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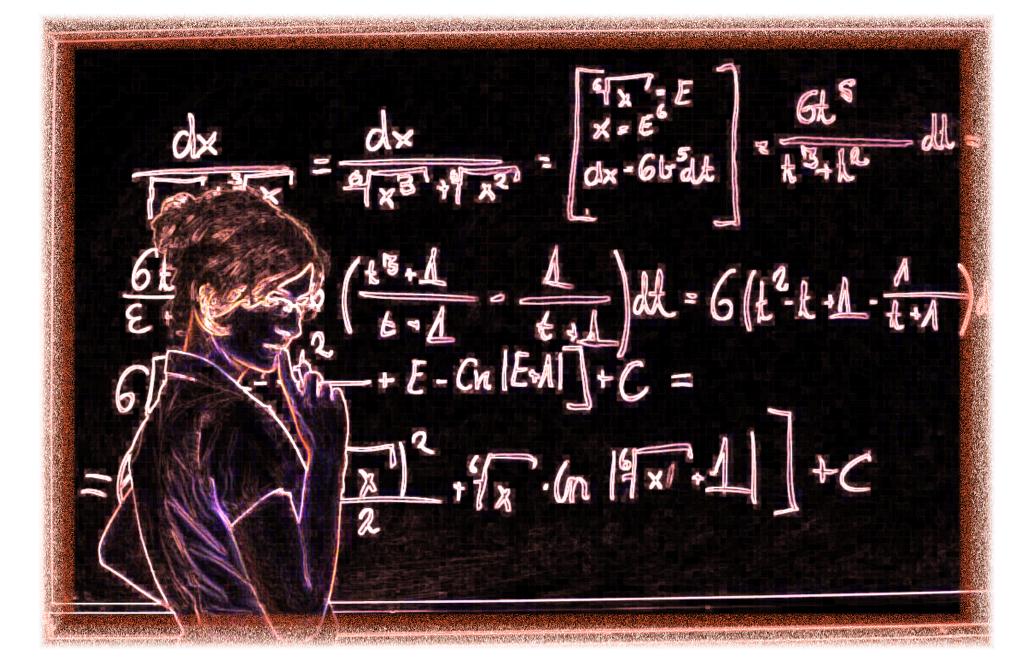
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Letter of Introduction



Office of the State Actuary

"Securing tomorrow's pensions today."

Letter of Introduction Report of the Combined Actuarial Valuation As of June 30, 2012 August 2013

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, 2012, under the funding policy established by the Legislature. These contribution requirements are purely informational since, according to state law, this "off-cycle" valuation is not used to determine contribution rates. This valuation also provides information on the funding progress and developments in the plans over the past year.

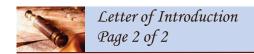
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This report is organized in the following four sections:

- Summary of Key Results.
- ❖ 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

Summary of Key Results 1



Actuarial Exhibits



Participant Data



Appendices

$$\rho(x) = -G(-x^{1})/\{xH(-x^{2})\}.$$

$$-\rho 0 - x_{0} \le \pi/2 + 2\pi k, \quad \rho = 2X_{0} + (1/2)[sg A_{0}].$$

$$\mu = \sum_{k=1}^{\infty} \Delta_{k} \Delta_{k} \arg f(z) = (\pi/2)(S_{0}).$$

$$u) = \prod_{k=1}^{\infty} (u + u_{k})G_{0}(u), \quad \Re[\rho/(1/2)].$$

$$\mu = 2X_{0} \quad \rho^{2} > \sum_{j=0,j\neq k} A_{j}\rho^{j}, \quad \arg[\rho - \pi/2 + 2\pi k] \le \rho 0.$$

$$\mu = 2X_{0} \quad \rho^{2} > \sum_{j=0,j\neq k} A_{j}\rho^{j}, \quad \arg[\rho - \pi/2 + 2\pi k] \le \rho 0.$$

$$\mu = (1/2)[1 - sg A_{1}].$$

$$\mu = (\pi/2)(S_{0}) = (1/2)[1 - sg A_{1}].$$

3

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. However, consistent with current law, this is not a ratesetting valuation so these results are informational only. 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 on the right shows contribution rates based on the 2012 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.

Contribution Rates				
	Plan	1	Plan 2/3	
	2012	2011	2012	2011
PERS				
Member*	6.00%	6.00%	4.83%	4.92%
Total Employer	9.15%	9.03%	9.15%	9.03%
TRS				
Member*	6.00%	6.00%	4.95%	4.96%
Total Employer	10.68%	10.21%	10.68%	10.21%
SERS				
Member*	N/A	N/A	4.59%	4.64%
Total Employer	N/A	N/A	9.80%	9.64%
PSERS				
Member	N/A	N/A	6.07%	6.22%
Total Employer	N/A	N/A	10.28%	10.22%
LEOFF				
Member	0.00%	0.00%	7.74%	7.57%
Employer	0.00%	0.00%	4.64%	4.54%
State	0.00%	0.00%	3.10%	3.03%
WSPRS				
Member	6.44%	6.31%	6.44%	6.31%
Employer (State)	7.76%	7.63%	7.76%	7.63%

Employer rates exclude administrative expense rate.

Contribution Rate- Setting Cycle

Under current Washington State law, in July of even-numbered years, the Pension Funding Council (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 ratesetting cycle.

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

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 Plan 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 2012 Results

The following comments summarize the key changes from the last valuation. Please see the **Actuarial Certification Letter** for additional comments on the 2012 valuation results.

The actual rate of investment return for the plan year was below the assumed rate of 7.9 percent (7.5 percent assumed for LEOFF 2). The actual, annualized investment return on the market value of assets was 1.40 percent. The rate of investment return on the actuarial value of assets for the plan year was lower than the assumed rate of 7.9 percent (7.5 percent for LEOFF 2).

Gains or losses to liabilities and salaries also impact contribution rates. These occur when annual economic and demographic experience differs from our long-term assumptions or when there are changes in plan provisions or actuarial assumptions or methods. We summarize gains/losses for the total employer contribution rate below.

Overall, the liability changes were mixed, resulting in actuarial gains or losses, depending on the system. PERS, TRS, School Employees' Retirement System (SERS), and WSPRS saw liabilities increase less than expected, resulting in actuarial gains. PSERS liabilities changed as expected, resulting in neither a gain nor a loss. LEOFF's liabilities were mixed: Plan 1 showed a liability loss while Plan 2 showed a liability gain. The key reasons for the liability gains include: salaries increased less than expected; more terminations in the Plans 2/3 than expected; and later retirements in the Plans 1 than expected. The key reason for liability losses comes from the increase in

liabilities due to new entrants.

The present value of future salaries generally increased more than expected due to new entrants becoming active so the salary base for collecting contributions is larger and this results in an actuarial gain to the system.

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

Detailed gain and loss information by system can be found in the **Actuarial Exhibits** section of this report.

Actuarial Liabilities

The table on the 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 Future 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.

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.

Actuarial Liabilities					
(Dollars in Millions)	2012	2011			
All Systems					
Future Value of Fully Projected Benefits	\$436,407	\$436,095			
Present Value of Fully Projected Benefits	79,397	77,147			
Present Value of Accrued (Earned) Benefits	62,578	60,193			
Unfunded Actuarial Accrued Liability*	\$4,132	\$3,797			
Valuation Interest Rate**	7.90%	7.90%			
*F- " DEDO 4 TDO 4 - "-!! FOFF 4					

*For PERS 1, TRS 1, and LEOFF 1. **7.50% in LEOFF 2.

Assets

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

Assets				
(Dollars in Millions)	2012	2011		
All Systems				
Market Value of Assets	\$56,753	\$57,350		
Actuarial Value of Assets	63,122	60,654		
Contributions*	1,754	1,456		
Disbursements	3,137	2,980		
Investment Return	747	10,121		
Other**	\$39	\$53		
Rate of Return on Assets***	1.40%	21.14%		
4E 1 1E 1				

^{*}Employee and Employer.

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.

See the **Actuarial Exhibits** section of this report for a summary of assets by system

^{**}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.

and plan, and for the development of the Actuarial Value of Assets

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 is not automatically considered over-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. 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.

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				
(Dollars in Millions)	2012	2011		
All Systems				
a. Projected Unit Credit Liability	\$62,578	\$60,193		
b. Market Value of Assets	56,753	57,350		
c. Deferred Gains/(Losses)	(6,369)	(3,304)		
d. Actuarial Value of Assets (b-c)	63,122	60,654		
e. Unfunded Liability (a-d)	(\$544)	(\$461)		
f. Projected Unit Credit Funded Ratio (d/a)	101%	101%		

Note: Totals may not agree due to rounding.

Participant Data

The table below summarizes participant data used in the actuarial valuation for the plan year ending June 30, 2012, along with information from last year's valuation. See the Participant Data section of this report for participant data summarized by system and plan.

Participant Data				
All Systems	2012	2011		
Active Members				
Number	289,727	293,276		
Total Salaries (in Millions)	\$16,245	\$16,313		
Average Annual Salary	\$56,069	\$55,623		
Average Attained Age	47.8	47.5		
Average Service	12.4	12.1		
Retirees and Beneficiaries				
Number	143,942	138,337		
Average Annual Benefit	\$21,321	\$21,023		
Terminated Members				
Number Vested	51,808	50,120		
Number "Non-Vested"	116,109	113,601		



Key Assumptions

This table displays key economic assumptions used in the actuarial valuation. These assumptions were not changed from last year's valuation. See the Actuarial Methods and Assumptions in the **Appendix** for a detailed listing of assumptions used in this valuation.

Key Assumptions			
All Systems			
Valuation Interest Rate*	7.90%		
Salary Increase	3.75%		
Inflation	3.00%		
Growth in Membership**	0.95%		

^{*7.50%} in LEOFF 2.

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





Office of the State Actuary

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Actuarial Certification Letter Report of the Combined Actuarial Valuation As of June 30, 2012 August 2013

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, 2012, valuation date consistent with the prescribed funding policies. These contribution requirements are purely informational since, according to state law, this "off-cycle" valuation is not used to determine contribution rates. 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.

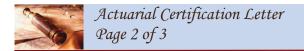
The valuation results summarized in this report involve calculations that require assumptions about future economic and demographic events. We believe that the assumptions and methods used in the underlying valuation are reasonable and appropriate for the primary purpose stated above. The use of another 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. The Pension Funding Council (PFC) and the Law Enforcement Officers' and Fire Fighters' (LEOFF) Plan 2 Board adopted updates to the demographic assumptions as part of their review of the 2001 – 2006 Experience Study results and adoption of the associated contribution rates. Additionally, the LEOFF 2 Board adopted new disability assumptions in the 2010 Interim. See the LEOFF 2 Disability Experience Study available on the LEOFF 2 website. 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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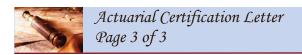
DRS provided financial and asset information. An audit of the financial and participant data was not performed. We relied on all the information provided as complete and accurate. In our opinion, this information is adequate and substantially complete for purposes of this valuation.

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 active members of PERS, the School Employees' Retirement System, the Public Safety Employees' Retirement System (PSERS), and TRS Plans 2/3 as well as projected payroll from future new members. This is a non-standard amortization method since it includes payroll outside the plan. Additionally, the new 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.

During the 2012 Interim, the LEOFF 2 Retirement Board adopted a stable contribution rate policy for 2013-17. The adopted rates are shown in the **Actuarial Exhibits** section of this report. For additional details, please see the Executive Summary and Certification Letter in the 2011 LEOFF 2 Actuarial Valuation report, available on the <u>LEOFF 2 website</u>.

During the 2012 Interim, the PFC adopted stable normal cost rates in PSERS and the Washington State Patrol Retirement System (WSPRS) to prevent a temporary rate decrease, followed by an expected contribution rate increase. This temporary funding policy produces contribution rates, at June 30, 2011, that exceed the requirements under the plans' actuarial cost method and long-term funding policy. In our opinion, this temporary funding policy is reasonable and consistent with the PFC's goals. The adoption of normal cost contribution rates for PSERS and WSPRS below the current stable normal cost rates could also be reasonable, but potentially inconsistent with the PFC's goals.



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

Office of the State Actuary

Contribution Rates

Member and E	mployer Ra	te Summary	,	
	Pla	ın 1	Plai	n 2/3
	2012	2011	2012	2011
PERS				
Member*	6.00%	6.00%	4.83%	4.92%
Employer (Normal Cost)	4.94%	5.03%	4.94%	5.03%
Employer (Plan 1 UAAL)	4.21%	4.00%	4.21%	4.00%
Total Employer	9.15%	9.03%	9.15%	9.03%
TRS				
Member*	6.00%	6.00%	4.95%	4.96%
Employer (Normal Cost)	5.72%	5.73%	5.72%	5.73%
Employer (Plan 1 UAAL)	4.96%	4.48%	4.96%	4.48%
Total Employer	10.68%	10.21%	10.68%	10.21%
SERS				
Member*	N/A	N/A	4.59%	4.64%
Employer (Normal Cost)	N/A	N/A	5.59%	5.64%
Employer (PERS Plan 1 UAAL)	N/A	N/A	4.21%	4.00%
Total Employer	N/A	N/A	9.80%	9.64%
PSERS				
Member	N/A	N/A	6.07%	6.22%
Employer (Normal Cost)	N/A	N/A	6.07%	6.22%
Employer (PERS Plan 1 UAAL)	N/A	N/A	4.21%	4.00%
Total Employer	N/A	N/A	10.28%	10.22%
LEOFF				
Member	0.00%	0.00%	7.74%	7.57%
Employer	0.00%	0.00%	4.64%	4.54%
State (Normal Cost)	0.00%	0.00%	3.10%	3.03%
State (Plan 1 UAAL)	0.00%	0.00%	0.00%	0.00%
Total State	0.00%	0.00%	3.10%	3.03%
WSPRS				
Member	6.44%	6.31%	6.44%	6.31%
Employer (State)	7.76%	7.63%	7.76%	7.63%

Note: Employer rates exclude administrative expense rate.

