	*	\$0	\$0	\$0	\$3,062

1,340

125

Average: Age Years Retired 61.1 5.0 Females

^{*}Monthly benefit omitted for privacy reasons.

				Age and	l Years Re	tired Distri	ibution of S	ervice Retir	ed Fire Figh	nters				
				(Numbe	r of Servic	e Retired I	Members ar	nd Average l	Monthly Be	nefit)				
						((Continued)							
							EOFF Plan							
Attained Age							ained Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	19	20	4	2	1	0	0	0	0	0	0	0	0	46
	\$4,490	\$4,195	\$3,994	\$3,316	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,228
55-59	46	70	63	41	41	47	0	0	0	0	0	0	0	308
	\$4,896	\$4,895	\$4,642	\$3,881	\$3,479	\$2,999	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,231
60-64	38	38	46	38	19	126	12	0	0	0	0	0	0	317
	\$4,612	\$4,502	\$4,713	\$4,238	\$3,339	\$3,110	\$2,389	\$0	\$0	\$0	\$0	\$0	\$0	\$3,811
65-69	5	13	10	8	8	44	33	0	0	0	0	0	0	121
	\$3,464	\$3,497	\$4,225	\$3,771	\$3,988	\$2,995	\$2,505	\$0	\$0	\$0	\$0	\$0	\$0	\$3,153
70-74	0	1	3	5	1	18	13	3	0	0	0	0	0	44
	\$0	*	\$2,855	\$2,041	*	\$2,358	\$1,897	\$1,227	\$0	\$0	\$0	\$0	\$0	\$2,051
75-79	0	0	0	0	0	2	8	7	6	0	0	0	0	23
	\$0	\$0	\$0	\$0	\$0	\$2,535	\$1,825	\$1,336	\$930	\$0	\$0	\$0	\$0	\$1,504
80-84	0	0	0	0	0	0	2	1	2	1	0	0	0	6
	\$0	\$0	\$0	\$0	\$0	\$0	\$1,652	*	\$652	*	\$0	\$0	\$0	\$1,402
85-89	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	*
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	108	142	126	94	70	237	68	11	9	1	0	0	0	866
	\$4,658	\$4,532	\$4,571	\$3,906	\$3,441	\$3,005	\$2,263	\$1,454	\$796	*	\$0	\$0	\$0	\$3,719

Average: Age 61.4 Years Retired 4.4 Males 824 Females 42

^{*}Monthly benefit omitted for privacy reasons.

				Age a	nd Years F	Retired Dis	tribution of	Service Re	tired Memb	ers				
				(Numbe	r of Servic	e Retired I	lembers ar	nd Average	Monthly Be	nefit)				
						•	Continued)							
							SPRS Plan							
Attained Age							ained Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	8	6	6	3	0	0	0	0	0	0	0	0	0	23
	\$3,938	\$4,142	\$4,209	\$4,998	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,200
50-54	14	22	24	15	1	2	0	0	0	0	0	0	0	78
	\$3,943	\$4,387	\$4,485	\$4,723	*	\$3,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,391
55-59	7	7	13	13	7	57	7	0	0	0	0	0	0	111
	\$5,278	\$4,669	\$3,536	\$4,478	\$4,498	\$4,320	\$4,414	\$0	\$0	\$0	\$0	\$0	\$0	\$4,346
60-64	1	6	3	5	2	39	58	25	0	0	0	0	0	139
	*	\$3,747	\$1,761	\$5,590	\$6,571	\$4,540	\$4,513	\$3,896	\$0	\$0	\$0	\$0	\$0	\$4,374
65-69	3	1	0	0	1	19	59	76	18	0	0	0	0	177
	\$3,806	*	\$0	\$0	*	\$3,863	\$4,621	\$3,949	\$3,741	\$0	\$0	\$0	\$0	\$4,132
70-74	0	0	0	0	0	0	23	62	63	5	0	0	0	153
	\$0	\$0	\$0	\$0	\$0	\$0	\$4,679	\$4,514	\$3,796	\$3,168	\$0	\$0	\$0	\$4,199
75-79	0	0	0	0	0	0	0	7	40	23	4	0	0	74
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,850	\$3,851	\$3,800	\$2,709	\$0	\$0	\$3,868
80-84	0	0	0	0	0	0	0	0	5	21	18	0	0	44
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,245	\$3,446	\$2,945	\$0	\$0	\$3,446
85-89	0	0	0	0	0	0	0	0	0	4	10	1	1	16
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,880	\$3,520	*	*	\$3,118
90-94	0	0	0	0	0	0	0	0	0	0	0	2	0	2
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,901	\$0	\$2,901
95 & Over	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	*
Total	33	42	46	36	11	117	147	170	126	53	32	4	1	818
	\$4,180	\$4,241	\$4,003	\$4,778	\$4,901	\$4,313	\$4,578	\$4,184	\$3,863	\$3,531	\$3,095	\$2,469	*	\$4,155

Females

797

21

*Monthly benefit omitted for privacy reasons.

Age

Years Retired

65.9

13.7

Average:

				Age and	Years Re	tired Distri	bution of A	ll Members	With Disabi	lities				
				(Number o	of All Mem	bers With I	Disabilities	and Averag	je Monthly E	Benefit)				
						P	ERS Plan 1							
Attained Age							ined Years	Retired						
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 4	10 & Over	Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	3	2	8	4	1	35	24	8	2	2	0	0	0	89
	\$1,415	\$1,866	\$814	\$1,468	*	\$1,203	\$845	\$590	\$350	\$331	\$0	\$0	\$0	\$1,002
60-64	0	2	3	13	11	52	67	34	15	7	1	0	0	205
	\$0	\$1,456	\$1,223	\$1,317	\$1,000	\$1,159	\$1,128	\$905	\$646	\$483	*	\$0	\$0	\$1,046
65-69	0	0	0	0	3	45	100	69	26	10	6	2	0	261
	\$0	\$0	\$0	\$0	\$2,493	\$1,217	\$1,153	\$1,013	\$786	\$471	\$378	\$375	\$0	\$1,056
70-74	0	0	0	0	0	4	50	78	38	20	7	3	1	201
	\$0	\$0	\$0	\$0	\$0	\$1,352	\$1,146	\$1,124	\$757	\$664	\$403	\$481	*	\$980
75-79	0	0	0	0	0	0	1	36	38	34	13	8	3	133
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$1,058	\$1,021	\$782	\$537	\$390	\$387	\$864
80-84	0	0	0	0	0	0	0	0	32	60	37	10	3	142
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$918	\$835	\$623	\$351	\$269	\$752
85-89	0	0	0	0	0	0	0	0	2	26	34	20	4	86
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$439	\$707	\$671	\$551	\$714	\$650
90-94	0	0	0	0	0	0	0	0	0	0	22	19	7	48
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$796	\$591	\$458	\$665
95 & Over	0	0	0	0	0	0	0	0	0	0	0	5	3	8
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$771	\$557	\$691
Total	3	4	11	17	15	136	242	225	153	159	120	67	21	1,173
	\$1,415	\$1,661	\$926	\$1,352	\$1,255	\$1,195	\$1,110	\$1,027	\$841	\$737	\$630	\$521	\$475	\$931

Average: Age 71.9 Males 424
Years Retired 19.4 Females 749

^{*}Monthly benefit omitted for privacy reasons.

				Age and	Years Reti	red Distrib	ution of Al	Members '	With Disabi	lities				
			(Number of	All Memb	ers With D	isabilities a	and Averag	e Monthly E	Benefit)				
						(0	Continued)							
							ERS Plan 2							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		0 & Over	Total
Under 50	0	3	7	2	0	6	5	0	0	0	0	0	0	23
	\$0	\$151	\$97	\$127	\$0	\$111	\$83	\$0	\$0	\$0	\$0	\$0	\$0	\$107
50-54	6	8	10	11	13	24	15	2	0	0	0	0	0	89
	\$594	\$445	\$341	\$282	\$205	\$177	\$107	\$55	\$0	\$0	\$0	\$0	\$0	\$250
55-59	12	24	24	30	22	76	32	4	0	0	0	0	0	224
	\$498	\$504	\$492	\$414	\$351	\$292	\$148	\$129	\$0	\$0	\$0	\$0	\$0	\$346
60-64	23	38	56	39	25	148	104	19	1	0	0	0	0	453
	\$1,005	\$738	\$947	\$663	\$516	\$399	\$245	\$121	*	\$0	\$0	\$0	\$0	\$508
65-69	0	8	32	24	37	207	134	37	4	0	0	0	0	483
-0 -4	\$0	\$850	\$822	\$845	\$796	\$605	\$379	\$212	\$67	\$0	\$0	\$0	\$0	\$553
70-74	0	0	1	1	2	95	150	69	10	0	0	0	0	328
	\$0	\$0	^	^	\$280	\$787	\$566	\$277	\$184	\$0	\$0	\$0	\$0	\$557
75-79	0	0	0	0	1	3	56	83	17	2	0	0	0	162
00.04	\$0	\$0	\$0	\$0	^ _	\$585	\$675	\$485	\$285	\$111	\$0	\$0	\$0	\$526
80-84	0	0	0	0	1	0	2	38	30	4	0	0	0	75
05.00	\$0	\$0	\$0	\$0	^	\$0	\$171	\$558	\$426	\$293	\$0	\$0	\$0	\$476
85-89	0	0	0	0	0	0	0	0	11	3	0	0	0	14
90-94	\$0 0	\$0	\$0 0	\$0 0	\$0 0	\$0 0	\$0 0	\$0 0	\$360 0	\$342	\$0	\$0 0	\$0 0	\$356
90-94	\$0	0 \$0	\$0	_	\$ 0	_	\$0	\$0	_	! *	0 \$0	\$0	\$0	1 *
95 & Over	φυ 0	φυ 0	ე ზ0	\$0 0	φυ 0	\$0 0	φυ 0	φυ 0	\$0 0	0	ა მ	φ0 0	ა 0	0
35 & Over	\$0	\$0	\$0	\$0	\$ 0	\$0	\$0	\$0	\$0	\$0	\$ 0	\$0	\$0	\$0
	ΦU	ΦU	ΦU	ΦU	ΦU	ΦU	ΦU	ΦU	ΦU	ΦU	ΦU	ΦU	ΦU	\$0
Total	41	81	130	107	101	559	498	252	73	10	0	0	0	1,852
	\$796	\$629	\$736	\$589	\$532	\$515	\$414	\$362	\$326	\$259	\$0	\$0	\$0	\$490

Average: Age 66.1 Years Retired 9.3 Males 901 Females 951

*Monthly benefit omitted for privacy reasons.

				Age and	Years Reti	red Distrib	ution of Al	Members \	Age and Years Retired Distribution of All Members With Disabilities (Number of All Members With Disabilities and Average Monthly Benefit)													
			(Number of	All Memb	ers With D	isabilities a	and Averag	e Monthly E	Benefit)												
						(0	Continued)															
							ERS Plan 3															
Attained Age							ined Years															
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total								
Under 50	0	0	0	1	0	0	0	0	0	0	0	0	0	1								
	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	,								
50-54	0	1	2	0	1	2	0	0	0	0	0	0	0	6								
	\$0		\$232	\$0	*	\$172	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$205								
55-59	0	5	1	1	1	10	2	0	0	0	0	0	0	20								
	\$0	\$372		*	*	\$215	\$103	\$0	\$0	\$0	\$0	\$0	\$0	\$244								
60-64	2	2	6	3	2	16	0	0	0	0	0	0	0	31								
0.00	\$642	\$409	\$239	\$192	\$472	\$230	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$282								
65-69	0	1	1	1	0	14	1	0	0	0	0	0	0	18								
70.74	\$0		^	0	\$0	\$294	2	\$0	\$0	\$0	\$0	\$0	\$0	\$323								
70-74	0	1	0	0	0	5	2	0	0	0	0	0	0	*								
75 70	\$0		\$0	\$0	\$0	\$369	\$444	\$0	\$0	\$0	\$0	\$0	\$0	\$364								
75-79	0 \$0	0 \$0	0	0 \$0	0 \$0	0	0	0	0	0 \$0	0	0	0	0								
80-84	φυ 0	φυ 0	\$0 0	φυ 0	φυ 0	\$0 0	\$0 0	\$0 0	\$0 0	φυ 0	\$0 0	\$0 0	\$0 0	\$0 0								
00-04	\$0	\$0	\$ 0	\$0	\$ 0	\$0	\$0	\$0	\$ 0	\$0	\$0	\$0	\$0	\$0								
85-89	φυ 0	φ0 0	φυ 0	φυ 0	φυ 0	φυ 0	φυ 0	φ0	φυ 0	φυ 0	φυ 0	φυ 0	φυ 0	φυ 0								
05-05	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0								
90-94	φυ 0	φυ 0	φυ 0	φυ 0	φυ 0	φυ 0	φυ 0	φυ 0	φυ 0	φυ 0	φυ 0	φυ 0	φυ 0	φ ₀								
30-34	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0								
95 & Over	φ0 0	0	φ0 0	φ0 0	φ0 0	0	φ0	φ0 0	φ0	φ0	φ ₀	0	φ0 0	0								
JJ & OVEI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0								
	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	Ψ								
Total	2	10	10	6	4	47	5	0	0	0	0	0	0	84								
	\$642	\$327	\$274	\$243	\$276	\$258	\$323	\$0	\$0	\$0	\$0	\$0	\$0	\$281								

Average: Age 62.0 Years Retired 5.6 Males 45 Females 39

Defined benefit portion only.