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

	Development of 2012 Employer/State Rates													
		PE	RS	Т	RS	SERS	PSERS	LE	OFF	WSPRS				
		Plan 1	Plan 2/3	Plan 1	Plan 2/3	Plan 2/3	Plan 2	Plan 1	Plan 2					
a.	Total Normal Cost	10.94%	9.77%	11.72%	10.67%	10.18%	12.14%	0.00%	15.48%	14.20%				
b.	Member Normal Cost*	6.00%	4.83%	6.00%	4.95%	4.59%	6.07%	0.00%	7.74%	6.44%				
C.	Employer Contribution (a-b)	4.94%	4.94%	5.72%	5.72%	5.59%	6.07%	0.00%	7.74%	7.76%				
d.	Cost to Amortize UAAL	4.21%	4.21%	4.96%	4.96%	4.21%	4.21%	0.00%	0.00%	N/A				
e.	Total Employer Rate (c+d)**	9.15%	9.15%	10.68%	10.68%	9.80%	10.28%	0.00%	4.64%	7.76%				

Employer rates exclude administrative expense rate.

TRS	Plan 2 Maximu	um Member Cont	ribution Rates	;
Valuation Year	Prior Max	Supplemental	Source	New Max
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 L08	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	mum Member Co	ontribution Ra	tes
Valuation Year	Prior Max	Supplemental	Source	New Max
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.

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.

^{*}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 7.74% to 4.64%.

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

	Developmen	nt of Normal	Cost Rates	6			
(Dol	lars in Millions)	PERS 2/3	TRS 2/3	SERS 2/3	PSERS 2	LEOFF 2	WSPRS
	Calculation of Member Normal Cost Rate						
a.	Future Value of Fully Projected Benefits	\$188,840	\$88,443	\$22,938	\$6,521	\$65,777	\$5,680
b.	Present Value of Fully Projected Benefits	\$28,796	\$10,240	\$3,893	\$488	\$9,202	\$1,019
C.	Valuation Assets	22,653	7,758	3,100	180	7,222	982
d.	Unfunded Fully Projected Benefits (b - c)	6,144	2,482	792	308	1,980	37
e.	Past Liability Balance	58	225	76	0	0	10
f.	Adjusted Unfunded (d - e)	\$6,086	\$2,257	\$717	\$308	\$1,980	\$27
P	Present Value of Projected Salaries to Current Memb	ers (PVS)					
g.	Plan 1 PVS	N/A	N/A	N/A	N/A	N/A	\$411
h.	Plan 2 PVS	56,029	6,540	4,430	2,532	16,768	349
i.	Plan 3 PVS	13,969	34,524	6,759	N/A	N/A	N/A
j.	Weighted PVS (2g + 2h + i)	\$126,026	\$47,604	\$15,619	\$5,064	\$33,535	\$1,520
k.	Employee Normal Cost (f / j)	4.83%	4.74%	4.59%	6.07%	5.90%	1.78%
I.	Employee Minimum Contribution Rate	3.96%	4.95%	4.22%	5.51%	7.74%	6.44%
m.	Prior Year Employee Maximum Contribution Rate ¹	N/A	8.64%	N/A	N/A	N/A	7.19%
n.	Employee Contribution Rate with Max/Min	4.83%	4.95%	4.59%	6.07%	7.74%	6.44%
0.	Change In Plan Provisions (Laws of 2013)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
p.	Employee Contribution Rate (n + o) ²	4.83%	4.95%	4.59%	6.07%	7.74%	6.44%
2. C	Calculation of Employer Normal Cost Rate						
a.	Present Value of Fully Projected Benefits	\$28,796	\$10,240	\$3,893	\$488	\$9,202	\$1,019
b.	Valuation Assets	22,653	7,758	3,100	180	7,222	982
C.	Unfunded Benefits (a - b)	6,144	2,482	792	308	1,980	37
d.	Present Value of Employee Contributions	2,706	310	203	154	990	14
e.	Past Liability Balance	58	225	76	0	0	10
f.	Employer Responsibility (c - d - e)	\$3,380	\$1,947	\$513	\$154	\$990	\$14
F	Present Value of Projected Salaries to Current Memb	ers (PVS)					
g.	Plan 1 PVS	N/A	N/A	N/A	N/A	N/A	411
h.	Plan 2 PVS	56,029	6,540	4,430	2,532	16,768	349
i.	Plan 3 PVS	13,969	34,524	6,759	N/A	N/A	N/A
j.	Total PVS (g + h + i)	\$69,997	\$41,064	\$11,189	\$2,532	\$16,768	\$760
k.	Employer Normal Cost (f / j)	4.83%	4.74%	4.59%	6.07%	5.90%	1.78%
I.	Employer Minimum Contribution Rate	3.96%	4.95%	4.22%	5.51%	7.74%	6.44%
m.	Employer Contribution Rate with Minimum	4.83%	4.95%	4.59%	6.07%	7.74%	6.44%
n.	Excess Employer Rate1	N/A	0.00%	N/A	N/A	N/A	0.00%
0.	Rate to Amortize Past Liability Balance ³	0.11%	0.77%	1.00%	N/A	N/A	1.32%
p.	Change In Plan Provisions (Laws of 2013)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
q.	Employer Contribution Rate (m + n + o + p)	4.94%	5.72%	5.59%	6.07%	7.74%	7.76%
3. N	Iormal Cost Rates Adopted for 2013-15 ⁴						
a.	Employee Contribution Rate ⁵	4.92%	4.96%	4.64%	6.36%	8.41%	6.59%
b.	Employer Contribution Rate ⁵	5.03%	5.73%	5.64%	6.36%	5.05%	7.91%
C.	State Contribution Rate ⁵	N/A	N/A	N/A	N/A	3.36%	N/A
d.	Total Contribution Rate (a + b + c)	9.95%	10.69%	10.28%	12.72%	16.82%	14.50%

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

 $^{^{2}}$ 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 LEOFF 2 Board; all others adopted by PFC.

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

	Amortization of the Plan 1 Unfunded Actuarial A	ccrued Liability	(UAAL)	
(Doll	ars in Millions)	PERS 1	TRS 1	LEOFF 1
a.	Future Value of Fully Projected Benefits	\$27,952	\$20,249	\$10,001
b.	Present Value of Fully Projected Benefits (PVFB)	\$12,514	\$9,111	\$4,132
С	Valuation Assets	\$8,521	\$7,145	\$5,562
d.	Actuarial Present Value of Future Normal Costs	\$137	\$72	\$0
e.	Balance of Plan 1 Benefit Improvements After 2009	\$132	\$59	N/A
f.	UAAL (b - c - d -e)	\$3,725	\$1,836	(\$1,429)
g.	Expected UAAL Contributions to 2013	N/A	N/A	\$0
h.	Remaining UAAL (f - g)	\$3,725	\$1,836	(\$1,429)
i.	Amortization Date	N/A	N/A	6/30/2024
j.	Present Value of Projected Salaries*	\$91,579	\$38,153	\$12,019
k.	Contribution Rate Before Adjustments (h / j)	4.07%	4.81%	(11.89%)
I.	Minimum Contribution Rate	0.00%	0.00%	N/A
m.	Maximum Contribution Rate, 2014-2015	6.00%	9.50%	N/A
n.	Preliminary Contribution Rate**	4.07%	4.81%	(11.89%)
Ο.	Plan 1 Benefit Improvements After 2009	0.14%	0.15%	N/A
p.	Change In Plan Provisions (Laws of 2013)	0.00%	0.00%	0.00%
q.	Contribution Rate to Amortize the UAAL (n + o + p)**	4.21%	4.96%	(11.89%)
Plan	1 UAAL Contribution Rates Adopted by PFC			
	Contribution Rate Adopted for 2013-15	4.00%	4.48%	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

		Pre	esent Value	of Fully F	Projected E	Benefits						
(Dollars in Millions)		PERS			TRS		SERS	PSERS		LEOFF		WSPRS
	Plan 1	Plan 2/3	Total	Plan 1	Plan 2/3	Total	Plan 2/3	Plan 2	Plan 1	Plan 2	Total	
Active Members												
Retirement	\$1,779	\$20,592	\$22,371	\$1,139	\$8,084	\$9,222	\$2,640	\$424	\$184	\$7,043	\$7,227	\$431
Termination	3	677	680	1	213	214	149	27	0	88	88	3
Death	13	191	204	6	70	76	31	3	2	65	67	4
Disability	3	137	140	0	8	8	14	2	1	406	407	2
Return of Contributions on Termination	2	292	293	0	16	16	24	19	0	82	82	2
Return of Contributions on Death	29	197	226	14	18	31	16	5	0	88	88	2
Total Active	\$1,829	\$22,086	\$23,915	\$1,159	\$8,409	\$9,567	\$2,875	\$479	\$186	\$7,774	\$7,961	\$443
Inactive Members												
Terminated	\$180	\$1,987	\$2,167	\$62	\$659	\$721	\$367	\$8	\$0	\$140	\$140	\$10
Service Retired	9,805	4,431	14,236	7,495	1,130	8,625	622	1	1,718	1,141	2,859	521
Disability Retired	121	112	233	83	11	94	12	0	1,720	89	1,809	5
Survivors	580	180	760	313	33	345	17	0	508	57	565	41
Total Inactive	\$10,686	\$6,710	\$17,396	\$7,952	\$1,832	\$9,784	\$1,018	\$9	\$3,946	\$1,428	\$5,374	\$576
Laws of 2013	0	0	0	0	0	0	0	0	0	1	1	0
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
2011 Total	\$12,722	\$27,336	\$40,058	\$9,313	\$9,762	\$19,075	\$3,696	\$455	\$4,150	\$8,720	\$12,870	\$994

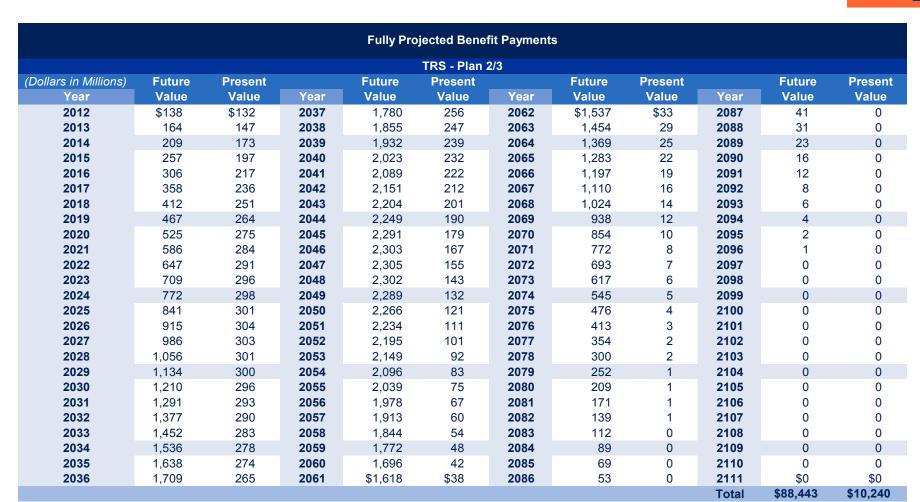
		Pres	sent Value	of Accrue	d (Earned)	Benefits*						
(Dollars in Millions)		PERS			TRS		SERS	PSERS		LEOFF		WSPR
	Plan 1	Plan 2/3	Total	Plan 1	Plan 2/3	Total	Plan 2/3	Plan 2	Plan 1	Plan 2	Total	
Active Members												
Retirement	\$1,637	\$12,754	\$14,391	\$1,087	\$4,784	\$5,871	\$1,658	\$103	\$173	\$4,183	\$4,356	\$274
Termination	3	407	410	1	120	120	92	10	0	53	53	2
Death	13	121	134	6	42	48	20	1	2	47	49	4
Disability	3	83	86	0	4	5	9	1	1	260	261	2
Return of Contributions on Termination	1	155	157	0	7	7	13	9	0	48	48	1
Return of Contributions on Death	26	116	141	12	10	22	10	2	0	52	52	1
Total Active	\$1,682	\$13,636	\$15,318	\$1,106	\$4,967	\$6,073	\$1,802	\$126	\$176	\$4,643	\$4,819	\$282
nactive Members												
Terminated	\$180	\$1,987	\$2,167	\$62	\$659	\$721	\$367	\$8	\$0	\$140	\$140	\$10
Service Retired	9,805	4,431	14,236	7,495	1,130	8,625	622	1	1,718	1,141	2,859	521
Disability Retired	121	112	233	83	11	94	12	0	1,720	89	1,809	5
Survivors	580	180	760	313	33	345	17	0	508	57	565	41
Total Inactive	\$10,686	\$6,710	\$17,396	\$7,952	\$1,832	\$9,784	\$1,018	\$9	\$3,946	\$1,428	\$5,374	\$576
_aws of 2013	0	0	0	0	0	0	0	0	0	1	1	0
2012 Total	\$12,368	\$20,347	\$32,714	\$9,058	\$6,799	\$15,857	\$2,820	\$135	\$4,121	\$6,071	\$10,193	\$859
2011 Total	\$12,567	\$18,815	\$31,382	\$9,258	\$6,299	\$15,557	\$2,607	\$107	\$4,135	\$5,576	\$9,711	\$829