^{*}Monthly benefit omitted for privacy reasons.

				Age and	Years Re	tired Distri	bution of A	II Members	With Disab	ilities				
				(Number o	of All Mem		Disabilities	and Averaç	ge Monthly	Benefit)				
							(Continued)							
							TRS Plan 1							
Attained Age							ained Years		00.01					
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	0	0	0	2	0	3	4	0	0	0	0	0	0	9
	\$0	\$0	\$0	\$2,464	\$0	\$2,052	\$1,842	\$0	\$0	\$0	\$0	\$0	\$0	\$2,050
60-64	0	0	0	0	3	21	40	18	6	2	1	0	0	91
	\$0	\$0	\$0	\$0	\$2,021	\$2,249	\$1,919	\$1,496	\$1,062	\$390	*	\$0	\$0	\$1,807
65-69	0	0	0	0	0	14	43	68	22	8	6	1	0	162
	\$0	\$0	\$0	\$0	\$0	\$1,874	\$1,590	\$1,664	\$1,172	\$759	\$524	*	\$0	\$1,500
70-74	0	0	0	0	0	0	11	43	21	13	6	5	0	99
	\$0	\$0	\$0	\$0	\$0	\$0	\$1,334	\$1,699	\$1,267	\$1,241	\$797	\$384	\$0	\$1,385
75-79	0	0	0	0	0	0	0	9	23	37	14	15	1	99
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,115	\$1,468	\$1,276	\$1,005	\$448	*	\$1,133
80-84	0	0	0	0	0	0	0	0	3	32	41	8	0	84
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,646	\$1,415	\$1,138	\$898	\$0	\$1,239
85-89	0	0	0	0	0	0	0	0	0	5	32	10	3	50
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,017	\$1,068	\$892	\$687	\$1,005
90-94	0	0	0	0	0	0	0	0	0	0	6	7	2	15
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,041	\$828	\$567	\$879
95 & Over	0	0	0	0	0	0	0	0	0	0	0	2	1	3
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$823	*	\$824
Total	0	0	0	2	3	38	98	138	75	97	106	48	7	612
	\$0	\$0	\$0	\$2,464	\$2,021	\$2,095	\$1,706	\$1,617	\$1,299	\$1,243	\$1,032	\$677	\$621	\$1,381

Males Average: Age 73.0 226 Years Retired 22.3 386 Females

^{*}Monthly benefit omitted for privacy reasons.

26

61

				_				II Members						
				(Number of	f All Mem			and Averag	e Monthly E	Benefit)				
							Continued)							
							RS Plan 2							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	_
50-54	0	0	0	0	1	0	1	0	0	0	0	0	0	2
	\$0	\$0	\$0	\$0	*	\$0	-	\$0	\$0	\$0	\$0	\$0	\$0	\$235
55-59	0	0	1	1	0	0	2	2	0	0	0	0	0	6
	\$0	\$0	*	*	\$0	\$0	\$89	\$70	\$0	\$0	\$0	\$0	\$0	\$282
60-64	0	1	1	2	1	7	6	3	0	0	0	0	0	21
	\$0	*	*	\$1,111	*	\$587	\$256	\$201	\$0	\$0	\$0	\$0	\$0	\$513
65-69	0	0	1	1	2	11	3	3	0	0	0	0	0	21
	\$0	\$0	*	*	\$847	\$783	\$437	\$377	\$0	\$0	\$0	\$0	\$0	\$775
70-74	0	0	0	0	0	7	14	4	0	0	0	0	0	25
	\$0	\$0	\$0	\$0	\$0	\$1,067	\$757	\$691	\$0	\$0	\$0	\$0	\$0	\$833
75-79	0	0	0	0	0	0	1	6	0	0	0	0	0	7
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$820	\$0	\$0	\$0	\$0	\$0	\$918
80-84	0	0	0	0	0	0	0	4	0	0	0	0	0	4
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,139	\$0	\$0	\$0	\$0	\$0	\$1,139
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	0	1	3	4	4	25	28	22	0	0	0	0	0	87
	\$0	*	\$1,139	\$1,136	\$743	\$807	\$548	\$642	\$0	\$0	\$0	\$0	\$0	\$703

Average: Age 67.4 Years Retired 10.6

Males Females

^{*}Monthly benefit omitted for privacy reasons.

				Age and	Years Reti	ired Distrib	ution of All	Members '	With Disabi	lities				
			(Number of	All Memb	ers With D	isabilities a	and Averag	e Monthly E	Benefit)				
						(0	Continued)							
							RS Plan 3							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40		Total
Under 50	1	2	0	1	1	0	0	0	0	0	0	0	0	5
	*	\$125	\$0	*	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$118
50-54	0	2	0	0	2	2	0	0	0	0	0	0	0	6
	\$0	\$206	\$0	\$0	\$105	\$75	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$129
55-59	0	2	1	3	1	5	3	0	0	0	0	0	0	15
	\$0	\$265	*	\$278	*	\$261	\$148	\$0	\$0	\$0	\$0	\$0	\$0	\$249
60-64	0	2	1	6	1	11	6	0	0	0	0	0	0	27
	\$0	\$205	*	\$647	*	\$230	\$150	\$0	\$0	\$0	\$0	\$0	\$0	\$314
65-69	0	0	2	0	0	11	11	2	0	0	0	0	0	26
	\$0	\$0	\$709	\$0	\$0	\$481	\$298	\$134	\$0	\$0	\$0	\$0	\$0	\$395
70-74	0	0	0	0	1	1	1	0	0	0	0	0	0	3
	\$0	\$0	\$0	\$0	*	*	*	\$0	\$0	\$0	\$0	\$0	\$0	\$308
75-79	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	*
80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	1	8	4	10	6	30	22	2	0	0	0	0	0	83
	*	\$200	\$548	\$487	\$165	\$326	\$236	\$134	\$0	\$0	\$0	\$0	\$0	\$302

Females

31 52

Average: Age 61.3
Years Retired 7.0

Defined benefit portion only.

^{*}Monthly benefit omitted for privacy reasons.

				Age and	Years Reti	red Distrib	ution of All	Members '	With Disabi	lities				
			(Number of	All Memb	ers With D	isabilities a	and Averag	e Monthly E	Benefit)				
						,	Continued)							
							ERS Plan 2							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40		Total
Under 50	0	0	0	0	2	0	1	0	0	0	0	0	0	3
50.54	\$0	\$0	\$0	\$0	\$111	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	\$112
50-54	2	2	0	1	0	2	1	0	0	0	0	0	0	8
	\$444	\$190	\$0	_	\$0	\$98	*	\$0	\$0	\$0	\$0	\$0	\$0	\$218
55-59	0	6	5	5	4	13	3	0	0	0	0	0	0	36
	\$0	\$343	\$186	\$356	\$157	\$143	\$142	\$0	\$0	\$0	\$0	\$0	\$0	\$213
60-64	3	5	6	10	8	26	6	0	0	0	0	0	0	64
	\$598	\$421	\$345	\$343	\$307	\$231	\$167	\$0	\$0	\$0	\$0	\$0	\$0	\$295
65-69	0	2	8	4	8	45	19	0	0	0	0	0	0	86
	\$0	\$911	\$626	\$621	\$342	\$331	\$224	\$0	\$0	\$0	\$0	\$0	\$0	\$363
70-74	0	0	0	0	0	19	27	0	0	0	0	0	0	46
	\$0	\$0	\$0	\$0	\$0	\$498	\$383	\$0	\$0	\$0	\$0	\$0	\$0	\$431
75-79	0	0	0	0	0	0	5	0	0	0	0	0	0	5
	\$0	\$0	\$0	\$0	\$0	\$0	\$756	\$0	\$0	\$0	\$0	\$0	\$0	\$756
80-84	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	*
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	5	15	19	20	22	105	63	0	0	0	0	0	0	249
	\$536	\$425	\$421	\$396	\$275	\$309	\$326	\$0	\$0	\$0	\$0	\$0	\$0	\$337

Females

86

163

*Monthly benefit omitted for privacy reasons.

Age

Years Retired

64.7

6.7

Average:

			(_			oution of All Disabilities a							
			'	ivallibel of	All Mellis		Continued)	iliu Avelay	e Monthly L	Jenent,				
						<u> </u>	ERS Plan 3							
Attained Age						Atta	ined Years	Retired						
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 4	0 & Over	Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	3	2	1	0	2	0	0	0	0	0	0	0	8
	\$0	\$126	\$206	*	\$0	\$29	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$138
55-59	1	3	0	1	1	4	1	0	0	0	0	0	0	11
	*	\$119	\$0	*	*	\$185	*	\$0	\$0	\$0	\$0	\$0	\$0	\$138
60-64	1	1	3	1	1	13	3	0	0	0	0	0	0	23
	*	*	\$207	*	*	\$235	\$120	\$0	\$0	\$0	\$0	\$0	\$0	\$236
65-69	0	1	0	3	1	13	9	0	0	0	0	0	0	27
	\$0	*	\$0	\$461	*	\$224	\$151	\$0	\$0	\$0	\$0	\$0	\$0	\$224
70-74	0	0	0	0	0	2	6	0	0	0	0	0	0	8
	\$0	\$0	\$0	\$0	\$0	\$446	\$253	\$0	\$0	\$0	\$0	\$0	\$0	\$302
75-79	0	0	0	0	0	0	3	0	0	0	0	0	0	3
	\$0	\$0	\$0	\$0	\$0	\$0	\$540	\$0	\$0	\$0	\$0	\$0	\$0	\$540
80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	2	8	5	6	3	34	22	0	0	0	0	0	0	80
	\$128	\$158	\$207	\$415	\$171	\$225	\$224	\$0	\$0	\$0	\$0	\$0	\$0	\$227

Average: Age 63.7 Males 30 Years Retired 6.7 Females 50

Defined benefit portion only.

^{*}Monthly benefit omitted for privacy reasons.

				Age and Y	ears Retir	ed Distrib	ution of All	Members \	With Disabi	lities				
			()	Number of A	All Membe	ers With D	isabilities a	and Averag	e Monthly E	Benefit)				
							Continued)							
							ERS Plan 2							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	0	1	0	1	0	1	0	0	0	0	0	0	0	3
	\$0	*	\$0	*	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$149
60-64	0	1	0	0	1	0	0	0	0	0	0	0	0	2
	\$0	*	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$238
65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	0	2	0	1	1	1	0	0	0	0	0	0	0	5
	\$0	\$297	\$0	*	*	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$185

Average: Age 59.3 Years Retired 3.2 Males 4 Females 1

^{*}Monthly benefit omitted for privacy reasons.

			Age and	d Years Re	tired Dis	tribution o	f All Law Er	nforcement	Officers W	ith Disabilit	ies			
			(1	Number of	All Mem	bers With I	Disabilities	and Averag	ge Monthly	Benefit)				
						(Continued)							
							EOFF Plan							
Attained Age							ained Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	0	0	0	0	0	3	15	10	12	6	2	0	0	48
	\$0	\$0	\$0	\$0	\$0	\$4,285	\$3,880	\$3,285	\$3,203	\$2,813	\$2,107	\$0	\$0	\$3,405
60-64	0	0	0	0	0	17	65	91	63	53	22	4	0	315
	\$0	\$0	\$0	\$0	\$0	\$4,214	\$3,752	\$3,353	\$3,003	\$2,893	\$2,578	\$2,205	\$0	\$3,266
65-69	0	0	0	0	0	10	73	193	130	105	88	44	7	650
	\$0	\$0	\$0	\$0	\$0	\$3,709	\$3,913	\$3,521	\$3,185	\$2,873	\$2,798	\$2,754	\$2,823	\$3,239
70-74	0	0	0	0	0	1	13	64	108	63	70	46	15	380
	\$0	\$0	\$0	\$0	\$0		\$3,922	\$3,747	\$3,540	\$3,070	\$2,927	\$2,894	\$2,706	\$3,282
75-79	0	0	0	0	0	0	1	14	34	32	51	25	11	168
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$3,407	\$3,493	\$3,156	\$3,109	\$3,200	\$2,758	\$3,215
80-84	0	0	0	0	0	0	0	2	4	10	32	10	16	74
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,984	\$3,194	\$3,076	\$3,240	\$2,900	\$2,887	\$3,113
85-89	0	0	0	0	0	0	0	0	1	6	8	22	6	43
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$3,137	\$3,467	\$3,440	\$2,885	\$3,313
90-94	0	0	0	0	0	0	0	0	0	1	1	4	4	10
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	*	\$2,719	\$3,257	\$2,917
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	*
Total	0	0	0	0	0	31	167	374	352	276	274	155	60	1,689
	\$0	\$0	\$0	\$0	\$0	\$3,986	\$3,847	\$3,511	\$3,291	\$2,964	\$2,938	\$2,959	\$2,832	\$3,250

 Average:
 Age
 69.2
 Males
 1,637

 Years Retired
 24.1
 Females
 52

^{*}Monthly benefit omitted for privacy reasons.

			А	ge and Yea	ars Retir	ed Distribu	ition of All	Fire Fighter	rs With Disa	abilities				
			1)	Number of A	All Mem	bers With I	Disabilities	and Averag	e Monthly	Benefit)				
						,	Continued)							
							EOFF Plan							
Attained Age							ained Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50.54	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FF F0	\$0	\$0	\$0	\$0	\$0	\$0	\$ 0	\$0	\$0 7	\$0	\$0	\$0	\$0	\$0
55-59	0	0	1	0	0 \$0	7	15	8	•	3	0	0 \$0	0	41 ¢2.002
60-64	\$0 0	\$0 0	0	\$0 0	\$0 0	\$4,669 35	\$3,852 83	\$3,243 58	\$3,073 38	\$2,878	\$0 15	φυ 6	\$0 0	\$3,683
00-04	\$0	\$0	\$0	\$ 0	\$ 0	\$4,657	\$3,832	\$3,721	36 \$3,418	25 \$2,874	\$2,643	\$2,625	\$0	260 \$3,669
65-69	φυ 0	Ф О	φ0 0	φυ 0	φυ 0	φ 4 ,657 27	φ3,632 132	φ3,721 214	φ3,416 134	φ2,074 46	φ2,043 36	φ2,025 25	φU 1	\$3,669 615
05-09	\$0	\$ 0	\$0	\$0	\$0	\$4,567	\$4,048	\$3,811	\$3,511	\$3.160	\$2,893	\$2,630	I *	\$3,678
70-74	0	0	0	0	0	φ 4 ,307	48	136	150	φ3, 100 65	Ψ2,093 49	ψ2,030 29	7	486
70-74	\$0	\$0	\$0	\$0	\$0	\$5,062	\$3,947	\$3,971	\$3,721	\$3,298	\$3,104	\$2,844	\$2,757	\$3,634
75-79	0	0	0	0	0	φο,σσ2	φυ,υ-1	16	61	ψ0, 2 30	φο, 10 -1 50	19	φ2,757	198
10.10	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,661	\$3,773	\$3,591	\$3,353	\$2,969	\$2,773	\$3,512
80-84	0	0	0	0	0	0	0	1	12	27	50	38	13	141
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$3,773	\$4,004	\$3,591	\$3,386	\$3,155	\$3,591
85-89	0	0	0	0	0	0	0	0	1	3	19	39	19	81
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$3,620	\$3,885	\$3,431	\$3,334	\$3,520
90-94	0	0	0	0	0	0	0	0	0	0	4	14	22	40
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,445	\$3,561	\$3,205	\$3,354
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	5	5
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,319	\$3,319
Total	0	0	1	0	0	71	278	433	403	216	223	170	72	1,867
	\$0	\$0	*	\$0	\$0	\$4,635	\$3,955	\$3,833	\$3,620	\$3,370	\$3,277	\$3,134	\$3,161	\$3,626

Average: Age 71.1 Males 1,862
Years Retired 22.6 Females 5

^{*}Monthly benefit omitted for privacy reasons.

Age and Years Retired Distribution of All Law Enforcement Officers With Disabilities (Number of All Members With Disabilities and Average Monthly Benefit) (Continued) **LEOFF Plan 2 Attained Years Retired** Attained Age 5-9 10-14 20-24 25-29 30-34 35-39 40 & Over 15-19 **Total** 0 10 3 4 3 11 0 0 0 Under 50 4 3 0 0 0 38 \$1,938 \$1,842 \$1,327 \$2,153 \$1,358 \$1,334 \$583 \$0 \$0 \$0 \$0 \$0 \$0 \$1,560 50-54 5 7 0 0 0 0 0 0 4 22 \$2.704 \$2,891 \$1,712 \$902 \$0 \$0 \$0 \$0 \$0 \$0 \$2,283 2 0 0 0 0 0 55-59 23 6 43 \$3,875 \$4.601 \$3,585 \$2,648 \$3,078 \$863 \$0 \$0 \$0 \$0 \$0 \$2,891 0 0 60-64 0 2 4 2 25 5 0 1 0 0 43 \$0 \$4,380 \$2,094 \$3,063 \$4,426 \$2,594 \$0 \$0 \$0 \$0 \$0 \$1,893 \$2,621 65-69 0 0 2 9 0 0 0 0 0 0 0 10 22 \$0 \$0 \$0 \$2,359 \$0 \$0 \$0 \$2,567 \$2,825 \$1,558 \$0 \$0 \$0 70-74 0 0 0 0 0 2 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$630 \$0 \$0 \$0 \$0 \$0 \$737 75-79 0 0 0 0 0 0 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 80-84 0 0 0 0 0 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 85-89 0 0 0 0 0 0 0 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 90-94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 95 & Over 0 0 0 0 0 0 0 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 **Total** 20 9 15 12 78 28 2 0 1 0 0 173 \$2,492 \$0 \$0 \$2,910 \$2,479 \$2,833 \$2,639 \$2,459 \$1,257 \$1,058 \$0 \$2,321

Average: Age 56.6 Males 141
Years Retired 6.2 Females 32

^{*}Monthly benefit omitted for privacy reasons.

				Age and Y	ears Retir	ed Distribu	ution of All I	Fire Fighter	s With D <mark>isa</mark>	bilities				
				(Number o	of All Mem	bers With I	Disabilities :	and Averag	e Monthly E	Benefit)				
							(Continued)							
							EOFF Plan 2							
Attained Age							ained Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		0 & Over	Total
Under 50	0	0	0	1	0	4	2	0	0	0	0	0	0	7
50.54	\$0	\$0	\$0	^	\$0	\$786	\$1,104	\$0	\$0	\$0	\$0	\$0	\$0	\$1,017
50-54	2	2	1	3	0	5	3	0	0	0	0	0	0	16
55.50	\$4,075	\$5,308		\$1,257	\$0	\$1,829	\$889	\$0	\$0	\$0	\$0	\$0	\$0	\$2,391
55-59	2	/ #2.020	3	7	5	11	3	0	0	0	0	0	0	38
60-64	\$3,817	\$3,839	\$4,947	\$3,733	\$3,423	\$3,173 16	\$2,186	\$0	\$0	\$0	\$0	\$0	\$0 0	\$3,528 35
60-64	2 \$3,194	4 \$4,766	6 \$4,861	l *	3 \$3,316	\$3,265	3 \$2,918	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	\$0	\$3,684
65-69	φ3,194 0	φ 4 ,766	φ4,001 0	2	φ3,310 4	φ3,203 5	φ2,910 5	φ0 0	φυ 0	φυ 0	φυ 0	φ0 0	φυ 0	ψ3,604 13
05-09	\$0	\$0	\$0	\$3,207	l *	\$2,288	\$2,191	\$0	\$0	\$ 0	\$0	\$0	\$0	\$2,495
70-74	φ0 0	0	φ0 0	φ3,20 <i>1</i>	0	φ Ζ , Ζ 00	φ2,191 1	φ0 2	0	φ0 0	0	φ0 0	φ0 0	φ 2,49 5
70-74	\$0	\$0	\$0	\$0	\$0	! *	*	\$680	\$0	\$0	\$0	\$0	\$0	\$1,133
75-79	0	0	φ0 0	0	0	0	0	φυσυ	0	0	0	0	0	φ1,133
10-13	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00 0 1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 55	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	6	13	10	14	9	42	17	2	0	0	0	0	0	113
	\$3,696	\$4,350	\$4,791	\$2,963	\$3,409	\$2,673	\$1,937	\$680	\$0	\$0	\$0	\$0	\$0	\$3,056

Average: Age 58.9 Years Retired 5.6 Males 101 Females 12

^{*}Monthly benefit omitted for privacy reasons.

				Age and Y	ears Retir	ed Distrib	ution of All	Members	With Disabi	lities				
			(N	lumber of a	All Membe	ers With D	isabilities a	and Averag	e Monthly E	Benefit)				
							Continued)							
							SPRS Plan 1							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	*
50-54	0	0	0	0	0	1	0	0	2	0	0	0	0	3
	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	0	0	0	0	0	1	1	0	0	1	1	0	0	4
	\$0	\$0	\$0	\$0	\$0	*	*	\$0	\$0	*	*	\$0	\$0	\$0
60-64	0	0	0	0	0	0	0	2	1	0	1	0	0	4
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	*	\$0	\$0	\$0
65-69	0	0	0	0	0	0	0	2	0	3	2	2	1	10
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0
70-74	0	0	0	0	0	0	0	3	4	0	6	1	0	14
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0
75-79	0	0	0	0	0	0	0	0	2	1	3	2	0	8
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0
80-84	0	0	0	0	0	0	0	0	0	0	3	0	1	4
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90-94	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	*
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	0	0	0	0	0	2	2	7	9	5	16	5	3	49
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Average:		Age	69.0						Males	44				

Average: Age 69.0 Males 44
Years Retired 26.9 Females 5

Disability benefits for WSPRS are paid out of a separate fund and are not reported as benefit payments from the retirement plan. *Monthly benefit omitted for privacy reasons.

								ution of Su						
					(Number o		s and Avera ERS Plan 1	ige Monthly	Benefit)					
Attained Age							ined Years							
7 ttta7 tgc	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 4	0 & Over	Total
Under 50	1	6	4	3	6	32	17	22	10	2	5	6	0	114
	*	\$1,616	\$2,052	\$2,563	\$1,623	\$1,448	\$970	\$929	\$861	\$348	\$297	\$229	\$0	\$1,163
50-54	0	0	0	2	4	13	22	9	2	3	2	0	1	58
	\$0	\$0	\$0	\$1,384	\$959	\$2,019	\$1,121	\$922	\$223	\$552	\$430	\$0	*	\$1,192
55-59	3	3	6	6	7	33	27	26	15	5	5	4	0	140
	\$2,236	\$1,522	\$1,852	\$1,915	\$1,984	\$1,866	\$1,257	\$884	\$762	\$676	\$590	\$473	\$0	\$1,328
60-64	1	4	13	8	9	67	89	56	30	17	13	4	1	312
	*	\$1,648	\$2,241	\$2,648	\$2,261	\$1,878	\$1,441	\$969	\$1,005	\$705	\$558	\$540	*	\$1,406
65-69	0	1	4	4	9	76	136	130	86	23	12	6	6	493
	\$0	*	\$1,121	\$2,688	\$964	\$1,878	\$1,631	\$1,151	\$896	\$680	\$608	\$425	\$521	\$1,309
70-74	0	0	0	2	4	52	128	175	144	48	41	13	10	617
	\$0	\$0	\$0	\$3,048	\$2,068	\$1,650	\$1,585	\$1,383	\$1,192	\$908	\$730	\$584	\$520	\$1,301
75-79	0	0	1	1	1	17	83	225	280	128	82	20	21	859
	\$0	\$0	*	*	*	\$1,533	\$1,610	\$1,384	\$1,215	\$1,072	\$856	\$605	\$445	\$1,225
80-84	0	0	0	0	3	9	25	145	318	279	202	56	24	1,061
	\$0	\$0	\$0	\$0	\$2,739	\$2,125	\$1,727	\$1,392	\$1,264	\$1,104	\$981	\$828	\$476	\$1,167
85-89	0	0	0	0	1	0	6	29	183	333	413	128	35	1,128
	\$0	\$0	\$0	\$0	*	\$0	\$1,406	\$1,451	\$1,225	\$976	\$967	\$850	\$669	\$1,004
90-94	0	0	0	0	0	3	3	9	30	151	348	196	59	799
	\$0	\$0	\$0	\$0	\$0	\$2,805	\$1,965	\$1,101	\$1,359	\$962	\$813	\$877	\$800	\$891
95 & Over	0	0	0	0	0	0	0	0	3	12	75	96	70	256
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,515	\$1,131	\$810	\$654	\$903	\$800
Total	5	14	28	26	44	302	536	826	1,101	1,001	1,198	529	227	5,837
	\$1,826	\$1,597	\$1,961	\$2,393	\$1,876	\$1,795	\$1,528	\$1,287	\$1,191	\$1,005	\$886	\$789	\$723	\$1,133

Average: Age 79.2 Years Retired 24.3 Males 671 Females 5,166

^{*}Monthly benefit omitted for privacy reasons.