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

				Fully Pi	rojected Bene	mi Payments					
					PERS - Pla	n 1					
(Dollars in Millions)	Future	Present		Future	Present		Future	Present		Future	Present
Year	Value	Value	Year	Value	Value	Year	Value	Value	Year	Value	Value
2012	\$1,235	\$1,189	2037	482	69	2062	\$5	\$0	2087	0	0
2013	1,243	1,109	2038	438	58	2063	4	0	2088	0	0
2014	1,245	1,030	2039	395	49	2064	3	0	2089	0	0
2015	1,241	951	2040	353	40	2065	3	0	2090	0	0
2016	1,234	876	2041	313	33	2066	3	0	2091	0	0
2017	1,220	803	2042	274	27	2067	2	0	2092	0	0
2018	1,201	733	2043	238	22	2068	2	0	2093	0	0
2019	1,177	665	2044	205	17	2069	2	0	2094	0	0
2020	1,149	602	2045	174	14	2070	2	0	2095	0	0
2021	1,118	543	2046	146	11	2071	1	0	2096	0	0
2022	1,085	488	2047	122	8	2072	1	0	2097	0	0
2023	1,050	438	2048	101	6	2073	1	0	2098	0	0
2024	1,014	392	2049	83	5	2074	1	0	2099	0	0
2025	978	350	2050	67	4	2075	1	0	2100	0	0
2026	939	312	2051	54	3	2076	1	0	2101	0	0
2027	900	277	2052	43	2	2077	1	0	2102	0	0
2028	860	245	2053	34	1	2078	0	0	2103	0	0
2029	819	217	2054	27	1	2079	0	0	2104	0	0
2030	778	191	2055	22	1	2080	0	0	2105	0	0
2031	737	167	2056	17	1	2081	0	0	2106	0	0
2032	696	146	2057	14	0	2082	0	0	2107	0	0
2033	654	128	2058	11	0	2083	0	0	2108	0	0
2034	612	111	2059	9	0	2084	0	0	2109	0	0
2035	569	95	2060	7	0	2085	0	0	2110	0	0
2036	526	82	2061	\$6	\$0	2086	0	0	2111	\$0	\$0
									Total	\$27,952	\$12,514

					PERS - Plan	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
2012	\$594	\$572	2037	4,542	653	2062	\$2,390	\$51	2087	45	0
2013	679	606	2038	4,625	617	2063	2,220	44	2088	34	0
2014	804	665	2039	4,723	584	2064	2,053	38	2089	25	0
2015	943	723	2040	4,801	550	2065	1,890	32	2090	18	0
2016	1,094	777	2041	4,823	512	2066	1,732	27	2091	13	0
2017	1,252	824	2042	4,834	475	2067	1,578	23	2092	9	0
2018	1,418	865	2043	4,838	441	2068	1,430	19	2093	6	0
2019	1,592	900	2044	4,843	409	2069	1,288	16	2094	4	0
2020	1,778	932	2045	4,829	378	2070	1,152	13	2095	3	0
2021	1,969	956	2046	4,763	346	2071	1,024	11	2096	2	0
2022	2,162	973	2047	4,681	315	2072	903	9	2097	1	0
2023	2,353	981	2048	4,586	286	2073	790	7	2098	1	0
2024	2,539	981	2049	4,479	259	2074	686	6	2099	0	0
2025	2,726	977	2050	4,357	233	2075	590	5	2100	0	0
2026	2,916	968	2051	4,222	210	2076	504	4	2101	0	0
2027	3,103	955	2052	4,076	187	2077	426	3	2102	0	0
2028	3,278	935	2053	3,923	167	2078	357	2	2103	0	0
2029	3,450	912	2054	3,764	149	2079	295	2	2104	0	0
2030	3,616	886	2055	3,598	132	2080	242	1	2105	0	0
2031	3,778	858	2056	3,429	116	2081	196	1	2106	0	0
2032	3,929	827	2057	3,257	102	2082	158	1	2107	0	0
2033	4,072	794	2058	3,083	90	2083	126	1	2108	0	0
2034	4,244	767	2059	2,909	79	2084	99	0	2109	0	0
2035	4,380	734	2060	2,735	68	2085	77	0	2110	0	0
2036	4,466	693	2061	\$2,562	\$59	2086	59	0	2111	\$0	\$0

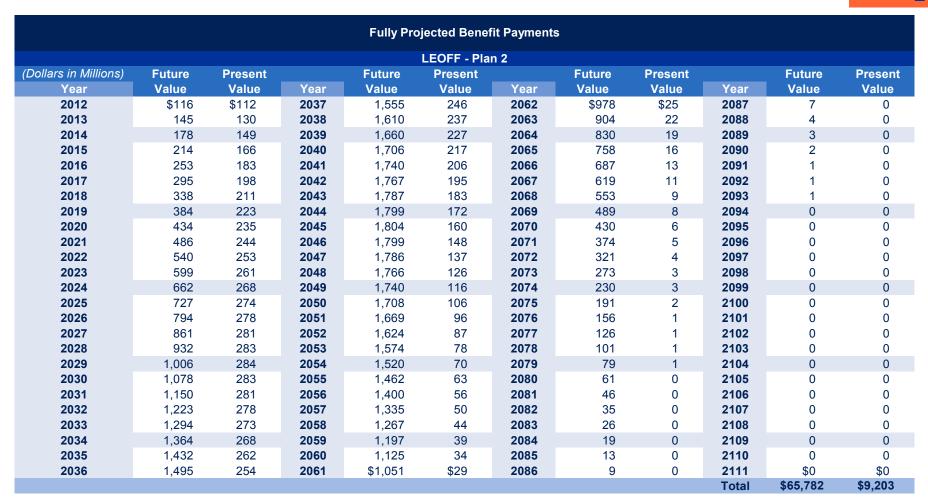
				Fully Pr	ojected Bene	it Payments	S				
					TRS - Plan	1					
(Dollars in Millions)	Future	Present		Future	Present		Future	Present		Future	Present
Year	Value	Value	Year	Value	Value	Year	Value	Value	Year	Value	Value
2012	\$901	\$867	2037	350	50	2062	\$3	\$0	2087	0	0
2013	913	814	2038	320	43	2063	2	0	2088	0	0
2014	918	759	2039	289	36	2064	2	0	2089	0	0
2015	916	702	2040	259	30	2065	2	0	2090	0	0
2016	908	645	2041	230	24	2066	2	0	2091	0	0
2017	895	589	2042	202	20	2067	2	0	2092	0	0
2018	878	536	2043	175	16	2068	2	0	2093	0	0
2019	858	485	2044	150	13	2069	1	0	2094	0	0
2020	837	438	2045	127	10	2070	1	0	2095	0	0
2021	812	395	2046	107	8	2071	1	0	2096	0	0
2022	786	354	2047	89	6	2072	1	0	2097	0	0
2023	759	317	2048	73	5	2073	1	0	2098	0	0
2024	731	283	2049	59	3	2074	1	0	2099	0	0
2025	702	252	2050	47	3	2075	1	0	2100	0	0
2026	673	223	2051	38	2	2076	1	0	2101	0	0
2027	643	198	2052	30	1	2077	1	0	2102	0	0
2028	612	175	2053	24	1	2078	1	0	2103	0	0
2029	582	154	2054	18	1	2079	1	0	2104	0	0
2030	551	135	2055	14	1	2080	0	0	2105	0	0
2031	522	119	2056	11	0	2081	0	0	2106	0	0
2032	493	104	2057	9	0	2082	0	0	2107	0	0
2033	465	91	2058	7	0	2083	0	0	2108	0	0
2034	437	79	2059	5	0	2084	0	0	2109	0	0
2035	408	68	2060	4	0	2085	0	0	2110	0	0
2036	379	59	2061	\$3	\$0	2086	0	0	2111	\$0	\$0
									Total	\$20,249	\$9,111



					SERS - Plan	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
2012	\$73	\$71	2037	603	87	2062	\$228	\$5	2087	5	0
2013	90	80	2038	605	81	2063	210	4	2088	4	0
2014	108	90	2039	610	75	2064	192	4	2089	3	0
2015	128	98	2040	609	70	2065	176	3	2090	2	0
2016	150	107	2041	605	64	2066	160	3	2091	2	0
2017	174	114	2042	599	59	2067	145	2	2092	1	0
2018	200	122	2043	591	54	2068	131	2	2093	1	0
2019	227	128	2044	585	49	2069	118	1	2094	1	0
2020	256	134	2045	575	45	2070	105	1	2095	0	0
2021	284	138	2046	560	41	2071	94	1	2096	0	0
2022	313	141	2047	544	37	2072	83	1	2097	0	0
2023	342	143	2048	527	33	2073	73	1	2098	0	0
2024	371	143	2049	508	29	2074	64	1	2099	0	0
2025	399	143	2050	488	26	2075	56	0	2100	0	0
2026	425	141	2051	467	23	2076	48	0	2101	0	0
2027	451	139	2052	446	21	2077	41	0	2102	0	0
2028	474	135	2053	423	18	2078	35	0	2103	0	0
2029	496	131	2054	400	16	2079	29	0	2104	0	0
2030	517	127	2055	377	14	2080	24	0	2105	0	0
2031	536	122	2056	355	12	2081	20	0	2106	0	0
2032	551	116	2057	332	10	2082	16	0	2107	0	0
2033	564	110	2058	310	9	2083	13	0	2108	0	0
2034	582	105	2059	289	8	2084	11	0	2109	0	0
2035	594	100	2060	268	7	2085	8	0	2110	0	0
2036	600	93	2061	\$248	\$6	2086	7	0	2111	\$0	\$0
				¥= . •	4 •		•		Total	\$22,938	\$3,893

				Fully Pro	jected Bene	fit 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
2012	\$3	\$3	2037	101	15	2062	\$151	\$3	2087	3	0
2013	3	2	2038	109	15	2063	144	3	2088	2	0
2014	3	2	2039	118	15	2064	136	3	2089	1	0
2015	3	3	2040	128	15	2065	128	2	2090	1	0
2016	4	3	2041	136	14	2066	120	2	2091	1	0
2017	5	3	2042	145	14	2067	112	2	2092	0	0
2018	7	4	2043	155	14	2068	103	1	2093	0	0
2019	8	5	2044	164	14	2069	95	1	2094	0	0
2020	10	5	2045	172	13	2070	86	1	2095	0	0
2021	12	6	2046	179	13	2071	78	1	2096	0	0
2022	15	7	2047	185	12	2072	69	1	2097	0	0
2023	18	8	2048	189	12	2073	61	1	2098	0	0
2024	22	8	2049	192	11	2074	53	0	2099	0	0
2025	25	9	2050	194	10	2075	46	0	2100	0	0
2026	29	10	2051	195	10	2076	39	0	2101	0	0
2027	34	10	2052	194	9	2077	33	0	2102	0	0
2028	39	11	2053	192	8	2078	27	0	2103	0	0
2029	45	12	2054	190	8	2079	22	0	2104	0	0
2030	52	13	2055	187	7	2080	18	0	2105	0	0
2031	58	13	2056	183	6	2081	14	0	2106	0	0
2032	65	14	2057	179	6	2082	11	0	2107	0	0
2033	72	14	2058	174	5	2083	8	0	2108	0	0
2034	79	14	2059	169	5	2084	6	0	2109	0	0
2035	86	14	2060	164	4	2085	5	0	2110	0	0
2036	94	15	2061	\$157	\$4	2086	4	0	2111	\$0	\$0
									Total	\$6,521	\$488

					ojected Bene						
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
2012	\$352	\$339	2037	205	30	2062	\$1	\$0	2087	0	0
2013	360	321	2038	187	25	2063	1	0	2088	0	0
2014	366	303	2039	169	21	2064	1	0	2089	0	0
2015	371	284	2040	151	17	2065	1	0	2090	0	0
2016	375	266	2041	134	14	2066	0	0	2091	0	0
2017	378	249	2042	117	11	2067	0	0	2092	0	0
2018	379	231	2043	101	9	2068	0	0	2093	0	0
2019	380	215	2044	87	7	2069	0	0	2094	0	0
2020	379	199	2045	73	6	2070	0	0	2095	0	0
2021	377	183	2046	61	4	2071	0	0	2096	0	0
2022	375	169	2047	51	3	2072	0	0	2097	0	0
2023	371	155	2048	42	3	2073	0	0	2098	0	0
2024	367	142	2049	34	2	2074	0	0	2099	0	0
2025	361	129	2050	27	1	2075	0	0	2100	0	0
2026	355	118	2051	22	1	2076	0	0	2101	0	0
2027	347	107	2052	17	1	2077	0	0	2102	0	0
2028	338	96	2053	13	1	2078	0	0	2103	0	0
2029	328	87	2054	10	0	2079	0	0	2104	0	0
2030	316	77	2055	8	0	2080	0	0	2105	0	0
2031	303	69	2056	6	0	2081	0	0	2106	0	0
2032	289	61	2057	5	0	2082	0	0	2107	0	0
2033	274	53	2058	4	0	2083	0	0	2108	0	0
2034	258	47	2059	3	0	2084	0	0	2109	0	0
2035	241	40	2060	2	0	2085	0	0	2110	0	0
2036	224	35	2061	\$2	\$0	2086	0	0	2111	\$0	\$0
									Total	\$10,001	\$4,132