					Age and	Years Reti	red Distribu	ition of Sur	vivors					
					(Number c	of Survivors	and Avera	ge Monthly	Benefit)					
							Continued)							
							ERS Plan 2							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		0 & Over	Total
Under 50	1	8	5	8	2	14	6	5	3	0	0	0	0	52
	-	\$566	\$434	\$473	\$460	\$470	\$193 _	\$199 -	\$220	\$0	\$0	\$0	\$0	\$408
50-54	8	18	12	8	5	29	7	5	1	0	0	0	0	93
	\$1,110	\$1,070	\$862	\$1,116	\$417	\$466	\$501	\$466	*	\$0	\$0	\$0	\$0	\$742
55-59	11	27	25	15	22	65	30	4	2	0	0	0	0	201
	\$1,488	\$916	\$869	\$1,050	\$896	\$577	\$506	\$185	\$108	\$0	\$0	\$0	\$0	\$756
60-64	10	26	23	33	28	97	48	17	3	0	0	0	0	285
	\$1,352	\$1,190	\$1,274	\$1,094	\$1,035	\$663	\$469	\$596	\$546 -	\$0	\$0	\$0	\$0	\$833
65-69	3	9	26	29	35	133	90	38	5	0	0	0	0	368
	\$948	\$940	\$1,338	\$1,125	\$845	\$958	\$641	\$433	\$426	\$0	\$0	\$0	\$0	\$847
70-74	1	5	8	10	13	102	126	66	20	1	0	0	0	352
	*	\$1,588	\$1,000	\$924	\$1,084	\$884	\$657	\$446	\$361	*	\$0	\$0	\$0	\$716
75-79	0	2	4	1	6	56	132	114	28	3	0	0	0	346
	\$0	\$2,273	\$934	*	\$612	\$814	\$779	\$545	\$420	\$312	\$0	\$0	\$0	\$685
80-84	0	0	1	1	1	12	46	111	63	4	0	0	0	239
	\$0	\$0	*	*	*	\$793	\$767	\$631	\$505	\$270	\$0	\$0	\$0	\$624
85-89	0	0	0	1	0	3	14	38	59	20	1	0	0	136
	\$0	\$0	\$0	*	\$0	\$1,039	\$732	\$672	\$552	\$467	*	\$0	\$0	\$606
90-94	0	0	0	0	1	3	1	7	10	10	1	0	0	33
05.0.0	\$0	\$0	\$0	\$0	*	\$528	*	\$609	\$469	\$353	^	\$0	\$0	\$458
95 & Over	0	0	0	0	0	0	1	0	0	1	0	0	0	2
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	*	\$0	\$0	\$0	\$315
Total	34	95	104	106	113	514	501	405	194	39	2	0	0	2,107
	\$1,323	\$1,057	\$1,061	\$1,041	\$883	\$777	\$663	\$548	\$479	\$398	\$140	\$0	\$0	\$725

Average: Age 69.9 Years Retired 10.8 Males 390 Females 1,717

^{*}Monthly benefit omitted for privacy reasons.

29

101

					_		red Distribu							
				(1	Number of		and Avera	ge Monthly	Benefit)					
							Continued)							
Attained Age							ERS Plan 3	Defined						
Attained Age	0	4	2	3	4	5-9	ined Years 10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	Total
Under 50	0	2	3	0	2	6	0	0	0	0	0	0	40 & Over 0	13
Officer 50	\$0	\$608	\$186	\$0	\$294	\$244	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$294
50-54	0	4	2	2	Ψ294	2	0	0	0	0	0	0	0	10
00-04	\$0	\$244	\$328	\$331	\$0	\$184	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$266
55-59	2	3	4	4	4	10	2	0	0	0	0	0	0	29
55 55	\$590	\$325	\$279	\$576	\$413	\$240	\$210	\$0	\$0	\$0	\$0	\$0	\$0	\$347
60-64	2	1	2	6	3	11	2	0	0	0	0	0	0	27
	\$288	*	\$695	\$403	\$747	\$262	\$245	\$0	\$0	\$0	\$0	\$0	\$0	\$400
65-69	1	1	5	0	5	18	6	0	0	0	0	0	0	36
	*	*	\$480	\$0	\$385	\$479	\$240	\$0	\$0	\$0	\$0	\$0	\$0	\$424
70-74	0	0	1	0	1	5	3	0	0	0	0	0	0	10
	\$0	\$0	*	\$0	*	\$450	\$462	\$0	\$0	\$0	\$0	\$0	\$0	\$408
75-79	0	0	0	1	0	0	3	0	0	0	0	0	0	4
	\$0	\$0	\$0	*	\$0	\$0	\$320	\$0	\$0	\$0	\$0	\$0	\$0	\$431
80-84	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	5	11	17	13	15	53	16	0	0	0	0	0	0	130
	\$361	\$435	\$373	\$473	\$441	\$351	\$294	\$0	\$0	\$0	\$0	\$0	\$0	\$377

Average: Age 60.3 Males
Years Retired 5.3 Females

Defined benefit portion only.

^{*}Monthly benefit omitted for privacy reasons.

					Age and	Years Ret	ired Distrib	ution of Su	rvivors					
					(Number o		and Avera	ige Monthly	Benefit)					
							Continued)							
							TRS Plan 1							
Attained Age				^			ined Years		00.04	05.00	00.04	05.00	40.0.0	Tatal
Headan 50	0	0	2	3	4	5-9	10-14 7	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	0	-	_	*	*	3	•	4	0	1 *	0	0	0	19
50-54	\$0 0	\$0 0	\$2,480 0	4	0	\$1,720	\$1,418 6	\$1,327	\$0 2	4	\$0	\$0	\$0 0	\$1,783
50-54	\$0 \$0	\$0	\$0 \$0	l *	\$0	4 \$1,987	\$1,586	4 \$989	\$672	l *	l *	l *	\$0	20 \$1,400
55-59	90 0	φU 1	φυ 0	1	φυ 0	\$1,967 10	\$1,566 7	ъэоэ 11	φο <i>τ</i> 2	3	4	4	φυ 0	\$1,400 49
55-59	\$0	1 *	\$0	l *	\$0	\$2,401	\$1,560	\$1.306	\$965	\$623	\$943	l *	\$0	\$1,486
60-64	φ ₀	3	0	3	φ0 4	36	37	38	φ905 15	φ023 3	φ 94 3 5	1	φυ 3	148
00-04	\$0	\$2,214	\$0	\$1,565	\$2,291	\$2,142	\$1,673	\$1,132	\$999	\$489	\$772	! *	\$1,023	\$1,530
65-69	ψ0 1	Ψ2,21 4 0	φ0 1	ψ1,505 1	3	35	ψ1,073 72	φ1,132 71	42	11	10	6	ψ1,025 5	258
03-03	*	\$0	*	*	\$3.147	\$2,275	\$1,751	\$1,473	\$1,275	\$628	\$670	\$758	\$1,104	\$1,584
70-74	0	0	2	1	3	19	62	Ψ1, 4 73	Ψ1,273 79	31	18	12	φ1,10 4 6	331
7014	\$0	\$0	\$1,795	*	\$3,661	\$1,694	\$1,527	\$1,662	\$1,364	\$950	\$823	\$604	\$919	\$1,424
75-79	0	1	0	0	0	9	26	95	169	80	48	16	7	451
70.70	\$0	*	\$0	\$0	\$0	\$2,091	\$1,824	\$1,520	\$1,535	\$1,269	\$976	\$530	\$862	\$1,405
80-84	0	0	0	0	0	3	12	48	139	120	164	39	5	530
55 5.	\$0	\$0	\$0	\$0	\$0	\$1,855	\$1,589	\$1,701	\$1,437	\$1,199	\$1,105	\$861	\$840	\$1,262
85-89	0	0	0	0	0	0	0	6	68	127	231	97	8	537
00 00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,152	\$1,485	\$1,220	\$1,118	\$1,011	\$863	\$1,177
90-94	0	0	0	0	0	1	0	4	8	42	133	93	18	299
	\$0	\$0	\$0	\$0	\$0	*	\$0	\$984	\$1,453	\$989	\$1,013	\$1,092	\$1,016	\$1,048
95 & Over	0	0	0	0	0	0	0	1	0	4	29	48	29	111
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$1,208	\$814	\$1,106	\$1,167	\$1,059
Total	1	5	5	8	11	120	229	380	533	423	643	314	81	2,753
Total	*	\$2,134	\$2,668	\$2,481	\$3,103	\$2,102	\$1,657	\$1,524	\$1,426	\$1,153	\$1,049	\$981	\$1,029	\$1,310

Average: Age 79.3 Years Retired 25.0 Males 524 Females 2,229

*Monthly benefit omitted for privacy reasons.

Under 50						Age and	Years Ret	ired Distribu	ution of Sur	vivors					
Attained Age O						(Number o	of Survivor	s and Avera	ge Monthly	Benefit)					
Attained Age Under 50 0 1 2 3 4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over To Decision							((Continued)							
Under 50 0 1 2 3 4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 0 0 1 0 0 0 2 1 0 0 0 0 0 0 0 0 0 0 0															
Under 50 \$0 0 1 0 0 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Attained Age														
\$0 \$0 \$0 * \$0 \$0 \$356 * \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		<u> </u>		2				10-14							Total
50-54	Under 50			1				1							4
\$55-59 *		\$0		*	\$0		\$356	*	\$0		* -				\$768
\$5-59 0 2 0 1 0 4 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50-54	1			1	_	1	_	1		_	-	_	-	9
\$0 \$2,708 \$0		*			*		*		*				•		\$696
60-64	55-59			-	1		-		_	-	_	-	-		11
\$0 \$0 \$0					*			\$182	\$530		* -				\$906
65-69	60-64	_			_	_		1	1	_	_	_	_		15
70-74 \$0 \$1,945 \$1,567 * \$1,213 \$887 \$603 \$407 * \$0 \$0 <t< th=""><th></th><th></th><th></th><th></th><th>\$1,850</th><th></th><th></th><th>_</th><th>•</th><th>\$0</th><th></th><th></th><th></th><th></th><th>\$962</th></t<>					\$1,850			_	•	\$0					\$962
70-74 0 0 1 0 1 4 10 6 1 0 <td>65-69</td> <td></td> <td></td> <td></td> <td>1</td> <td>_</td> <td></td> <td>•</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>32</td>	65-69				1	_		•		1					32
\$0 \$0 \$0 * \$0 * \$1,104 \$942 \$670 * \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	-0 -4			\$1,567		\$1,213									\$1,004
75-79 0 0 1 0 0 5 10 4 3 0 0 0 0 80 \$0	70-74			1		1			_	1	_	-	_		23
\$0 \$0 \$0 * \$0 \$0 \$1,485 \$1,096 \$747 \$316 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	75 70	•		4		0				2			•		\$960
80-84 0 0 0 0 1 4 10 3 0 <td>75-79</td> <td>_</td> <td></td> <td>*</td> <td>_</td> <td>_</td> <td></td> <td></td> <td>· ·</td> <td>_</td> <td>_</td> <td>-</td> <td>_</td> <td></td> <td>23</td>	75-79	_		*	_	_			· ·	_	_	-	_		23
\$5.89 \$0 \$0 \$0 \$0 \$0 \$0 * \$834 \$760 \$506 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	00.04			0			\$1, 4 00		•						\$1,024 18
85-89	00-04	_		-	•	•	l *	-		_	_	-	•	-	\$727
90-94	95 90						0	φου 4	φ/00 1	φ500 1					Ψ121 2
90-94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	03-09			-		_		*	*	*			_		\$1,190
\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	90-94							0	1	0					φ1,130 1
95 & Over 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30-34	_		-	•	•			*		_	-	_		*
\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	95 & Over								0		•				0
	00 0 0101			-	•	•		_	•		_		-		\$0
Total 1 5 8 5 4 39 39 29 9 0 0 0 0		ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	Ψ
	Total	1	5	8	5	4	39	39	29	9	0	0	0	0	139
* \$2,250 \$1,310 \$1,494 \$1,319 \$913 \$833 \$725 \$594 \$0 \$0 \$0 \$0		*				\$1,319				\$594	\$0		\$0	\$0	\$932

 Average:
 Age
 69.0
 Males
 62

 Years Retired
 10.4
 Females
 77

^{*}Monthly benefit omitted for privacy reasons.

					Age and	Years Reti	red Distribu	ition of Sur	vivors					
				(1	Number of	Survivors	and Avera	ge Monthly	Benefit)					
						(1	Continued)							
							RS Plan 3							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	2	3	6	1	1	5	2	0	0	0	0	0	0	20
50.54	\$179	\$292	\$300	*	*	\$234	\$290	\$0	\$0	\$0	\$0	\$0	\$0	\$288
50-54	0	1	5	1	2	5	1	0	0	0	0	0	0	15
55.50	\$0		\$560	^	\$251	\$541		\$0	\$0	\$0	\$0	\$0	\$0	\$566
55-59	2	8	6	2	5	11	5	0	0	0	0	0	0	39
CO C4	\$1,505	\$819	\$541	\$750	\$282	\$232	\$188 7	\$0	\$0	\$0	\$0	\$0	\$0	\$492
60-64	5 \$391	11 \$438	13 \$548	9 \$421	6	21 \$485	7 \$202	2 \$165	0	0 \$0	0	0 \$0	0	74 \$425
65-69	په مورد 2	Ф430	φ546 3		\$431 12	φ 4 65 31	φ202 15	\$105 3	\$0 0	φυ 0	\$0 0	φυ 0	\$0 0	\$435 72
65-69	\$351	l *	\$673	5 \$691	\$561	\$529	\$279	\$237	\$ 0	\$0	\$0	\$0	\$0 \$0	\$479
70-74	0	0	φ073 1	3	φ301 5	10	φ219 3	φ237 0	0	φ0 0	φ0 0	0	0	22
70-74	\$0	\$0	! *	\$489	\$946	\$546	\$338	\$0	\$0	\$0	\$0	\$0	\$0	\$606
75-79	0	0	0	ψ 4 09 1	ψ9 4 0 1	3	ψ330 2	0	0	0	0	0	0	7
13-13	\$0	\$0	\$0	*	*	\$612	\$492	\$0	\$0	\$0	\$0	\$0	\$0	\$603
80-84	0	0	0	0	0	2	ψ -1 32 1	0	0	0	0	0	0	3
00 04	\$0	\$0	\$0	\$0	\$0	\$534	*	\$0	\$0	\$0	\$0	\$0	\$0	\$732
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	·	•	•	•	•	•	•	•	•	•	•	•	•	
Total	11	24	34	22	32	88	36	5	0	0	0	0	0	252
	\$548	\$562	\$519	\$582	\$532	\$470	\$292	\$208	\$0	\$0	\$0	\$0	\$0	\$476

61.9 Average: Age Years Retired 5.5

Males 134 Females 118

Defined benefit portion only.
*Monthly benefit omitted for privacy reasons.

96

124

					Age and	Years Reti	red Distribu	ition of Sur	vivors					
				(1	Number of	Survivors	and Avera	ge Monthly	Benefit)					
						(0	Continued)							
							ERS Plan 2							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	0	1	1	0	1	2	2	0	0	0	0	0	0	7
	\$0	*	*	\$0	*	\$358	\$308	\$0	\$0	\$0	\$0	\$0	\$0	\$392
50-54	0	0	3	2	1	3	2	0	0	0	0	0	0	11
	\$0	\$0	\$75	\$372	*	\$289	\$224	\$0	\$0	\$0	\$0	\$0	\$0	\$322
55-59	2	3	3	3	2	9	1	0	0	0	0	0	0	23
	\$564	\$311	\$697	\$213	\$210	\$485	*	\$0	\$0	\$0	\$0	\$0	\$0	\$423
60-64	0	7	6	1	5	10	2	0	0	0	0	0	0	31
	\$0	\$417	\$405	*	\$837	\$332	\$280	\$0	\$0	\$0	\$0	\$0	\$0	\$438
65-69	4	7	5	4	10	17	9	0	0	0	0	0	0	56
	\$787	\$548	\$548	\$796	\$702	\$604	\$267	\$0	\$0	\$0	\$0	\$0	\$0	\$582
70-74	0	0	0	3	2	30	18	0	0	0	0	0	0	53
	\$0	\$0	\$0	\$535	\$564	\$573	\$384	\$0	\$0	\$0	\$0	\$0	\$0	\$507
75-79	0	0	0	1	0	13	19	0	0	0	0	0	0	33
	\$0	\$0	\$0	*	\$0	\$664	\$500	\$0	\$0	\$0	\$0	\$0	\$0	\$559
80-84	0	0	0	0	0	1	3	0	0	0	0	0	0	4
	\$0	\$0	\$0	\$0	\$0	*	\$321	\$0	\$0	\$0	\$0	\$0	\$0	\$429
85-89	0	0	0	0	1	1	0	0	0	0	0	0	0	2
	\$0	\$0	\$0	\$0	*	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,211
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	6	18	18	14	22	86	56	0	0	0	0	0	0	220
	\$713	\$475	\$434	\$476	\$664	\$560	\$385	\$0	\$0	\$0	\$0	\$0	\$0	\$507

Average: Age 66.4 Males
Years Retired 6.4 Females

^{*}Monthly benefit omitted for privacy reasons.

62

60

							red Distribu							
				(1	Number of		and Avera	ge Monthly	Benefit)					
							Continued)							
							ERS Plan 3							
Attained Age							ined Years							
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40		Total
Under 50	0	1	0	0	0	2	1	0	0	0	0	0	0	4
	\$0	*	\$0	\$0	\$0	\$138	*	\$0	\$0	\$0	\$0	\$0	\$0	\$151
50-54	1	2	1	0	0	0	1	0	0	0	0	0	0	5
	*	\$293	*	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	\$224
55-59	2	0	2	2	2	5	1	0	0	0	0	0	0	14
	\$123	\$0	\$252	\$227	\$137	\$312	*	\$0	\$0	\$0	\$0	\$0	\$0	\$230
60-64	0	1	3	4	9	7	0	0	0	0	0	0	0	24
	\$0	*	\$268	\$367	\$289	\$178	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$262
65-69	2	1	4	3	1	20	4	0	0	0	0	0	0	35
	\$315	*	\$319	\$326	*	\$261	\$182	\$0	\$0	\$0	\$0	\$0	\$0	\$277
70-74	0	2	0	0	0	17	6	0	0	0	0	0	0	25
	\$0	\$298	\$0	\$0	\$0	\$248	\$219	\$0	\$0	\$0	\$0	\$0	\$0	\$245
75-79	0	0	0	1	2	6	5	0	0	0	0	0	0	14
	\$0	\$0	\$0	*	\$336	\$212	\$173	\$0	\$0	\$0	\$0	\$0	\$0	\$240
80-84	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	5	8	10	10	14	57	18	0	0	0	0	0	0	122
	\$211	\$314	\$277	\$345	\$270	\$242	\$188	\$0	\$0	\$0	\$0	\$0	\$0	\$252

Average: Age 65.7 Males Years Retired 5.7 Females

Defined benefit portion only.
*Monthly benefit omitted for privacy reasons.

					Age and Y	ears Reti	red Distribu	ition of Sur	vivors					
				(N	umber of		and Averag	ge Monthly	Benefit)					
							Continued)							
							ERS Plan 2							
Attained Age							ined Years		00.04	05.00	00.04	05.00.44		T ()
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40		Total
Under 50	0	0	0	0	1	0	0	0	0	0	0	0	0	1
E0 E4	\$0 0	\$0 0	\$0	\$0 0	0	\$0 0	\$0 0	\$0 0	\$0 0	\$0 0	\$0 0	\$0 0	\$0 0	
50-54	\$0	\$ 0	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55-59	φυ 0	φυ 0	φ0 0	φ0 0	φυ 0	Ф О	φυ 0	φ0 0	φυ 0	φυ 0	φ0	φυ 0	φ0 0	\$0
55-55	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
60-64	0	0	0	φ0 1	φ0 0	0	0	0	0	φ0 0	φ ₀	0	0	φυ 1
00-04	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*
65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00-03	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	0	0	0	1	1	0	0	0	0	0	0	0	0	2
	\$0	\$0	\$0	*	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75

Average: Age 52.6 Years Retired 3.2 Males 0 Females 2

^{*}Monthly benefit omitted for privacy reasons.

10

854

	Age and Years Retired Distribution of Survivors of Law Enforcement Officers (Number of Survivors and Average Monthly Benefit)													
				(N	umber o	f Survivors	and Avera	ige Monthly	Benefit)					
						(Continued)							
LEOFF Plan 1 Attained Age Attained Years Retired														
Attained Age														
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	Total
Under 50	0	0	0	0	0	0	1	1	2	1	0	1	1	7
	\$0	\$0	\$0	\$0	\$0	\$0	*	*	\$2,695	*	\$0	*	*	\$2,069
50-54	0	0	0	0	0	2	0	3	0	0	0	0	0	5
	\$0	\$0	\$0	\$0	\$0	\$4,649	\$0	\$2,688	\$0	\$0	\$0	\$0	\$0	\$3,472
55-59	0	1	0	0	0	2	10	11	5	7	1	1	0	38
	\$0	*	\$0	\$0	\$0	\$3,966	\$3,464	\$3,422	\$3,635	\$2,558	*	*	\$0	\$3,306
60-64	0	1	0	0	0	2	11	13	18	15	12	7	0	79
	\$0	*	\$0	\$0	\$0	\$6,407	\$4,425	\$4,097	\$3,207	\$2,964	\$2,899	\$2,315	\$0	\$3,445
65-69	0	0	0	0	0	3	12	20	20	30	26	13	2	126
	\$0	\$0	\$0	\$0	\$0	\$6,414	\$3,915	\$3,697	\$3,847	\$3,176	\$2,960	\$3,453	\$2,091	\$3,480
70-74	0	0	0	0	0	1	4	13	36	28	32	8	8	130
	\$0	\$0	\$0	\$0	\$0	*	\$6,236	\$4,073	\$3,734	\$3,217	\$3,039	\$2,897	\$2,824	\$3,477
75-79	0	0	0	0	0	0	0	7	18	31	50	32	19	157
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,411	\$3,962	\$3,442	\$2,963	\$3,263	\$2,760	\$3,273
80-84	0	0	0	0	0	0	0	2	6	20	59	49	18	154
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,906	\$3,759	\$3,578	\$3,261	\$3,139	\$2,673	\$3,209
85-89	0	0	0	0	0	0	0	0	1	12	28	37	20	98
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$3,658	\$3,448	\$3,304	\$2,890	\$3,321
90-94	0	0	0	0	0	0	0	0	0	2	13	21	20	56
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,306	\$3,012	\$3,344	\$3,266	\$3,202
95 & Over	0	0	0	0	0	0	0	0	1	1	0	3	9	14
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	*	\$0	\$3,194	\$2,621	\$2,807
Total	0	2	0	0	0	10	38	70	107	147	221	172	97	864
	\$0	\$4,105	\$0	\$0	\$0	\$5,591	\$4,201	\$3,791	\$3,687	\$3,255	\$3,111	\$3,187	\$2,830	\$3,324

Average: Age 75.3 Males
Years Retired 29.6 Females

^{*}Monthly benefit omitted for privacy reasons.