					ojected Bene	, , , , , , , , , , , , , , , , , , ,					
WSPRS - Plan 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
2012	\$44	\$42	2037	129	19	2062	\$72	\$2	2087	1	0
2013	46	41	2038	130	17	2063	66	1	2088	0	0
2014	49	40	2039	132	16	2064	61	1	2089	0	0
2015	52	40	2040	132	15	2065	56	1	2090	0	0
2016	56	40	2041	133	14	2066	50	1	2091	0	0
2017	59	39	2042	133	13	2067	45	1	2092	0	0
2018	63	38	2043	133	12	2068	40	1	2093	0	0
2019	66	37	2044	132	11	2069	36	0	2094	0	0
2020	69	36	2045	132	10	2070	31	0	2095	0	0
2021	73	36	2046	131	9	2071	27	0	2096	0	0
2022	77	35	2047	129	9	2072	23	0	2097	0	0
2023	81	34	2048	128	8	2073	20	0	2098	0	0
2024	85	33	2049	126	7	2074	17	0	2099	0	0
2025	89	32	2050	123	7	2075	14	0	2100	0	0
2026	93	31	2051	121	6	2076	12	0	2101	0	0
2027	97	30	2052	118	5	2077	10	0	2102	0	0
2028	101	29	2053	115	5	2078	8	0	2103	0	0
2029	105	28	2054	111	4	2079	6	0	2104	0	0
2030	108	26	2055	107	4	2080	5	0	2105	0	0
2031	111	25	2056	103	3	2081	4	0	2106	0	0
2032	115	24	2057	98	3	2082	3	0	2107	0	0
2033	118	23	2058	93	3	2083	2	0	2108	0	0
2034	121	22	2059	88	2	2084	2	0	2109	0	0
2035	124	21	2060	83	2	2085	1	0	2110	0	0
2036	127	20	2061	\$78	\$2	2086	1	0	2111	\$0	\$0
									Total	\$5,680	\$1,019

Plan Assets

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

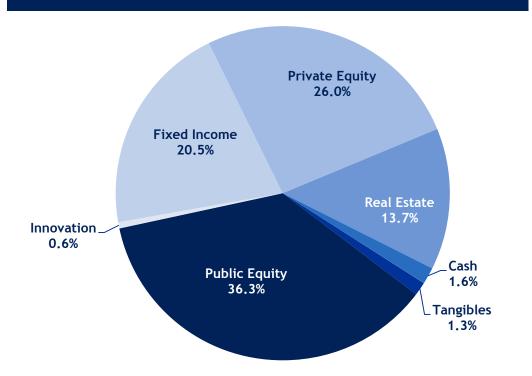
Fixed Income: Securities representing debt obligations and usually having fixed payments and maturities. Different types of fixed income securities include government and corporate bonds, mortgage-backed securities, asset-backed securities, convertible issues, and may also include money-market instruments.

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 start-up 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 in Market Value of Assets									
(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			
2011 Market Value	\$8,178	\$20,097	\$28,274	\$6,902	\$6,839	\$13,741			
Revenue									
Contributions									
Employee	24	310	334	14	30	44			
Employer/State	257	385	642	112	214	326			
Total Contributions	282	695	977	126	244	370			
Investment Return	86	285	371	73	96	170			
Restorations	7	16	23	4	1	5			
Transfers In	0	0	0	0	0	0			
Miscellaneous	0	0	0	0	0	0			
Total Revenue	\$375	\$996	\$1,372	\$203	\$341	\$544			
Disbursements									
Monthly Benefits**	\$1,174	\$377	\$1,551	\$914	\$91	\$1,005			
Refunds	5	36	40	2	2	4			
Total Benefits	1,178	413	1,591	915	94	1,009			
Transfers Out	0	1	1	0	0	0			
Expenses	1	1	1	0	0	0			
Total Disbursements	\$1,179	\$415	\$1,594	\$916	\$94	\$1,010			
Payables	\$0	\$0	\$0	\$0	\$0	\$0			
2012 Market Value	\$7,374	\$20,678	\$28,052	\$6,189	\$7,087	\$13,276			
2012 Actuarial Value	\$8,521	\$22,653	\$31,173	\$7,145	\$7,758	\$14,902			
Ratio (AV/MV)	116%	110%	111%	115%	109%	112%			

^{*}Defined Benefit portion only.

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

Change in Market Value of Assets									
		(Co	ontinued)						
(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			
2011 Market Value	\$2,746	\$143	\$5,185	\$6,366	\$11,550	\$895	\$57,350		
Revenue									
Contributions									
Employee	24	15	0	133	133	5	556		
Employer/State	75	15	0	133	133	6	1,198		
Total Contributions	99	31	0	266	266	12	1,754		
Investment Return	38	3	61	93	154	11	747		
Restorations	0	0	1	7	8	2	38		
Transfers In	0	0	0	0	0	0	1		
Miscellaneous	0	0	0	0	0	0	0		
Total Revenue	\$137	\$33	\$63	\$365	\$428	\$25	\$2,540		
Disbursements									
Monthly Benefits	54	0	343	78	422	40	3,072		
Refunds	3	2	0	11	12	0	60		
Total Benefits	56	2	344	89	433	41	3,132		
Transfers Out	0	0	0	0	0	0	2		
Expenses	0	0	0	1	1	0	3		
Total Disbursements	\$57	\$2	\$344	\$91	\$435	\$41	\$3,137		
Payables	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
2012 Market Value	\$2,827	\$174	\$4,903	\$6,640	\$11,544	\$879	\$56,753		
2012 Actuarial Value	\$3,100	\$180	\$5,562	\$7,222	\$12,783	\$982	\$63,122		
Ratio (AV/MV)	110%	103%	113%	109%	111%	112%	111%		

^{*}Defined Benefit portion only.

	Calculation of Actuarial Value of Assets											
(Do	ollars in Millions)			PERS 1	PERS 2/3*	TRS 1	TRS 2/3*	SERS 2/3*				
a.	Market Value	\$7,374	\$20,678	\$6,189	\$7,087	\$2,827						
b.	Deferred Gair	ns and (Loss	ses)									
	Plan Year	Years	Years									
	Ending	Deferred	Remaining									
	6/30/2012	7	6	(\$450)	(\$1,122)	(\$377)	(\$382)	(\$153)				
	6/30/2011	8	6	716	1,619	601	550	221				
	6/30/2010	6	3	207	365	170	123	50				
	6/30/2009	8	4	(1,598)	(2,742)	(1,333)	(933)	(379)				
	6/30/2008	8	3	(379)	(615)	(318)	(212)	(87)				
	6/30/2007	8	2	267	397	226	140	57				
	9/30/2006	8	1	91	124	77	44	18				
	Total Deferral			(\$1,147)	(\$1,974)	(\$955)	(\$671)	(\$273)				
C.	Market Value	less Deferra	al (a-b)	\$8,521	\$22,653	\$7,145	\$7,758	\$3,100				
d.	70% of Marke	et Value of A	ssets	\$5,162	\$14,475	\$4,332	\$4,961	\$1,979				
e.	130% of Mark	cet Value of	Assets	\$9,586	\$26,882	\$8,046	\$9,213	\$3,675				
f.	Actuarial Val	ue of Asset	S**	\$8,521	\$22,653	\$7,145	\$7,758	\$3,100				

^{*}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 at 6/30/2012	\$174	\$4,903	\$6,640	\$879	\$56,753				

b.	Defe	erred	Gains	and	(Losses)

υ.	Bololioa Ga	ino ana (Loss	CO)					
	Plan Year	Years	Years					
	Ending	Deferred	Remaining					
	6/30/2012	7	6	(\$8)	(\$287)	(\$334)	(\$50)	(\$3,163)
	6/30/2011	8	6	10	439	524	74	4,755
	6/30/2010	3, 5, 6*	0, 2, 3*	0	117	87	18	1,137
	6/30/2009	8	4	(7)	(911)	(827)	(142)	(8,872)
	6/30/2008	8	3	(1)	(214)	(184)	(33)	(2,043)
	6/30/2007	8	2	0	148	116	22	1,372
	9/30/2006	2, 8**	0, 1**	0	49	36	7	446
	Total Deferral			(\$6)	(\$658)	(\$581)	(\$103)	(\$6,369)
C.	Market Value	e less Deferra	ıl (a-b)	\$180	\$5,562	\$7,222	\$982	\$63,122
d.	70% of Mark	et Value of A	ssets	\$122	\$3,432	\$4,648	\$615	\$39,727
e.	130% of Mar	ket Value of	Assets	\$227	\$6,374	\$8,633	\$1,143	\$73,779
f.	Actuarial Va	lue of Asset	S***	\$180	\$5,562	\$7,222	\$982	\$63,122

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

^{**}PSERS Plan 2 = 2 years deferred, 0 years remaining; all other plans = 8 years deferred, 1 year remaining.

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

	Investment Gains and (Losses) for Prior Year										
(Do	llars in Millions)	PERS 1	PERS 2/3*	TRS 1	TRS 2/3*	SERS 2/3*					
a.	2011 Market Value (at WSIB)	\$8,180	\$20,061	\$6,905	\$6,817	\$2,737					
b.	Total Cash Flow	(889)	281	(785)	139	36					
C.	2012 Market Value (at WSIB)	7,378	20,630	6,194	7,055	2,812					
d.	Actual Return (c - b - a)	\$87	\$288	\$74	\$98	\$39					
e.	Weighted Asset Amount	\$7,746	\$20,214	\$6,509	\$6,886	\$2,755					
f.	Expected Return (7.9% x e)	612	1,597	514	544	218					
g.	Investment Gain/(Loss) for Prior Year (d - f)	(525)	(1,309)	(440)	(446)	(179)					
h.	Dollar-Weighted Rate of Return	1.13%	1.42%	1.14%	1.43%	1.42%					

^{*}Defined Benefit portion only.

	Investment Gains and (Losses) for Prior Year (Continued)											
(Do	llars in Millions)	PSERS 2	LEOFF 1	LEOFF 2	WSPRS	Total						
a.	2011 Market Value (at WSIB)	\$141	\$5,185	\$6,349	\$894	\$57,268						
b.	Total Cash Flow	29	(343)	177	(28)	(1,383)						
C.	2012 Market Value (at WSIB)	172	4,903	6,620	878	56,643						
d.	Actual Return (c - b - a)	\$3	\$62	\$94	\$12	\$757						
e.	Weighted Asset Amount	\$155	\$5,019	\$6,442	\$882	\$56,609						
f.	Expected Return (7.9% x e)*	12	397	483	70	4,446						
g.	Investment Gain/(Loss) for Prior Year (d - f)	(9)	(335)	(390)	(58)	(3,691)						
h.	Dollar-Weighted Rate of Return	1.80%	1.23%	1.45%	1.31%	1.34%						

^{*} 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 7.9 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 2012 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.

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

	Funded Status on an Actuarial Value Basis*										
(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	\$12,368	\$20,347	\$9,058	\$6,799	\$2,820	\$135	\$4,121	\$6,071	\$859	\$62,578	
Valuation Assets	\$8,521	\$22,653	\$7,145	\$7,758	\$3,100	\$180	\$5,562	\$7,222	\$982	\$63,122	
Unfunded Liability	\$3,847	(\$2,306)	\$1,914	(\$959)	(\$280)	(\$45)	(\$1,440)	(\$1,150)	(\$123)	(\$544)	
Funded Ratio											
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 7.9% (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 Actuarial Valuation Report (AVR) was published.

The present value of actuarial liabilities is sensitive to the interest rate assumption. The following tables 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 1% Lower Interest Rate Assumption*										
(Dollars in Millions)	PE	RS	TF	เร	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	\$13,372	\$23,618	\$9,790	\$8,025	\$3,263	\$167	\$4,498	\$7,207	\$982	\$70,921
Valuation Assets	\$8,521	\$22,653	\$7,145	\$7,758	\$3,100	\$180	\$5,562	\$7,222	\$982	\$63,122
Unfunded Liability	\$4,851	\$966	\$2,646	\$267	\$163	(\$14)	(\$1,064)	(\$15)	\$0	\$7,800
Funded Ratio										
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 1% Higher Interest Rate Assumption*										
(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	\$11,495	\$17,713	\$8,422	\$5,829	\$2,461	\$111	\$3,797	\$5,177	\$759	\$55,766
Valuation Assets	\$8,521	\$22,653	\$7,145	\$7,758	\$3,100	\$180	\$5,562	\$7,222	\$982	\$63,122
Unfunded Liability	\$2,975	(\$4,939)	\$1,278	(\$1,929)	(\$639)	(\$69)	(\$1,764)	(\$2,045)	(\$223)	(\$7,356)
Funded Ratio										
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 6.9% (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 Actuarial Valuation Report (AVR) was published.