				Age and	Years R	Retired Dist	ribution of	Survivors of	of Fire Figh	ters				
	(Number of Survivors and Average Monthly Benefit)													
						•	Continued)							
LEOFF Plan 1 Attained Age Attained Years Retired														
Attained Age														
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34		40 & Over	Total
Under 50	0	0	0	0	0	0	0	0	2	0	0	0	0	2
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,792	\$0	\$0	\$0	\$0	\$1,792
50-54	0	0	0	0	0	0	3	0	1	0	0	1	0	5
	\$0	\$0	\$0	\$0	\$0	\$0	\$3,414	\$0	*	\$0	\$0	*	\$0	\$2,913
55-59	0	0	0	0	0	3	2	5	3	2	0	4	0	19
	\$0	\$0	\$0	\$0	\$0	\$6,101	\$4,132	\$2,856	\$3,637	\$2,939	\$0	\$1,849	\$0	\$3,423
60-64	0	0	0	0	0	2	11	15	5	6	4	0	0	43
	\$0	\$0	\$0	\$0	\$0	\$4,716	\$4,193	\$3,824	\$3,337	\$3,346	\$2,993	\$0	\$0	\$3,759
65-69	0	0	0	0	0	1	10	16	19	20	9	7	2	84
	\$0	\$0	\$0	\$0	\$0	*	\$4,595	\$3,697	\$3,743	\$3,486	\$2,945	\$3,341	\$3,120	\$3,643
70-74	0	0	1	0	0	1	0	17	22	13	17	11	6	88
	\$0	\$0	*	\$0	\$0	*	\$0	\$4,002	\$3,552	\$3,486	\$3,279	\$3,574	\$3,201	\$3,595
75-79	0	0	0	0	0	0	0	5	13	22	35	24	13	112
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,191	\$4,569	\$3,135	\$3,273	\$3,418	\$2,924	\$3,428
80-84	0	0	0	0	0	0	0	0	1	18	43	30	23	115
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$4,566	\$3,640	\$3,215	\$3,019	\$3,561
85-89	0	0	0	0	0	0	0	0	0	3	25	60	28	116
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,494	\$3,967	\$3,950	\$3,142	\$3,799
90-94	0	0	0	0	0	0	0	0	0	2	6	23	27	58
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,190	\$3,746	\$3,952	\$3,468	\$3,714
95 & Over	0	0	0	0	0	0	0	0	0	0	0	4	9	13
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,494	\$3,386	\$3,419
Total	0	0	1	0	0	7	26	58	66	86	139	164	108	655
	\$0	\$0	*	\$0	\$0	\$5,104	\$4,253	\$3,789	\$3,753	\$3,686	\$3,503	\$3,609	\$3,194	\$3,605

Average: Age 77.6 Years Retired 30.8 Males 5 Females 650

^{*}Monthly benefit omitted for privacy reasons.

2

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	Age and Years Retired Distribution of Survivors of Law Enforcement Officers (Number of Survivors and Average Monthly Benefit)													
					(Number c		s and Avera 'Continued)	ge Monthly	Benefit)					
	LEOFF Plan 2													
Attained Age							ained Years							
7	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 4	0 & Over	Total
Under 50	0	1	3	15	5	5	1	0	0	0	0	0	0	30
	\$0	*	\$1,023	\$777	\$1,528	\$1,790	*	\$0	\$0	\$0	\$0	\$0	\$0	\$1,149
50-54	1	1	4	6	1	6	2	0	0	0	0	0	0	21
	*	*	\$3,958	\$1,243	*	\$1,994	\$1,291	\$0	\$0	\$0	\$0	\$0	\$0	\$2,105
55-59	1	1	0	9	5	11	4	0	0	0	0	0	0	31
	*	*	\$0	\$437	\$1,916	\$2,059	\$1,183	\$0	\$0	\$0	\$0	\$0	\$0	\$1,502
60-64	0	1	0	2	0	4	2	0	0	0	0	0	0	9
	\$0	*	\$0	\$2,043	\$0	\$2,484	\$1,458	\$0	\$0	\$0	\$0	\$0	\$0	\$2,367
65-69	0	0	0	2	2	3	3	0	0	0	0	0	0	10
	\$0	\$0	\$0	\$1,846	\$1,166	\$3,225	\$863	\$0	\$0	\$0	\$0	\$0	\$0	\$1,829
70-74	0	0	0	0	0	2	2	2	0	0	0	0	0	6
	\$0	\$0	\$0	\$0	\$0	\$2,111	\$1,069	\$1,135	\$0	\$0	\$0	\$0	\$0	\$1,438
75-79	0	0	0	1	0	0	1	0	1	0	0	0	0	3
	\$0	\$0	\$0	*	\$0	\$0	*	\$0	*	\$0	\$0	\$0	\$0	\$800
80-84	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	\$0	*
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	2	4	7	35	13	31	16	2	1	0	0	0	0	111
	\$3,303	\$2,370	\$2,700	\$885	\$1,601	\$2,174	\$1,312	\$1,135	*	\$0	\$0	\$0	\$0	\$1,602

Average: Age 54.4 Males
Years Retired 5.8 Females

^{*}Monthly benefit omitted for privacy reasons.

	Age and Years Retired Distribution of Survivors of Fire Fighters (Number of Survivors and Average Monthly Benefit)													
					(Number o	f Survivors	and Avera	ge Monthly	Benefit)					
							Continued)							
	LEOFF Plan 2 Attained Age Attained Years Retired													
Attained Age														
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40		Total
Under 50	0	1	4	3	1	3	0	0	0	0	0	0	0	12
	\$0	*	\$1,809	\$743	*	\$1,870	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,599
50-54	1	0	1	1	1	4	0	0	0	0	0	0	0	8
	*	\$0	*	*	*	\$4,530	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,914
55-59	0	1	0	4	1	5	0	0	0	0	0	0	0	11
	\$0	*	\$0	\$2,837	*	\$2,008	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,460
60-64	1	0	0	2	3	4	3	1	0	0	0	0	0	14
	*	\$0	\$0	\$2,435	\$2,586	\$2,478	\$2,452	*	\$0	\$0	\$0	\$0	\$0	\$2,565
65-69	0	0	1	0	1	2	0	1	0	0	0	0	0	5
	\$0	\$0	*	\$0	*	\$3,191	\$0	*	\$0	\$0	\$0	\$0	\$0	\$3,461
70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
75-79	0	0	0	0	0	0	0	2	0	0	0	0	0	2
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$809	\$0	\$0	\$0	\$0	\$0	\$809
80-84	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	\$0	*
85-89	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	*
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	2	2	6	10	7	18	3	5	1	0	0	0	0	54
Total	\$3,110	\$2,780	\$2,477	\$2,588	\$2,832	\$2,781	\$2,452	\$668	*	\$0	\$0	\$0	\$0	\$2,491

Average: Age 56.1 Years Retired 6.5 Males 1 Females 53

^{*}Monthly benefit omitted for privacy reasons.

	Age and Years Retired Distribution of Survivors													
					(Number c	f Survivor	and Avera	ige Monthly	Benefit)					
						(Continued)							
	WSPRS Plan 1 Attained Age Attained Years Retired													
Attained Age														
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 4	0 & Over	Total
Under 50	0	0	1	0	1	4	1	1	1	0	0	0	0	9
	\$0	\$0	*	\$0	*	\$3,853	*	*	*	\$0	\$0	\$0	\$0	\$3,198
50-54	0	0	0	0	1	0	0	0	0	1	0	0	0	2
	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	\$2,302
55-59	0	0	0	0	0	3	0	1	2	1	0	0	0	7
	\$0	\$0	\$0	\$0	\$0	\$3,710	\$0	*	\$2,339	*	\$0	\$0	\$0	\$2,906
60-64	0	0	0	0	0	0	2	3	3	0	0	1	0	9
	\$0	\$0	\$0	\$0	\$0	\$0	\$2,998	\$3,724	\$2,150	\$0	\$0	*	\$0	\$2,749
65-69	0	1	0	0	0	5	1	7	12	4	2	2	0	34
	\$0	*	\$0	\$0	\$0	\$3,954	*	\$2,930	\$2,652	\$2,529	\$1,290	\$798	\$0	\$2,810
70-74	0	0	0	1	0	0	1	2	6	3	5	1	1	20
	\$0	\$0	\$0	*	\$0	\$0	*	\$2,289	\$2,671	\$2,436	\$1,836	*	*	\$2,238
75-79	0	0	0	0	0	1	1	1	4	3	7	2	0	19
	\$0	\$0	\$0	\$0	\$0	*	*	*	\$2,236	\$2,071	\$1,934	\$1,406	\$0	\$2,095
80-84	0	0	1	0	0	1	1	1	2	5	8	3	0	22
	\$0	\$0	*	\$0	\$0	*	*	*	\$3,286	\$2,482	\$1,934	\$1,085	\$0	\$2,238
85-89	0	0	0	0	0	0	1	1	0	0	3	2	3	10
	\$0	\$0	\$0	\$0	\$0	\$0	*	*	\$0	\$0	\$2,003	\$1,225	\$916	\$1,649
90-94	0	0	0	0	0	1	0	0	0	1	0	3	5	10
	\$0	\$0	\$0	\$0	\$0	*	\$0	\$0	\$0	*	\$0	\$1,805	\$803	\$1,402
95 & Over	0	0	0	0	0	0	0	0	0	0	0	0	4	4
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,009	\$1,009
Total	0	1	2	1	2	15	8	17	30	18	25	14	13	146
	\$0	*	\$2,996	*	\$2,351	\$3,664	\$3,623	\$2,816	\$2,568	\$2,287	\$1,871	\$1,270	\$883	\$2,345

Average: Age 72.9 Years Retired 24.1

 Age
 72.9
 Males
 1

 rs Retired
 24.1
 Females
 145

^{*}Monthly benefit omitted for privacy reasons.

Historical Data

				Historica	l Data							
(Dollars in millions)	2	013	20	12	2	011	20	010	20	09	20	08
PERS	Plan 1	Plan 2/3 ¹										
Contribution Information												
Employer Rate	12.29%	12.29%	9.15%	9.15%	9.03%	9.03%	8.41%	8.41%	8.45%	8.45%	5.84%	5.84%
Employee Rate	6.00%	7.00%	6.00%	4.83%	6.00%	4.92%	6.00%	4.91%	6.00%	4.59%	6.00%	4.45%
Funded Status												
Projected Unit Credit Liability	\$12,884	\$23,798	\$12,368	\$20,347	\$12,567	\$18,815	\$12,531	\$17,272	\$13,945	\$15,701	\$13,915	\$14,065
Market Value of Assets	\$7,347	\$23,459	\$7,374	\$20,678	\$8,178	\$20,097	\$7,624	\$16,367	\$7,565	\$14,177	\$10,646	\$17,661
Actuarial Value of Assets	\$8,053	\$24,335	\$8,521	\$22,653	\$8,883	\$20,997	\$9,293	\$19,474	\$9,776	\$18,260	\$9,853	\$16,693
Unfunded Liability	\$4,831	(\$537)	\$3,847	(\$2,306)	\$3,684	(\$2,182)	\$3,238	(\$2,202)	\$4,169	(\$2,560)	\$4,062	(\$2,627)
Funded Ratio	62.5%	102.3%	68.9%	111.3%	70.7%	111.6%	74.2%	112.7%	70.1%	116.3%	70.8%	118.7%
Participant Data												
Number of Actives	5,653	145,053	6,635	143,955	7,733	144,684	9,007	147,519	10,354	148,881	11,663	150,005
Total Annual Salaries	\$318	\$8,339	\$371	\$8,193	\$432	\$8,148	\$507	\$8,206	\$580	\$8,132	\$639	\$7,869
Number of Terminated Vested	1,384	29,663	1,594	28,921	1,789	28,136	1,979	26,881	2,125	25,949	2,271	24,996
Number of Terminated, Not Vested	3,810	97,381	4,042	95,834	4,225	94,340	4,412	92,421	4,563	90,339	4,696	87,437
Number of Retirees and Beneficiaries	51,860	33,468	52,672	29,570	53,264	26,099	53,742	23,157	54,147	20,710	54,581	18,541
Total Annual Benefits	\$1,177	\$491	\$1,169	\$401	\$1,152	\$331	\$1,113	\$268	\$1,074	\$219	\$1,036	\$179
Assumptions												
Valuation Interest Rate	7.90%	7.90%	7.90%	7.90%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
Salary Increase	4.03%	4.95%	4.05%	4.99%	4.31%	5.35%	4.32%	5.48%	4.33%	5.57%	4.58%	5.81%
Inflation ²	3.00%	3.00%	3.00%	3.00%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%
Growth in Membership	0.95%	0.95%	0.95%	0.95%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
Actuarial Experience												
Return on Market Value	12.45%	12.34%	1.13%	1.42%	21.37%	21.16%	13.81%	13.13%	(23.16%)	(22.70%)	(1.08%)	(1.27%)
Return on Actuarial Value	5.24%	6.40%	6.25%	6.43%	6.36%	6.43%	4.71%	4.84%	6.63%	5.85%	9.62%	9.82%
Salary Increase	1.89%	2.86%	1.00%	2.00%	0.89%	1.93%	1.72%	2.66%	3.82%	4.72%	6.27%	8.46%
Inflation	2.54%	2.54%	3.17%	3.17%	0.78%	0.78%	0.44%	0.44%	4.48%	4.48%	3.79%	3.79%
Growth in Membership	(1.12%)	(1.12%)	(1.20%)	(1.20%)	(2.63%)	(2.63%)	(3.18%)	(3.18%)	(1.50%)	(1.50%)	2.31%	2.31%
COLA ³	\$2.06	2.54%-3%	\$2.00	3.00%	\$1.94	0.78%-3%	\$1.88	0.44%-3%	\$1.83	3.00%	\$1.73	3.00%

				Historical (Continu								
(Dollars in millions)	2	013	20	12	20	011	20)10	20	09	20	08
TRS	Plan 1	Plan 2/3 ¹	Plan 1	Plan 2/3 ¹	Plan 1	Plan 2/3 ¹	Plan 1	Plan 2/3 ¹	Plan 1	Plan 2/3 ¹	Plan 1	Plan 2/3 ¹
Contribution Information												
Employer Rate	14.47%	14.47%	10.68%	10.68%	10.21%	10.21%	9.18%	9.18%	11.95%	11.95%	6.77%	6.77%
Employee Rate	6.00%	6.79%	6.00%	4.95%	6.00%	4.96%	6.00%	4.80%	6.00%	4.68%	6.00%	3.96%
Funded Status												
Projected Unit Credit Liability	\$9,449	\$8,016	\$9,058	\$6,799	\$9,258	\$6,299	\$9,231	\$5,708	\$10,838	\$5,213	\$10,794	\$4,529
Market Value of Assets	\$6,127	\$8,109	\$6,189	\$7,087	\$6,902	\$6,839	\$6,402	\$5,547	\$6,312	\$4,789	\$8,936	\$6,035
Actuarial Value of Assets	\$6,717	\$8,406	\$7,145	\$7,758	\$7,485	\$7,141	\$7,791	\$6,593	\$8,146	\$6,160	\$8,262	\$5,681
Unfunded Liability	\$2,732	(\$390)	\$1,914	(\$959)	\$1,773	(\$842)	\$1,439	(\$886)	\$2,692	(\$947)	\$2,532	(\$1,152)
Funded Ratio	71.1%	104.9%	78.9%	114.1%	80.8%	113.4%	84.4%	115.5%	75.2%	118.2%	76.5%	125.4%
Participant Data												
Number of Actives	2,393	63,542	3,019	62,338	3,740	62,463	4,591	61,734	5,204	62,184	6,061	60,463
Total Annual Salaries	\$183	\$4,223	\$229	\$4,077	\$284	\$4,085	\$344	\$3,966	\$389	\$3,957	\$432	\$3,621
Number of Terminated Vested	391	9,432	477	9,068	581	8,623	700	8,249	841	7,817	959	7,739
Number of Terminated, Not Vested	453	4,812	505	4,626	530	4,288	558	4,018	590	3,804	615	3,585
Number of Retirees and Beneficiaries	35,912	8,308	36,054	6,864	36,118	5,591	36,015	4,555	36,032	3,895	35,879	3,271
Total Annual Benefits	\$888	\$119	\$877	\$94	\$864	\$74	\$830	\$57	\$805	\$46	\$774	\$37
Assumptions												
Valuation Interest Rate	7.90%	7.90%	7.90%	7.90%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
Salary Increase	3.93%	5.27%	3.95%	5.33%	4.21%	5.62%	4.21%	5.76%	4.22%	5.84%	4.49%	6.14%
Inflation ²	3.00%	3.00%	3.00%	3.00%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%
Growth in Membership	0.80%	0.80%	0.80%	0.80%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%
Actuarial Experience												
Return on Market Value	12.43%	12.35%	1.14%	1.43%	21.35%	21.17%	13.71%	13.11%	(23.15%)	(22.79%)	(1.06%)	(1.20%)
Return on Actuarial Value	5.26%	6.43%	6.28%	6.46%	6.39%	6.47%	4.74%	4.90%	6.66%	5.94%	8.33%	9.28%
Salary Increase	1.35%	2.55%	(0.43%)	0.54%	1.53%	2.44%	0.41%	1.14%	5.43%	6.80%	5.92%	6.49%
Inflation	2.54%	2.54%	3.17%	3.17%	0.78%	0.78%	0.44%	0.44%	4.48%	4.48%	3.79%	3.79%
Growth in Membership	(0.40%)	(0.40%)	(1.28%)	(1.28%)	(0.18%)	(0.18%)	(0.30%)	(0.30%)	1.30%	1.30%	2.44%	2.44%
COLA ³	\$2.06	2.54%-3%	\$2.00	3.00%	`\$1.94	0.78%-3%	\$1.88	0.44%-3%	\$1.83	3.00%	\$1.73	3.00%

				Historica (Continu								
(Dollars in millions)		2013	20	012	:	2011	2	010	20	009	2	800
SERS	Plan 1	Plan 2/3 ¹										
Contribution Information												
Employer Rate	N/A	12.88%	N/A	9.80%	N/A	9.64%	N/A	8.76%	N/A	8.83%	N/A	5.79%
Employee Rate	N/A	6.70%	N/A	4.59%	N/A	4.64%	N/A	4.37%	N/A	4.08%	N/A	3.51%
Funded Status												
Projected Unit Credit Liability	N/A	\$3,273	N/A	\$2,820	N/A	\$2,607	N/A	\$2,368	N/A	\$2,163	N/A	\$1,906
Market Value of Assets	N/A	\$3,212	N/A	\$2,827	N/A	\$2,746	N/A	\$2,237	N/A	\$1,944	N/A	\$2,443
Actuarial Value of Assets	N/A	\$3,335	N/A	\$3,100	N/A	\$2,872	N/A	\$2,664	N/A	\$2,503	N/A	\$2,303
Unfunded Liability	N/A	(\$62)	N/A	(\$280)	N/A	(\$265)	N/A	(\$296)	N/A	(\$340)	N/A	(\$397)
Funded Ratio	N/A	101.9%	N/A	109.9%	N/A	110.2%	N/A	112.5%	N/A	115.7%	N/A	120.8%
Participant Data												
Number of Actives	N/A	52,295	N/A	51,558	N/A	52,332	N/A	52,339	N/A	52,474	N/A	51,774
Total Annual Salaries	N/A	\$1,514	N/A	\$1,479	N/A	\$1,490	N/A	\$1,475	N/A	\$1,467	N/A	\$1,380
Number of Terminated Vested	N/A	11,588	N/A	10,920	N/A	10,262	N/A	9,700	N/A	9,193	N/A	8,600
Number of Terminated, Not Vested	N/A	8,861	N/A	8,143	N/A	7,317	N/A	6,668	N/A	5,976	N/A	5,383
Number of Retirees and Beneficiaries	N/A	9,079	N/A	7,651	N/A	6,428	N/A	5,384	N/A	4,629	N/A	3,873
Total Annual Benefits	N/A	\$67	N/A	\$54	N/A	\$44	N/A	\$35	N/A	\$29	N/A	\$23
Assumptions												
Valuation Interest Rate	N/A	7.90%	N/A	7.90%	N/A	8.00%	N/A	8.00%	N/A	8.00%	N/A	8.00%
Salary Increase	N/A	5.05%	N/A	5.07%	N/A	5.37%	N/A	5.50%	N/A	5.59%	N/A	5.84%
Inflation ²	N/A	3.00%	N/A	3.00%	N/A	3.50%	N/A	3.50%	N/A	3.50%	N/A	3.50%
Growth in Membership	N/A	0.95%	N/A	0.95%	N/A	1.25%	N/A	1.25%	N/A	1.25%	N/A	1.25%
Actuarial Experience												
Return on Market Value	N/A	12.36%	N/A	1.42%	N/A	21.19%	N/A	13.14%	N/A	(22.85%)	N/A	(1.26%)
Return on Actuarial Value	N/A	6.37%	N/A	6.42%	N/A	6.42%	N/A	4.87%	N/A	5.99%	N/A	9.85%
Salary Increase	N/A	3.72%	N/A	2.26%	N/A	3.02%	N/A	2.47%	N/A	7.27%	N/A	8.34%
Inflation	N/A	2.54%	N/A	3.17%	N/A	0.78%	N/A	0.44%	N/A	4.48%	N/A	3.79%
Growth in Membership	N/A	(0.07%)	N/A	(1.48%)	N/A	(0.01%)	N/A	1.09%	N/A	1.35%	N/A	1.87%
COLA ³	N/A	2.54%-3%	N/A	3.00%	N/A	0.78%-3%	N/A	0.44%-3%	N/A	3.00%	N/A	3.00%

				Historica (Contine								
(Dollars in millions)		2013	20	12		2011	2	010	20	009	20	800
PSERS	Plan 1	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2
Contribution Information												
Employer Rate	N/A	12.07%	N/A	10.28%	N/A	10.22%	N/A	9.71%	N/A	10.11%	N/A	7.73%
Employee Rate	N/A	6.89%	N/A	6.07%	N/A	6.22%	N/A	6.32%	N/A	6.36%	N/A	6.45%
Funded Status												
Projected Unit Credit Liability	N/A	\$180	N/A	\$135	N/A	\$107	N/A	\$80	N/A	\$54	N/A	\$30
Market Value of Assets	N/A	\$226	N/A	\$174	N/A	\$143	N/A	\$93	N/A	\$56	N/A	\$37
Actuarial Value of Assets	N/A	\$224	N/A	\$180	N/A	\$141	N/A	\$103	N/A	\$69	N/A	\$39
Unfunded Liability	N/A	(\$44)	N/A	(\$45)	N/A	(\$34)	N/A	(\$23)	N/A	(\$15)	N/A	(\$8
Funded Ratio	N/A	124.4%	N/A	133.6%	N/A	131.7%	N/A	128.5%	N/A	128.1%	N/A	127.4%
Participant Data												
Number of Actives	N/A	4,513	N/A	4,250	N/A	4,187	N/A	4,210	N/A	4,340	N/A	3,981
Total Annual Salaries	N/A	\$253	N/A	\$238	N/A	\$233	N/A	\$227	N/A	\$223	N/A	\$200
Number of Terminated Vested	N/A	119	N/A	60	N/A	1	N/A	0	N/A	0	N/A	0
Number of Terminated, Not Vested	N/A	1,383	N/A	1,329	N/A	1,210	N/A	1,075	N/A	762	N/A	397
Number of Retirees and Beneficiaries	N/A	43	N/A	27	N/A	15	N/A	7	N/A	2	N/A	1
Total Annual Benefits	N/A	\$0	N/A	\$0	N/A	\$0	N/A	\$0	N/A	\$0	N/A	\$0
Assumptions												
Valuation Interest Rate	N/A	7.90%	N/A	7.90%	N/A	8.00%	N/A	8.00%	N/A	8.00%	N/A	8.00%
Salary Increase	N/A	5.58%	N/A	5.78%	N/A	6.39%	N/A	6.83%	N/A	7.02%	N/A	6.65%
Inflation ²	N/A	3.00%	N/A	3.00%	N/A	3.50%	N/A	3.50%	N/A	3.50%	N/A	3.50%
Growth in Membership	N/A	0.95%	N/A	0.95%	N/A	1.25%	N/A	1.25%	N/A	1.25%	N/A	1.25%
Actuarial Experience												
Return on Market Value	N/A	12.06%	N/A	1.80%	N/A	20.35%	N/A	10.82%	N/A	(19.25%)	N/A	(3.73%
Return on Actuarial Value	N/A	7.48%	N/A	7.22%	N/A	7.38%	N/A	4.91%	N/A	3.69%	N/A	6.64%
Salary Increase	N/A	2.96%	N/A	2.16%	N/A	3.28%	N/A	4.63%	N/A	4.86%	N/A	12.52%
Inflation	N/A	2.54%	N/A	3.17%	N/A	0.78%	N/A	0.44%	N/A	4.48%	N/A	3.79%
Growth in Membership	N/A	7.79%	N/A	1.50%	N/A	(0.55%)	N/A	5.75%	N/A	9.02%	N/A	44.50%
COLA ³	N/A	2.54%-3%	N/A	3.00%	N/A	0.78%-3%	N/A	0.44%-3%	N/A	3.00%	N/A	3.00%