^{*}Liabilities valued using the PUC cost method at an interest rate of 8.9% (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 Actuarial Valuation Report (AVR) was published.

b

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 Value Basis*										
(Dollars in Millions)	PERS	TRS	LEOFF							
	Plan 1	Plan 1	Plan 1							
Projected Unit Credit Liability	\$15,748	\$11,524	\$5,400							
Market Value of Assets	7,374	6,189	4,903							
Unfunded Liability	\$8,374	\$5,335	\$497							
Funded Ratio										
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.
- ◆To determine 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 and State Contribution Rate by Source											
Change in Employer Rate	PERS	TRS	SERS*	PSERS*	LEOFF**	WSPRS									
2011 Contribution Rate Before Laws of 2012	9.03%	10.21%	9.64%	10.22%	(6.46%)	7.63%									
Remove Rate Floor / Ceiling	0.00%	0.00%	0.00%	0.00%	(0.55%)	(4.12%)									
-					(0.5576) N/A	(4.12 /6) N/A									
Remove Plan 1 Benefit Improvements After 2009	(0.14%)	(0.15%)	(0.14%)	(0.14%)											
Remove Prior Liability and LEOFF 1 Funding Method Changes	(0.11%)	(0.77%)	(1.00%)	0.00%	(2.12%)	(1.32%)									
2011 Adjusted Contribution Rate	8.78%	9.29%	8.50%	10.08%	(9.13%)	2.19%									
Liability Gains/Losses	(0.22%)	(0.59%)	(0.23%)	0.00%	0.07%	(0.63%)									
Asset Gains/Losses	0.63%	1.01%	0.46%	0.01%	0.69%	0.45%									
Present Value of Future Salaries Gains/Losses	(0.32%)	(0.25%)	(0.17%)	(0.11%)	(0.45%)	(0.04%)									
Incremental Changes	0.07%	0.15%	0.00%	0.00%	(0.39%)	(0.16%)									
Other Gains/Losses	(0.04%)	(0.06%)	0.10%	0.16%	(0.32%)	(0.03%)									
Total Change	0.12%	0.26%	0.16%	0.06%	(0.40%)	(0.41%)									
2012 Preliminary Contribution Rate	8.90%	9.55%	8.66%	10.14%	(9.53%)	1.78%									
Increase from Applied Rate Floor	0.00%	0.21%	0.00%	0.00%	0.74%	4.66%									
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	0.00%									
Laws of 2013	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%									
2012 Adjusted Contribution Rate	9.15%	10.68%	9.80%	10.28%	(8.79%)	7.76%									

^{*}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	lormal Cos	t Rate by So	ource		
Change in Normal Costs	PERS	TRS	SERS	PSERS	LEOFF*	WSPRS**
2011 Normal Cost Before Laws of 2012	5.03%	5.73%	5.64%	6.22%	3.03%	7.63%
Remove Rate Floor / Ceiling	0.00%	0.00%	0.00%	0.00%	(0.55%)	(4.12%)
Remove Prior Employer Liability	(0.11%)	(0.77%)	(1.00%)	0.00%	0.00%	(1.32%)
2011 Adjusted Normal Cost Rate	4.92%	4.96%	4.64%	6.22%	2.48%	2.19%
Liabilities						
Salaries	(0.54%)	(0.83%)	(0.62%)	(0.36%)	(0.22%)	(0.83%)
Termination	(0.11%)	(0.28%)	(0.13%)	(0.15%)	(0.01%)	(0.17%)
Retirement	0.02%	0.04%	0.03%	0.01%	(0.01%)	(0.08%)
Growth / Return to Work	0.38%	0.64%	0.44%	0.53%	0.13%	0.46%
Other Liabilities	0.09%	0.04%	0.05%	(0.03%)	0.04%	(0.01%)
Total Liability Gains/Losses	(0.16%)	(0.39%)	(0.23%)	0.00%	(0.07%)	(0.63%)
Asset Gains/Losses	0.24%	0.30%	0.46%	0.01%	0.01%	0.45%
Present Value of Future Salaries Gains/Losses	(0.13%)	(0.09%)	(0.17%)	(0.11%)	(0.03%)	(0.04%)
Incremental Changes						
Plan Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Method Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Assumption Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Correction Change	0.00%	0.00%	0.00%	0.00%	0.00%	(0.16%)
Total Incremental Changes Gains/Losses	0.00%	0.00%	0.00%	0.00%	0.00%	(0.16%)
Other Gains/Losses	(0.04%)	(0.04%)	(0.11%)	(0.05%)	(0.03%)	(0.03%)
Total Change	(0.09%)	(0.22%)	(0.05%)	(0.15%)	(0.12%)	(0.41%)
2012 Preliminary Normal Cost	4.83%	4.74%	4.59%	6.07%	2.36%	1.78%
Increase from Applied Rate Floor	0.00%	0.21%	0.00%	0.00%	0.74%	4.66%
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	0.00%
Laws of 2013	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2012 Adjusted Normal Cost	4.94%	5.72%	5.59%	6.07%	3.10%	7.76%

^{*}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 Employer and State Plan 1 UAAL Rate by Source											
Change in UAAL Rate	PERS	TRS	SERS*	PSERS*	LEOFF**	WSPRS					
2011 UAAL Rate Before Laws of 2012	4.00%	4.48%	4.00%	4.00%	(9.49%)	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%)	N/A	N/A					
LEOFF 1 Roll Forward Funding Method	N/A	N/A	N/A	N/A	(2.12%)	N/A					
2011 Adjusted UAAL Rate	3.86%	4.33%	3.86%	3.86%	(11.61%)	N/A					
Liabilities											
Salaries	(0.05%)	(0.12%)	N/A	N/A	(0.03%)	N/A					
Termination	0.00%	0.00%	N/A	N/A	0.00%	N/A					
Retirement	(0.02%)	(0.03%)	N/A	N/A	(0.01%)	N/A					
Return to Work	0.00%	0.01%	N/A	N/A	0.00%	N/A					
Inflation (CPI)	0.00%	0.00%	N/A	N/A	0.05%	N/A					
Other Liabilities	0.01%	(0.06%)	N/A	N/A	0.13%	N/A					
Total Liability Gains/Losses	(0.06%)	(0.20%)	N/A	N/A	0.14%	N/A					
Asset Gains/Losses	0.39%	0.71%	N/A	N/A	0.68%	N/A					
Present Value of Future Salaries Gains/Losses	(0.19%)	(0.16%)	N/A	N/A	(0.42%)	N/A					
Incremental Changes											
Plan Change	0.00%	0.00%	N/A	N/A	0.00%	N/A					
Method Change	0.00%	0.00%	N/A	N/A	(0.32%)	N/A					
Assumption Change	0.00%	0.00%	N/A	N/A	0.00%	N/A					
Correction Change	0.07%	0.15%	N/A	N/A	(0.07%)	N/A					
Total Incremental Changes Gains/Losses	0.07%	0.15%	N/A	N/A	(0.39%)	N/A					
Other Gains/Losses	0.00%	(0.02%)	N/A	N/A	(0.29%)	N/A					
Total Change	0.21%	0.48%	0.21%	0.21%	(0.28%)	N/A					
2012 Preliminary UAAL Rate	4.07%	4.81%	4.07%	4.07%	(11.89%)	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 2013	0.00%	0.00%	0.00%	0.00%	0.00%	N/A					
2012 Adjusted UAAL Rate	4.21%	4.96%	4.21%	4.21%	(11.89%)	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

♦None

Method Changes

- ◆We now spread the Entry Age Normal (EAN) cost as a level percentage of pay over a member's career, rather than over the period from entry to the last decrement age where each benefit is available.
- ◆For the entry age used in the EAN calculation, the member's career begins with their age at entry into the current plan, rather than the

age they entered service in any state plan.

Other Changes

◆We added the so-called "One Percent Rule" for PERS Plan 1 (RCW 41.40.190) and TRS Plan 1 (RCW 41.32.497) to our valuation model because the existing benefit has now become a material liability. ◆We made a number of minor corrections based on the results of the 2011 Actuarial Audit Report.

Effect of Changes on the Current Valuation

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

	Effect	of Plan, As	ssumption	, and Met	hod Chanç	ges			
	PERS 1	PERS 2/3	TRS 1	TRS 2/3	SERS 2/3	PSERS 2	LEOFF 1	LEOFF 2*	WSPRS
Before Changes									
PVFB	\$12,445	\$28,781	\$9,055	\$10,228	\$3,890	\$488	\$4,140	\$9,214	\$1,020
PUC Liability	12,319	20,339	9,015	6,787	2,819	135	4,129	6,070	860
Actuarial Value of Assets	8,521	22,653	7,145	7,758	3,100	180	5,562	7,222	982
Unfunded Liability	3,798	(2,314)	1,870	(971)	(281)	(45)	(1,433)	(1,152)	(122)
Employer Contribution Rate	9.06%	9.06%	10.33%	10.33%	9.51%	10.07%	0.00%	4.62%	7.76%
After Changes									
PVFB	\$12,514	\$28,796	\$9,111	\$10,240	\$3,893	\$488	\$4,132	\$9,202	\$1,019
PUC Liability	12,368	20,347	9,058	6,799	2,820	\$135	4,121	6,071	859
Actuarial Value of Assets	8,521	22,653	7,145	7,758	3,100	\$180	5,562	7,222	982
Unfunded Liability	3,847	(2,306)	1,914	(959)	(280)	(\$45)	(1,440)	(1,151)	(123)
Employer Contribution Rate	9.15%	9.15%	10.68%	10.68%	9.80%	10.28%	0.00%	4.64%	7.76%
Increase / (Decrease) in Rate	0.09%	0.09%	0.35%	0.35%	0.29%	0.21%	0.00%	0.02%	0.00%

Before and after changes include actuarial gains and losses for the year ending 6/30/2012.

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)





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 (RCW).

In addition to the six systems described here, 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.

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 Chapter 41.32 RCW	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 Chapter 43.43 RCW	Commissioned officers of the Washington State Patrol.

Beginning with the 2015 valuation period, OSA will also perform valuations for certain retirement provisions under **Higher Education Retirement Plans** (HERPs). These plans are offered to certain employees of colleges and

universities in Washington and are not administered by the Department of Retirement Systems (DRS). The results of these valuations will be provided in separate reports.



	Active Mo	embership	By Employ	yer and Pla	n		
	All		PERS			TRS	
Employer	Systems	Plan 1	Plan 2	Plan 3	Plan 1	Plan 2	Plan 3
State Agencies	57,753	2,194	41,568	10,431	28	24	43
Higher Education	20,824	664	14,041	5,947	22	8	38
Community Colleges	5,807	212	4,137	1,256	62	29	111
K-12	116,125	1,518	0	0	2,892	10,718	51,090
Counties	34,818	1,022	24,786	4,519	0	0	0
County Sub Divisions	12,394	317	9,806	1,976	0	0	0
First Class Cities	8,262	113	2,485	588	0	0	0
Other Cities	17,532	332	10,300	1,789	0	0	0
Ports	2,341	48	1,806	308	0	0	0
Education Service District	1,979	36	0	0	15	70	207
Fire Districts	4,267	5	664	97	0	0	0
Public Utility District	4,561	104	3,870	587	0	0	0
Water Districts	1,876	57	1,609	210	0	0	0
Energy Northwest	1,182	7	805	370	0	0	0
Unions	6	6	0	0	0	0	0
TOTAL	289,727	6,635	115,877	28,078	3,019	10,849	51,489

	Active Membership By Employer and Plan (Continued)											
	SER		PSERS	LEO	FF	WSPI	25					
Employer	Plan 2	Plan 3	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2					
State Agencies	0	0	2,272	0	127	712	354					
Higher Education	0	0	0	0	104	0	0					
Community Colleges	0	0	0	0	0	0	0					
K-12	20,102	29,805	0	0	0	0	0					
Counties	0	0	1,734	19	2,738	0	0					
County Sub Divisions	0	0	82	2	211	0	0					
First Class Cities	0	0	27	101	4,948	0	0					
Other Cities	0	0	135	42	4,934	0	0					
Ports	0	0	0	1	178	0	0					
Education Service District	744	907	0	0	0	0	0					
Fire Districts	0	0	0	21	3,480	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	20,846	30,712	4,250	186	16,720	712	354					



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											
		PEF	RS		TRS							
	Plan 1	Plan 2	Plan 3	Total	Plan 1	Plan 2	Plan 3	Total				
2011 Actives	7,733	117,096	27,588	152,417	3,740	10,285	52,178	66,203				
Transfers	0	(112)	3,283	3,171	0	(27)	1,321	1,294				
Hires/Rehires	109	8,575	693	9,377	36	1,569	1,171	2,776				
New Retirees	(1,028)	(2,213)	(211)	(3,452)	(722)	(215)	(419)	(1,356)				
Deaths	(24)	(174)	(22)	(220)	(8)	(10)	(39)	(57)				
Terminations	(155)	(7,295)	(3,253)	(10,703)	(27)	(753)	(2,723)	(3,503)				
2012 Actives	6,635	115,877	28,078	150,590	3,019	10,849	51,489	65,357				
2011 Annuitants	53,264	24,711	1,388	79,363	36,118	2,657	2,934	41,709				
New Retirees	1,300	3,462	360	5,122	844	412	853	2,109				
Annuitant Deaths	(2,223)	(569)	(13)	(2,805)	(1,052)	(20)	(24)	(1,096)				
New Survivors	343	223	17	583	163	12	43	218				
Other	(12)	(7)	(2)	(21)	(19)	(1)	(2)	(22)				
2012 Annuitants	52,672	27,820	1,750	82,242	36,054	3,060	3,804	42,918				
Ratio Actives to Annuitants	0.13	4.17	16.04	1.83	0.08	3.55	13.54	1.52				