				Historical (Continu								
(Dollars in millions)	20	13	201	,		011	20	10 ⁴	20	09	200	08
LEOFF	Plan 1	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2
Contribution Information												
Employer Rate	0.00%	4.78%	0.00%	4.64%	0.00%	4.54%	0.00%	4.54%	0.00%	4.44%	0.00%	4.34%
State Rate	0.00%	3.19%	0.00%	3.10%	0.00%	3.03%	0.00%	3.03%	0.00%	2.96%	0.00%	2.89%
Employee Rate	0.00%	7.97%	0.00%	7.74%	0.00%	7.57%	0.00%	7.57%	0.00%	7.40%	0.00%	7.23%
Funded Status												
Projected Unit Credit Liability	\$4,410	\$6,859	\$4,121	\$6,071	\$4,135	\$5,576	\$4,381	\$5,078	\$4,477	\$4,349	\$4,354	\$3,786
Market Value of Assets	\$5,140	\$7,637	\$4,903	\$6,640	\$5,185	\$6,366	\$4,585	\$5,081	\$4,355	\$4,309	\$6,035	\$5,315
Actuarial Value of Assets	\$5,516	\$7,862	\$5,562	\$7,222	\$5,565	\$6,621	\$5,561	\$6,043	\$5,612	\$5,564	\$5,592	\$5,053
Unfunded Liability	(\$1,107)	(\$1,003)	(\$1,440)	(\$1,150)	(\$1,430)	(\$1,044)	(\$1,180)	(\$965)	(\$1,135)	(\$1,215)	(\$1,238)	(\$1,266)
Funded Ratio	125.1%	114.6%	134.9%	118.9%	134.6%	118.7%	126.9%	119.0%	125.4%	127.9%	128.4%	133.4%
Participant Data												
Number of Actives	143	16,687	186	16,720	250	16,805	301	16,775	356	16,951	421	16,626
Total Annual Salaries	\$15	\$1,597	\$19	\$1,560	\$25	\$1,535	\$29	\$1,490	\$33	\$1,443	\$37	\$1,345
Number of Terminated Vested	1	698	0	689	1	655	1	781	2	672	1	649
Number of Terminated, Not Vested	35	1,565	41	1,558	44	1,617	46	1,707	54	1,663	55	1,531
Number of Retirees and Beneficiaries	7,729	2,782	7,845	2,344	7,932	2,015	8,008	1,639	8,087	1,367	8,134	1,134
Total Annual Benefits	\$356	\$105	\$350	\$82	\$340	\$65	\$339	\$49	\$338	\$38	\$322	\$29
Assumptions												
Valuation Interest Rate	7.90%	7.50%	7.90%	7.50%	8.00%	7.50%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
Salary Increase	3.75%	5.30%	3.75%	5.43%	4.00%	5.61%	4.01%	6.55%	4.01%	6.61%	4.26%	6.61%
Inflation ²	3.00%	3.00%	3.00%	3.00%	3.50%	3.00%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%
Growth in Membership	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
Actuarial Experience												
Return on Market Value	12.41%	12.31%	1.23%	1.45%	21.29%	21.08%	13.59%	12.99%	(23.14%)	(22.64%)	(1.11%)	(1.33%)
Return on Actuarial Value	5.66%	6.41%	6.28%	6.25%	6.35%	6.15%	5.24%	4.84%	6.38%	5.72%	11.82%	11.04%
Salary Increase	1.37%	3.91%	1.48%	3.22%	1.31%	3.48%	3.45%	5.35%	5.27%	6.69%	4.66%	7.65%
Inflation	2.54%	2.54%	3.17%	3.17%	0.78%	0.78%	0.44%	0.44%	4.48%	4.48%	3.79%	3.79%
Growth in Membership	(1.32%)	(1.32%)	(0.87%)	(0.87%)	(0.12%)	(0.12%)	0.17%	0.17%	1.53%	1.53%	2.62%	2.62%
COLA ³	2.54%	2.54%-3%	3.17%	3.00%	0.78%	0.78%-3%	0.44%	0.44%-3%	4.48%	3.00%	3.79%	3.00%

				Historic (Contir								
(Dollars in millions)	201	3	201	2	201	11	2010)4	200	09	200	80
WSPRS	Plan 1	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2
Contribution Information												
Employer Rate	8.79%	8.79%	7.76%	7.76%	7.63%	7.63%	7.71%	7.71%	7.93%	7.93%	6.27%	6.27%
Employee Rate	7.19%	7.19%	6.44%	6.44%	6.31%	6.31%	6.39%	6.39%	6.61%	6.61%	4.95%	4.95%
Funded Status												
Projected Unit Credit Liability	\$959	N/A	\$859	N/A	\$829	N/A	\$782	N/A	\$759	N/A	\$719	N/A
Market Value of Assets	\$956	N/A	\$879	N/A	\$895	N/A	\$764	N/A	\$698	N/A	\$932	N/A
Actuarial Value of Assets	\$1,009	N/A	\$982	N/A	\$949	N/A	\$920	N/A	\$900	N/A	\$870	N/A
Unfunded Liability	(\$50)	N/A	(\$123)	N/A	(\$120)	N/A	(\$137)	N/A	(\$142)	N/A	(\$150)	N/A
Funded Ratio	105.3%	N/A	114.3%	N/A	114.5%	N/A	117.5%	N/A	118.7%	N/A	120.9%	N/A
Participant Data												
Number of Actives	657	409	712	354	767	315	806	281	830	264	851	234
Total Annual Salaries	\$54	\$27	\$57	\$23	\$61	\$20	\$65	\$18	\$67	\$17	\$65	\$13
Number of Terminated Vested	70	10	71	8	66	6	66	6	69	4	61	2
Number of Terminated, Not Vested	18	14	18	13	19	11	20	8	22	10	22	7
Number of Disabled Members⁵	49	0	49	0	51	0	53	0	53	0	55	0
Number of Retirees and Beneficiaries	964	0	915	0	875	0	851	0	834	0	831	0
Total Annual Benefits	\$45	\$0	\$41	\$0	\$39	\$0	\$37	\$0	\$35	\$0	\$33	\$0
Assumptions												
Valuation Interest Rate	7.90%	N/A	7.90%	N/A	8.00%	N/A	8.00%	N/A	8.00%	N/A	8.00%	N/A
Salary Increase	5.09%	N/A	5.01%	N/A	5.22%	N/A	5.26%	N/A	5.35%	N/A	5.47%	N/A
Inflation ²	3.00%	N/A	3.00%	N/A	3.50%	N/A	3.50%	N/A	3.50%	N/A	3.50%	N/A
Growth in Membership	0.95%	N/A	0.95%	N/A	1.25%	N/A	1.25%	N/A	1.25%	N/A	1.25%	N/A
Actuarial Experience												
Return on Market Value	12.37%	N/A	1.31%	N/A	21.23%	N/A	13.39%	N/A	(22.98%)	N/A	(1.17%)	N/A
Return on Actuarial Value	5.99%	N/A	6.34%	N/A	6.38%	N/A	5.07%	N/A	6.18%	N/A	11.60%	N/A
Salary Increase	3.10%	N/A	2.33%	N/A	1.20%	N/A	1.23%	N/A	5.86%	N/A	7.86%	N/A
Inflation	2.54%	N/A	3.17%	N/A	0.78%	N/A	0.44%	N/A	4.48%	N/A	3.79%	N/A
Growth in Membership	(1.72%)	N/A	(1.60%)	N/A	(1.21%)	N/A	0.18%	N/A	0.83%	N/A	4.63%	N/A
COLA ³	2.54%-3%	N/A	3.00%	N/A	0.78%-3%	N/A	0.44%-3%	N/A	3.00%	N/A	3.00%	N/A

Footnotes for Historical Data Section

¹Plan 3 members do not contribute to the defined benefit plan.

²Based on the assumption for prior year's CPI: Urban Wage Earners & Clerical Workers, Seattle- Tacoma-Bremerton, WA -All Items.

³Eligible PERS 1 and TRS 1 members receive a Basic Minimum COLA that is a flat dollar amount per month, per year of service. The Uniform COLA was repealed under Chapter 362, Laws of 2011. The COLA for all other plans is a percentage increase in their monthly pension. For LEOFF 1, the COLA is exactly the CPI. All others are based on the CPI with a 3% maximum per year.

⁴LEOFF 2 values for 2010 were updated after the 2010 Actuarial Valuation Report was published.

⁵WSPRS Disability Benefits for members are provided outside of pension funds.

Glossary

(See the Glossary on our website also.)

Actuarial Accrued Liability

Computed differently under different funding methods, the actuarial accrued liability generally represents the portion of the present value of fully projected benefits attributable to service credit that has been earned (or accrued) as of the valuation date.

Actuarial Gain or Loss

A pension plan incurs actuarial gains or losses when the actual experience of the pension plan does not exactly match assumptions. For example, an actuarial gain would occur if assets earned 10 percent for a given year since the assumed interest rate in the valuation is 7.9 percent.

Actuarial Value of Assets

The value of pension plan investments and other property used by the actuary for the purpose of an actuarial valuation (sometimes referred to as valuation assets). Actuaries often select an asset valuation method that smooths the effects of short-term volatility in the market value of assets.

Entry Age Normal (EAN) Funding Method

The EAN funding method is a standard actuarial funding method. The annual cost of benefits under EAN is comprised of two components:

- ♦ Normal cost; plus
- Amortization of the unfunded actuarial accrued liability.

The normal cost is most commonly determined

on an individual basis, from a member's age at plan entry, and is designed to be a level percentage of pay throughout a member's career.

Funded Ratio/Status

The ratio of a plan's current assets to the present value of earned pensions. There are several acceptable methods of measuring a plan's assets and liabilities. The methods and assumptions used can vary based on the purpose of the measurement.

Market Value of Assets (MVA)

The market value of assets is the value of the pension fund based on the value of the assets as they would trade on an open market, including accrued income and expenses.

Normal Cost

Computed differently under different funding methods, the normal cost generally represents the portion of the cost of projected benefits allocated to the current plan year. The employer normal cost equals the total normal cost of the plan reduced by employee contributions.

<u>Present Value of Fully Projected</u> Benefits

Computed by projecting the total future benefit payments from the plan, using actuarial assumptions (i.e., probability of death or retirement, salary increases, etc.), and discounting the payments to the valuation date using the valuation interest rate to determine the present value (today's value).

Projected Unit Credit (PUC) Actuarial Cost Method

The PUC cost method is a standard actuarial funding method. The annual cost of benefits under PUC is comprised of two components:

- ♦ Normal cost; plus,
- Amortization of the unfunded actuarial accrued liability.

The PUC normal cost is the estimated present value of projected benefits current plan members will earn in the year following the valuation date. It represents today's value of one year of earned benefits.

Present Value of Future Salaries (PVFS)

The value of future expected salaries discounted with interest to the valuation date

<u>Unfunded Actuarial Accrued Liability</u> (UAAL)

The excess, if any, of the Actuarial Accrued Liability over the Actuarial Value of Assets. In other words, the present value of benefits earned to date not covered by current plan assets.