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
2011 Actives	20,784	31,548	52,332	4,187	250	16,805	17,055	767	315	1,082	293,276
Transfers	(85)	1,599	1,514	0	0	0	0	0	0	0	5,979
Hires/Rehires	2,178	532	2,710	444	0	510	510	1	44	45	15,862
New Retirees	(427)	(384)	(811)	(7)	(62)	(300)	(362)	(43)	0	(43)	(6,031)
Deaths	(35)	(31)	(66)	(1)	(2)	(9)	(11)	(1)	0	(1)	(356)
Terminations	(1,569)	(2,552)	(4,121)	(373)	0	(286)	(286)	(12)	(5)	(17)	(19,003)
2012 Actives	20,846	30,712	51,558	4,250	186	16,720	16,906	712	354	1,066	289,727
2011 Annuitants	3,823	2,605	6,428	15	7,932	2,015	9,947	875	0	875	138,337
New Retirees	653	620	1,273	12	63	336	399	47	0	47	8,962
Annuitant Deaths	(71)	(26)	(97)	0	(249)	(23)	(272)	(18)	0	(18)	(4,288)
New Survivors	32	16	48	0	99	19	118	12	0	12	979
Other	0	(1)	(1)	0	0	(3)	(3)	(1)	0	(1)	(48)
2012 Annuitants	4,437	3,214	7,651	27	7,845	2,344	10,189	915	0	915	143,942
Ratio Actives to Annuitants	4.70	9.56	6.74	157.41	0.02	7.13	1.66	0.78	N/A	1.17	2.01

Summary of Plan Participants

	Summary of Plan Participants											
PERS		20	12			20	11					
	Plan 1	Plan 2	Plan 3	Total	Plan 1	Plan 2	Plan 3	Total				
Active Members												
Number	6,635	115,877	28,078	150,590	7,733	117,096	27,588	152,417				
Total Salaries (millions)	\$371	\$6,688	\$1,504	\$8,563	\$432	\$6,679	\$1,469	\$8,580				
Average Age	61.5	48.4	43.5	48.1	60.8	48.1	43.3	47.9				
Average Service	24.1	12.5	8.7	12.3	23.7	12.2	8.5	12.1				
Average Salary	\$55,878	\$57,718	\$53,579	\$56,865	\$55,842	\$57,042	\$53,245	\$56,294				
Terminated Members												
Number Vested	1,594	24,953	3,968	30,515	1,789	24,456	3,680	29,925				
Number "Non-Vested"	4,042	95,834	0	99,876	4,225	94,340	0	98,565				
Retirees (including L&I disabled)												
Number of Retirees (All)	52,672	27,820	1,750	82,242	53,264	24,711	1,388	79,363				
Average Monthly Benefit, All Retirees	\$1,850	\$1,158	\$675	\$1,591	\$1,802	\$1,081	\$622	\$1,557				
Number of New "Service Retirees"	1,289	3,314	347	4,950	1,450	2,877	262	4,589				
Avg. Monthly Benefit, New "Service												
Retirees"	\$2,361	\$1,618	\$877	\$1,760	\$2,538	\$1,650	\$839	\$1,884				

Summary of Plan Participants (Continued)											
TRS		20)12		2011						
	Plan 1	Plan 2	Plan 3	Total	Plan 1	Plan 2	Plan 3	Total			
Active Members											
Number	3,019	10,849	51,489	65,357	3,740	10,285	52,178	66,203			
Total Salaries (millions)	\$229	\$669	\$3,408	\$4,305	\$284	\$648	\$3,437	\$4,369			
Average Age	62.3	45.7	45.7	46.5	61.5	46.4	45.2	46.3			
Average Service	29.3	11.0	13.3	13.7	28.7	11.4	12.7	13.4			
Average Salary	\$75,681	\$61,648	\$66,191	\$65,875	\$75,994	\$63,025	\$65,866	\$65,997			
Terminated Members											
Number Vested	477	2,348	6,720	9,545	581	2,423	6,200	9,204			
Number "Non-Vested"	505	4,626	0	5,131	530	4,288	0	4,818			
Temporarily Disabled	0	0	0	0	0	0	0	0			
Retirees											
Number of Retirees (All)	36,054	3,060	3,804	42,918	36,118	2,657	2,934	41,709			
Average Monthly Benefit, All Retirees	\$2,028	\$1,516	\$837	\$1,886	\$1,993	\$1,445	\$779	\$1,872			
Number of New "Service Retirees"	841	409	843	2,093	991	342	665	1,998			
Avg. Monthly Benefit, New "Service											
Retirees"	\$2,885	\$1,858	\$1,023	\$1,935	\$2,920	\$1,766	\$985	\$2,078			



Sumn	nary of Pla		ants			
	(Contir	nuea)				
SERS		2012			2011	
	Plan 2	Plan 3	Total	Plan 2	Plan 3	Total
Active Members						
Number	20,846	30,712	51,558	20,784	31,548	52,332
Total Salaries (millions)	\$594	\$885	\$1,479	\$591	\$899	\$1,490
Average Age	51.3	50.4	50.8	51.1	49.9	50.4
Average Service	11.1	10.5	10.7	11.1	9.9	10.4
Average Salary	\$28,494	\$28,810	\$28,682	\$28,453	\$28,483	\$28,471
Terminated Members						
Number Vested	4,992	5,928	10,920	4,874	5,388	10,262
Number "Non-Vested"	8,143	0	8,143	7,317	0	7,317
Retirees						
Number of Retirees (All)	4,437	3,214	7,651	3,823	2,605	6,428
Average Monthly Benefit, All Retirees	\$738	\$389	\$591	\$702	\$373	\$569
Number of New "Service Retirees"	627	607	1,234	515	535	1,050
Average Monthly Benefit, New "Service						
Retirees"	\$914	\$442	\$682	\$854	\$464	\$655

Summary of Plan Particip (Continued)	ants	
PSERS (2012	2011
	Plan 2	Plan 2
Active Members		
Number	4,250	4,187
Total Salaries (millions)	\$238	\$233
Average Age	40.1	39.5
Average Service	4.3	3.7
Average Salary	\$55,999	\$55,597
Terminated Members		
Number Vested	60	1
Number "Non-Vested"	1,329	1,210
Retirees		
Number of Retirees (All)	27	15
Average Monthly Benefit, All Retirees	\$264	\$219
Number of New "Service Retirees"	9	6
Average Monthly Benefit, New "Service		
Retirees"	\$340	\$324

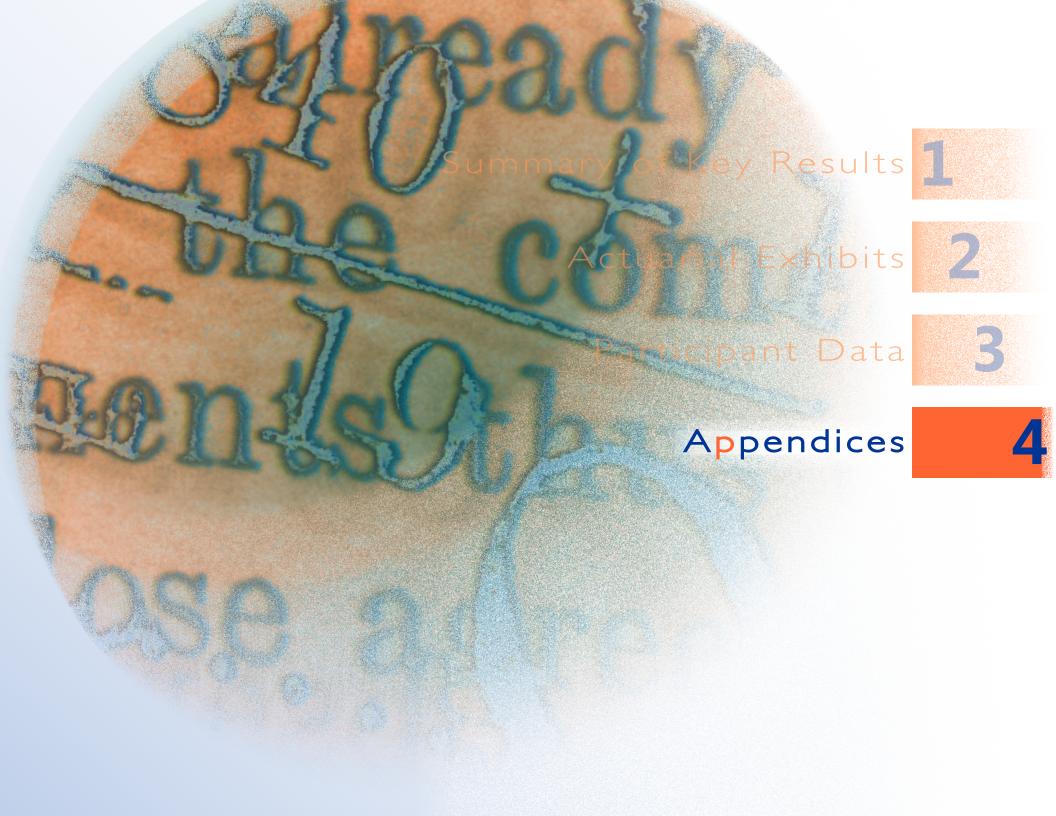
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Sumr	nary of Pla (Contin					
LEOFF		2012			2011	
	Plan 1	Plan 2	Total	Plan 1	Plan 2	Total
Active Members						
Number	186	16,720	16,906	250	16,805	17,055
Total Salaries (millions)	\$19	\$1,560	\$1,579	\$25	\$1,535	\$1,559
Average Age	60.9	43.2	43.4	60.3	42.7	43.0
Average Service	37.1	14.3	14.6	36.4	13.8	14.1
Average Salary	\$100,828	\$93,308	\$93,391	\$98,078	\$91,322	\$91,421
Terminated Members						
Number Vested	0	689	689	1	655	656
Number "Non-Vested"	41	1,558	1,599	44	1,617	1,661
Retirees						
Number of Retirees (All)	7,845	2,344	10,189	7,932	2,015	9,947
Average Monthly Benefit, All Retirees	\$3,720	\$2,911	\$3,534	\$3,574	\$2,707	\$3,398
Number of New "Service Retirees"*	63	323	386	51	317	368
Average Monthly Benefit, New "Service						
Retirees"*	\$6,777	\$3,970	\$4,428	\$6,658	\$3,716	\$4,124

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

Summary of Plan Participants (Continued)											
WSPRS		2012		2011							
	Plan 1	Plan 2	Plan 2 Total		Plan 2	Total					
Active Members											
Number	712	354	1,066	767	315	1,082					
Total Salaries (millions)	\$57	\$23	\$80	\$61	\$20	\$82					
Average Age	45.2	32.5	41.0	44.6	32.1	41.0					
Average Service	18.5	5.5	14.2	17.8	5.1	14.1					
Average Salary	\$80,263	\$65,165	\$75,249	\$79,983	\$64,103	\$75,360					
Terminated Members											
Number Vested	71	8	79	66	6	72					
Number "Non-Vested"	18	13	31	19	11	30					
Disabled Members*	49	0	49	51	0	51					
Retirees											
Number of Retirees (All)	915	0	915	875	0	875					
Average Monthly Benefit, All Retirees	\$3,748	\$0	\$3,748	\$3,676	\$0	\$3,676					
Number of New "Service Retirees"	47	0	47	36	0	36					
Average Monthly Benefit, New "Service											
Retirees"	\$3,949	\$0	\$3,949	\$4,083	\$0	\$4,083					

^{*}Benefits provided outside of pension funds.



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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 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 ten-year 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.

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 **Glossary** for a further explanation of the PUC cost method.

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 shortterm 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.

	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%									

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.



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		7.90%	7.90%	7.90%	7.90%	7.90%	7.90%				
Inflation ³		3.00%	3.00%	3.00%	3.00%	3.00%	3.00%				
General Salary Increases (includes in	nflation) 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%				

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									
2012	3.86%	3.87%									
2013	3.85%	3.85%									
2014	3.84%	3.84%									
2015	3.83%	3.83%									
2016	3.82%	3.83%									
2017	3.81%	3.82%									
2018	3.80%	3.81%									
2019	3.80%	3.80%									
2020	3.79%	3.79%									
2021	3.78%	3.78%									
2022	3.77%	3.77%									
2023	3.77%	3.77%									
2024	3.76%	3.76%									
2025	3.75%	3.75%									
2026	3.75%	3.75%									
2027	3.75%	3.75%									

Includes inflation.

² The rate is 7.50% in LEOFF 2. Annual rate, compounded annually, net of expenses.

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 \$2.06 per month per year of service on 7/1/2013. 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 methods we use to value Entry Age Normal (EAN) liabilities in the following ways:

> ◆We now spread the Entry Age Normal (EAN) cost as a level percentage of pay over a member's

career, rather than over the period from entry to the last decrement age where each benefit is available.

◆For the entry age used in the EAN calculation, the member's career

begins with their age at entry into the current plan, rather than the age they entered service in any state plan.

	Step Salary Increases by System												
	PERS - A	II Plans	TRS - Al	l Plans	SERS - A	II Plans	PSERS -	All Plans	LEOFF -	All Plans	WSPRS -	All Plans	
Service	%	Salary	%	Salary	%	Salary	%	Salary	%	Salary	%	Salary	
Years	Increase	Ratio	Increase	Ratio	Increase	Ratio	Increase	Ratio	Increase	Ratio	Increase	Ratio	
0	6.10%	1.370	5.80%	1.584	6.90%	1.385	6.10%	1.370	11.00%	1.840	7.10%	1.626	
1	6.10%	1.291	5.80%	1.497	6.90%	1.295	6.10%	1.291	11.00%	1.657	7.10%	1.519	
2	4.80%	1.217	4.30%	1.415	3.90%	1.212	4.80%	1.217	7.70%	1.493	5.90%	1.418	
3	3.80%	1.161	4.10%	1.357	2.90%	1.166	3.80%	1.161	6.10%	1.386	5.20%	1.339	
4	2.90%	1.119	3.50%	1.303	2.30%	1.133	2.90%	1.119	4.00%	1.307	5.20%	1.273	
5	2.20%	1.087	3.10%	1.259	2.20%	1.108	2.20%	1.087	2.80%	1.256	5.20%	1.210	
6	1.50%	1.064	2.80%	1.221	1.60%	1.084	1.50%	1.064	2.00%	1.222	4.50%	1.150	
7	1.10%	1.048	2.60%	1.188	1.30%	1.067	1.10%	1.048	1.60%	1.198	0.80%	1.100	
8	0.90%	1.037	2.40%	1.158	1.20%	1.053	0.90%	1.037	1.50%	1.179	0.80%	1.092	
9	0.70%	1.027	2.20%	1.131	0.90%	1.041	0.70%	1.027	1.40%	1.162	0.80%	1.083	
10	0.50%	1.020	2.00%	1.107	0.80%	1.031	0.50%	1.020	1.70%	1.146	0.80%	1.074	
11	0.40%	1.015	1.90%	1.085	0.70%	1.023	0.40%	1.015	1.30%	1.127	0.80%	1.066	
12	0.30%	1.011	1.70%	1.065	0.40%	1.016	0.30%	1.011	1.30%	1.112	0.40%	1.057	
13	0.20%	1.008	1.50%	1.047	0.40%	1.012	0.20%	1.008	1.30%	1.098	0.40%	1.053	
14	0.20%	1.006	1.00%	1.031	0.30%	1.008	0.20%	1.006	1.30%	1.084	0.40%	1.049	
15	0.20%	1.004	0.80%	1.021	0.10%	1.005	0.20%	1.004	1.30%	1.070	0.40%	1.045	
16	0.20%	1.002	0.40%	1.013	0.10%	1.004	0.20%	1.002	1.10%	1.056	0.40%	1.041	
17	0.00%	1.000	0.10%	1.009	0.10%	1.003	0.00%	1.000	1.10%	1.045	0.40%	1.037	
18	0.00%	1.000	0.10%	1.008	0.10%	1.002	0.00%	1.000	1.10%	1.033	0.40%	1.032	
19	0.00%	1.000	0.10%	1.007	0.10%	1.001	0.00%	1.000	1.10%	1.022	0.40%	1.028	
20	0.00%	1.000	0.10%	1.006	0.00%	1.000	0.00%	1.000	1.10%	1.011	0.40%	1.024	
21	0.00%	1.000	0.10%	1.005	0.00%	1.000	0.00%	1.000	0.00%	1.000	0.40%	1.020	
22	0.00%	1.000	0.10%	1.004	0.00%	1.000	0.00%	1.000	0.00%	1.000	0.40%	1.016	
23	0.00%	1.000	0.10%	1.003	0.00%	1.000	0.00%	1.000	0.00%	1.000	0.40%	1.012	
24	0.00%	1.000	0.10%	1.002	0.00%	1.000	0.00%	1.000	0.00%	1.000	0.40%	1.008	
25	0.00%	1.000	0.10%	1.001	0.00%	1.000	0.00%	1.000	0.00%	1.000	0.40%	1.004	
26	0.00%	1.000	0.00%	1.000	0.00%	1.000	0.00%	1.000	0.00%	1.000	0.00%	1.000	
27	0.00%	1.000	0.00%	1.000	0.00%	1.000	0.00%	1.000	0.00%	1.000	0.00%	1.000	
28	0.00%	1.000	0.00%	1.000	0.00%	1.000	0.00%	1.000	0.00%	1.000	0.00%	1.000	
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	



						Probabilit	y of Servi	ce Retireme	nt					
		Pla	n 1*		Т	RS	Pla	n 2/3			SERS Plan 2/3			
	Service not equal to 30 years			equal to 30 ears		vice less than Service equal to 30 Service of 30 years years than 30		greater 0 years	Service less					reater than to 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	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	0.00	0.19	0.38	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	0.24	0.19	0.38	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	0.24	0.19	0.38	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.24	0.21	0.38	0.33	0.03	0.02	0.24	0.21	0.15	0.13	0.03	0.03	0.13	0.14
56	0.24	0.21	0.33	0.33	0.03	0.03	0.23	0.23	0.17	0.15	0.03	0.03	0.12	0.12
57	0.24	0.21	0.33	0.34	0.03	0.07	0.25	0.25	0.18	0.16	0.03	0.03	0.13	0.13
58	0.24	0.22	0.38	0.34	0.03	0.07	0.31	0.27	0.20	0.18	0.07	0.03	0.14	0.13
59	0.24	0.27	0.43	0.34	0.03	0.07	0.38	0.29	0.21	0.24	0.07	0.03	0.18	0.28
60	0.24	0.22	0.43	0.34	0.11	0.09	0.41	0.32	0.23	0.21	0.09	0.09	0.14	0.15
61	0.24	0.24	0.48	0.44	0.11	0.12	0.48	0.43	0.24	0.24	0.09	0.12	0.22	0.20
62	0.38	0.29	0.58	0.58	0.25	0.25	0.60	0.60	0.40	0.35	0.25	0.22	0.33	0.29
63	0.29	0.23	0.50	0.50	0.20	0.25	0.50	0.50	0.30	0.30	0.20	0.20	0.25	0.25
64	0.27	0.25	0.50	0.50	0.50	0.45	0.55	0.50	0.55	0.50	0.50	0.50	0.55	0.55
65	0.40	0.44	0.70	0.60	0.50	0.45	0.50	0.45	0.50	0.45	0.45	0.45	0.45	0.45
66	0.40	0.36	0.70	0.60	0.40	0.30	0.40	0.30	0.40	0.30	0.26	0.25	0.26	0.25
67	0.33	0.26	0.70	0.60	0.35	0.25	0.35	0.25	0.35	0.25	0.20	0.22	0.20	0.22
68	0.28	0.30	0.70	0.60	0.30	0.25	0.30	0.25	0.30	0.25	0.20	0.23	0.20	0.23
69	0.28	0.28	0.70	0.60	0.30	0.40	0.30	0.40	0.30	0.40	0.22	0.21	0.22	0.21
70	0.23	0.35	1.00	0.45	0.30	0.25	0.30	0.25	0.30	0.25	0.20	0.23	0.20	0.23
71	0.20	0.20	1.00	0.45	0.50	0.25	0.50	0.25	0.50	0.25	0.20	0.20	0.20	0.20
72	0.20	0.20	1.00	1.00	0.50	0.25	0.50	0.25	0.50	0.25	0.20	0.20	0.20	0.20
73	0.20	0.20	1.00	1.00	0.50	0.25	0.50	0.25	0.50	0.25	0.20	0.20	0.20	0.20
74	0.20	0.20	1.00	1.00	0.50	0.25	0.50	0.25	0.50	0.25	0.20	0.20	0.20	0.20
75	0.20	0.20	1.00	1.00	0.50	0.25	0.50	0.25	0.50	0.25	0.20	0.20	0.20	0.20
76	0.20	0.20	1.00	1.00	0.50	0.25	0.50	0.25	0.50	0.25	0.20	0.20	0.20	0.20
77	0.20	0.20	1.00	1.00	0.50	0.25	0.50	0.25	0.50	0.25	0.20	0.20	0.20	0.20
78	0.20	0.20	1.00	1.00	0.50	0.25	0.50	0.25	0.50	0.25	0.20	0.20	0.20	0.20
79	0.20	0.20	1.00	1.00	0.50	0.25	0.50	0.25	0.50	0.25	0.20	0.20	0.20	0.20
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



					Р	robability	of Servi	ice Retire	ment			
	Pla	ın 1*	Р	ERS Pla	n 2/3			ERS an 2	P	LEOFF lan 1	Plan 2*	WSPRS Plan 1/2
				ce less 30 years	than or	greater equal to ears			Service greater Service less than or equal to than 30 years 30 years		Male &	Male &
Age	Male	Female	Male	Female	Male	Female	Male	Female	Male 8	& Female	Female	Female
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45
46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31
47	0.48	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31
48	0.58	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31
49	0.53	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28
50	0.53	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.14	0.05	0.28
51	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.14	0.04	0.23
52	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.14	0.04	0.23
53	0.44	0.30	0.00	0.00	0.00	0.00	0.03	0.03	0.07	0.15	0.09	0.23
54	0.44	0.47	0.00	0.00	0.00	0.00	0.03	0.03	0.11	0.19	0.11	0.23
55	0.21	0.22	0.03	0.03	0.13	0.14	0.03	0.03	0.12	0.20	0.14	0.23
56	0.17	0.17	0.03	0.03	0.12	0.12	0.08	0.08	0.12	0.21	0.14	0.23
57	0.18	0.18	0.03	0.03	0.13	0.13	0.08	0.08	0.15	0.24	0.14	0.23
58	0.18	0.17	0.07	0.03	0.14	0.13	0.15	0.11	0.16	0.25	0.19	0.20
59	0.22	0.32	0.07	0.03	0.18	0.28	0.16	0.12	0.16	0.26	0.19	0.23
60	0.15	0.17	0.09	0.09	0.14	0.15	0.30	0.36	0.23	0.33	0.19	0.23
61	0.23	0.21	0.09	0.12	0.22	0.20	0.26	0.26	0.25	0.34	0.24	0.25
62	0.32	0.29	0.25	0.22	0.33	0.29	0.36	0.36	0.25	0.33	0.24	0.25
63	0.23	0.21	0.20	0.20	0.25	0.25	0.50	0.50	0.25	0.31	0.24	0.27
64	0.30	0.26	0.55	0.55	0.60	0.60	0.89	0.89	0.25	0.30	0.24	0.33
65	0.40	0.39	0.45	0.45	0.45	0.45	0.46	0.31	0.25	0.30	0.24	1.00
66	0.26	0.22	0.26	0.25	0.26	0.25	0.30	0.30	0.25	0.29	0.24	1.00
67	0.26	0.23	0.20	0.22	0.20	0.22	0.22	0.26	0.25	0.28	0.24	1.00
68	0.20	0.22	0.20	0.23	0.20	0.23	0.22	0.26	0.25	0.27	0.24	1.00
69	0.23	0.25	0.22	0.21	0.22	0.21	0.26	0.22	0.25	0.27	0.24	1.00
70	0.24	0.20	0.20	0.23	0.20	0.23	1.00	1.00	1.00	1.00	1.00	1.00
71	0.20	0.20	0.20	0.20	0.20	0.20	1.00	1.00	1.00	1.00	1.00	1.00
72	0.20	0.20	0.20	0.20	0.20	0.20	1.00	1.00	1.00	1.00	1.00	1.00
73	0.20	0.20	0.20	0.20	0.20	0.20	1.00	1.00	1.00	1.00	1.00	1.00
74	0.20	0.20	0.20	0.20	0.20	0.20	1.00	1.00	1.00	1.00	1.00	1.00
75	0.20	0.20	0.20	0.20	0.20	0.20	1.00	1.00	1.00	1.00	1.00	1.00
76	0.20	0.20	0.20	0.20	0.20	0.20	1.00	1.00	1.00	1.00	1.00	1.00
77	0.20	0.20	0.20	0.20	0.20	0.20	1.00	1.00	1.00	1.00	1.00	1.00
78	0.20	0.20	0.20	0.20	0.20	0.20	1.00	1.00	1.00	1.00	1.00	1.00
79	0.20	0.20	0.20	0.20	0.20	0.20	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

*Rates have been rounded for display purposes.



Our mortality rates include an assumption for future mortality improvements. We took three distinct steps to build our mortality assumptions. First, we applied mortality improvements to the RP-2000 mortality table using 50 percent of Scale AA to 2003, the midpoint of our latest experience study period. Next, we developed age offsets for each system and plan. Finally, we projected the mortality rates into the future, also using 50 percent of Scale AA, to reflect continued mortality improvements.

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.

As an example, consider a healthy PERS Plan 1 male, age 50. To project the RP-2000 mortality rates to 2003, we use the following equation:

RP-2000 rate x $(1 - 50\% \text{ Scale AA})^3$.

For a 50-year-old male, this is $0.002138 \times (1-0.0090)^3 = 0.002081$. Now we have the so-called "RP-2003" rate. However, we expect the age 50 member to have the experience of a 49-year-old. The

corresponding age 49 male rate for RP-2003 is 0.001945. As a last step, we complete the projection of mortality improvements to the given year (2018 for PERS Plan 1). This gives a final mortality rate of 0.001698 for a 50-year-old PERS Plan 1 male.

The next tables show RP-2000 and 50 percent of Scale AA, both published by the Society of Actuaries. Following these tables, the next tables show the age offsets we used, the year to which we projected mortality improvements, and the resulting projected mortality rates for each plan. Please see the 2001-2006 Experience Study for more details regarding the development of these rates.

		26.0
		380
	50.00	
,	1983	100
	- 10 Miles	45.7

RF	RP-2000 Mortality Rates 50% Scale AA		RI	RP-2000 Mortality Rates 50% Scale AA					RP-2000 Mortality Rates				50% Scale AA					
	Co	ombined Hea	Ithy T	able			Combined Healthy Table						Combined Healthy Table					
Age	Male	Female	Age	Male	Female	Age	Male	Female	Age	Male	Female	Age	Male	Female	Age	Male	Female	
20	0.000345	0.000191	20	0.0095	0.0080	50	0.002138	0.001676	50	0.0090	0.0085	80	0.064368	0.045879	80	0.0050	0.0035	
21	0.000357	0.000192	21	0.0090	0.0085	51	0.002449	0.001852	51	0.0095	0.0080	81	0.072041	0.050780	81	0.0045	0.0035	
22	0.000366	0.000194	22	0.0085	0.0085	52	0.002667	0.002018	52	0.0100	0.0070	82	0.080486	0.056294	82	0.0040	0.0035	
23	0.000373	0.000197	23	0.0075	0.0080	53	0.002916	0.002207	53	0.0100	0.0060	83	0.089718	0.062506	83	0.0040	0.0035	
24	0.000376	0.000201	24	0.0065	0.0075	54	0.003196	0.002424	54	0.0100	0.0050	84	0.099779	0.069517	84	0.0035	0.0035	
25	0.000376	0.000207	25	0.0050	0.0070	55	0.003624	0.002717	55	0.0095	0.0040	85	0.110757	0.077446	85	0.0035	0.0030	
26	0.000378	0.000214	26	0.0030	0.0060	56	0.004200	0.003090	56	0.0090	0.0030	86	0.122797	0.086376	86	0.0035	0.0025	
27	0.000382	0.000223	27	0.0025	0.0060	57	0.004693	0.003478	57	0.0085	0.0025	87	0.136043	0.096337	87	0.0030	0.0020	
28	0.000393	0.000235	28	0.0025	0.0060	58	0.005273	0.003923	58	0.0080	0.0025	88	0.150590	0.107303	88	0.0025	0.0020	
29	0.000412	0.000248	29	0.0025	0.0060	59	0.005945	0.004441	59	0.0080	0.0025	89	0.166420	0.119154	89	0.0025	0.0015	
30	0.000444	0.000264	30	0.0025	0.0050	60	0.006747	0.005055	60	0.0080	0.0025	90	0.183408	0.131682	90	0.0020	0.0015	
31	0.000499	0.000307	31	0.0025	0.0040	61	0.007676	0.005814	61	0.0075	0.0025	91	0.199769	0.144604	91	0.0020	0.0015	
32	0.000562	0.000350	32	0.0025	0.0040	62	0.008757	0.006657	62	0.0075	0.0025	92	0.216605	0.157618	92	0.0015	0.0015	
33	0.000631	0.000394	33	0.0025	0.0045	63	0.010012	0.007648	63	0.0070	0.0025	93	0.233662	0.170433	93	0.0015	0.0010	
34	0.000702	0.000435	34	0.0025	0.0050	64	0.011280	0.008619	64	0.0070	0.0025	94	0.250693	0.182799	94	0.0015	0.0010	
35	0.000773	0.000475	35	0.0025	0.0055	65	0.012737	0.009706	65	0.0070	0.0025	95	0.267491	0.194509	95	0.0010	0.0010	
36	0.000841	0.000514	36	0.0025	0.0060	66	0.014409	0.010954	66	0.0065	0.0025	96	0.283905	0.205379	96	0.0010	0.0010	
37	0.000904	0.000554	37	0.0025	0.0065	67	0.016075	0.012163	67	0.0065	0.0025	97	0.299852	0.215240	97	0.0010	0.0005	
38	0.000964	0.000598	38	0.0030	0.0070	68	0.017871	0.013445	68	0.0070	0.0025	98	0.315296	0.223947	98	0.0005	0.0005	
39	0.001021	0.000648	39	0.0035	0.0075	69	0.019802	0.014860	69	0.0070	0.0025	99	0.330207	0.231387	99	0.0005	0.0005	
40	0.001079	0.000706	40	0.0040	0.0075	70	0.022206	0.016742	70	0.0075	0.0025	100	0.344556	0.237467	100	0.0005	0.0005	
41	0.001142	0.000774	41	0.0045	0.0075	71	0.024570	0.018579	71	0.0075	0.0030	101	0.358628	0.244834	101	0.0000	0.0000	
42	0.001215	0.000852	42	0.0050	0.0075	72	0.027281	0.020665	72	0.0075	0.0030	102	0.371685	0.254498	102	0.0000	0.0000	
43	0.001299	0.000937	43	0.0055	0.0075	73	0.030387	0.022970	73	0.0075	0.0035	103	0.383040	0.266044	103	0.0000	0.0000	
44	0.001397	0.001029	44	0.0060	0.0075	74	0.033900	0.025458	74	0.0075	0.0035	104	0.392003	0.279055	104	0.0000	0.0000	
45	0.001508	0.001124	45	0.0065	0.0080	75	0.037834	0.028106	75	0.0070	0.0040	105	0.397886	0.293116	105	0.0000	0.0000	
46	0.001616	0.001223	46	0.0070	0.0085	76	0.042169	0.030966	76	0.0070	0.0040	106	0.400000	0.307811	106	0.0000	0.0000	
47	0.001734	0.001326	47	0.0075	0.0090	77	0.046906	0.034105	77	0.0065	0.0035	107	0.400000	0.322725	107	0.0000	0.0000	
48	0.001860	0.001434	48	0.0080	0.0090	78	0.052123	0.037595	78	0.0060	0.0035	108	0.400000	0.337441	108	0.0000	0.0000	
49	0.001995	0.001550	49	0.0085	0.0090	79	0.057927	0.041506	79	0.0055	0.0035	109	0.400000	0.351544	109	0.0000	0.0000	
												110	0.400000	0.364617	110	0.0000	0.0000	

Scale AA represents annual improvements in mortality rates.



Projected Mortality											
		PE	RS			Ti		SE	RS		
	Plan 1	- 2018	Plan 2/3 - 2031		Plan 1	- 2018	Plan 2/	3 - 2036	Plan 2/3 - 2030		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Offsets											
Age	-1	-1	-1	-1	-2	-2	-2	-2	0	-2	
20	0.000291	0.000165	0.000257	0.000149	0.000291	0.000165	0.000245	0.000143	0.000259	0.000150	
21	0.000293	0.000164	0.000260	0.000147	0.000293	0.000164	0.000249	0.000141	0.000272	0.000148	
22	0.000306	0.000165	0.000274	0.000147	0.000295	0.000164	0.000253	0.000141	0.000283	0.000148	
23	0.000319	0.000168	0.000289	0.000151	0.000310	0.000166	0.000271	0.000144	0.000298	0.000151	
24	0.000331	0.000172	0.000304	0.000156	0.000324	0.000169	0.000288	0.000147	0.000309	0.000154	
25	0.000342	0.000177	0.000320	0.000161	0.000338	0.000173	0.000309	0.000153	0.000324	0.000159	
26	0.000354	0.000185	0.000341	0.000171	0.000352	0.000180	0.000334	0.000161	0.000345	0.000167	
27	0.000361	0.000192	0.000349	0.000178	0.000357	0.000185	0.000341	0.000166	0.000354	0.000172	
28	0.000365	0.000200	0.000353	0.000185	0.000361	0.000192	0.000345	0.000172	0.000365	0.000179	
29	0.000376	0.000211	0.000364	0.000195	0.000365	0.000200	0.000349	0.000180	0.000382	0.000186	
30	0.000394	0.000226	0.000381	0.000212	0.000376	0.000214	0.000359	0.000196	0.000412	0.000202	
31	0.000424	0.000245	0.000411	0.000232	0.000394	0.000229	0.000376	0.000213	0.000463	0.000219	
32	0.000477	0.000286	0.000462	0.000271	0.000424	0.000245	0.000406	0.000228	0.000521	0.000233	
33	0.000537	0.000323	0.000520	0.000305	0.000477	0.000283	0.000456	0.000261	0.000585	0.000269	
34	0.000603	0.000361	0.000584	0.000338	0.000537	0.000321	0.000514	0.000293	0.000651	0.000302	
35	0.000671	0.000394	0.000650	0.000367	0.000603	0.000358	0.000577	0.000324	0.000717	0.000335	
36	0.000739	0.000427	0.000715	0.000395	0.000671	0.000392	0.000642	0.000351	0.000780	0.000364	
37	0.000804	0.000458	0.000778	0.000421	0.000739	0.000424	0.000706	0.000377	0.000839	0.000392	
38	0.000858	0.000489	0.000825	0.000446	0.000798	0.000454	0.000756	0.000400	0.000881	0.000418	
39	0.000906	0.000523	0.000866	0.000474	0.000851	0.000485	0.000799	0.000424	0.000919	0.000443	
40	0.000951	0.000566	0.000903	0.000513	0.000900	0.000523	0.000837	0.000457	0.000957	0.000478	
41	0.000996	0.000617	0.000940	0.000559	0.000944	0.000566	0.000871	0.000494	0.000997	0.000517	
42	0.001045	0.000676	0.000979	0.000613	0.000989	0.000617	0.000904	0.000538	0.001045	0.000563	
43	0.001102	0.000744	0.001026	0.000675	0.001037	0.000676	0.000939	0.000590	0.001101	0.000618	
44	0.001167	0.000818	0.001080	0.000742	0.001094	0.000744	0.000981	0.000650	0.001166	0.000680	
45	0.001244	0.000892	0.001143	0.000803	0.001159	0.000812	0.001030	0.000703	0.001240	0.000737	
46	0.001331	0.000965	0.001215	0.000864	0.001235	0.000885	0.001088	0.000759	0.001309	0.000799	
47	0.001413	0.001041	0.001282	0.000925	0.001321	0.000958	0.001153	0.000814	0.001383	0.000860	
48	0.001503	0.001127	0.001354	0.001002	0.001403	0.001041	0.001214	0.000885	0.001462	0.000934	
49	0.001597	0.001219	0.001430	0.001084	0.001492	0.001127	0.001279	0.000958	0.001544	0.001011	



Projected Mortality											
				(Continue	d)						
	PSE	ERS		LEC	WSPRS						
	Plan 2	- 2038	Plan 1	- 2019	Plan 2	- 2034	2 - 2028				
	Male Female		Male Female		Male	Female	Male	Female			
Offsets											
Age	-1	-1	-1	1	-1	1	-1	1			
20	0.000240	0.000141	0.000288	0.000165	0.000249	0.000146	0.000264	0.000153			
21	0.000244	0.000138	0.000290	0.000165	0.000253	0.000145	0.000267	0.000153			
22	0.000258	0.000139	0.000303	0.000168	0.000267	0.000148	0.000281	0.000155			
23	0.000274	0.000143	0.000316	0.000173	0.000282	0.000153	0.000296	0.000161			
24	0.000290	0.000148	0.000329	0.000180	0.000298	0.000160	0.000310	0.000168			
25	0.000309	0.000154	0.000340	0.000188	0.000316	0.000169	0.000325	0.000176			
26	0.000333	0.000164	0.000353	0.000199	0.000337	0.000182	0.000344	0.000188			
27	0.000343	0.000170	0.000360	0.000210	0.000347	0.000192	0.000352	0.000199			
28	0.000347	0.000177	0.000364	0.000221	0.000351	0.000202	0.000356	0.000210			
29	0.000357	0.000187	0.000375	0.000236	0.000361	0.000216	0.000366	0.000224			
30	0.000375	0.000204	0.000393	0.000280	0.000378	0.000260	0.000384	0.000268			
31	0.000404	0.000226	0.000423	0.000324	0.000408	0.000305	0.000414	0.000313			
32	0.000454	0.000264	0.000476	0.000365	0.000458	0.000343	0.000465	0.000352			
33	0.000511	0.000295	0.000536	0.000399	0.000516	0.000373	0.000524	0.000383			
34	0.000574	0.000326	0.000602	0.000431	0.000580	0.000400	0.000588	0.000412			
35	0.000638	0.000353	0.000669	0.000462	0.000645	0.000425	0.000654	0.000440			
36	0.000703	0.000378	0.000737	0.000493	0.000710	0.000451	0.000721	0.000467			
37	0.000765	0.000402	0.000802	0.000528	0.000772	0.000478	0.000784	0.000497			
38	0.000808	0.000425	0.000855	0.000566	0.000817	0.000510	0.000832	0.000531			
39	0.000845	0.000450	0.000903	0.000612	0.000857	0.000547	0.000875	0.000572			
40	0.000878	0.000487	0.000948	0.000671	0.000892	0.000599	0.000914	0.000627			
41	0.000910	0.000530	0.000992	0.000738	0.000927	0.000660	0.000952	0.000690			
42	0.000945	0.000581	0.001040	0.000812	0.000965	0.000725	0.000994	0.000759			
43	0.000987	0.000640	0.001096	0.000892	0.001009	0.000797	0.001043	0.000833			
44	0.001035	0.000704	0.001160	0.000973	0.001060	0.000869	0.001099	0.000909			
45	0.001092	0.000759	0.001236	0.001048	0.001121	0.000929	0.001166	0.000975			
46	0.001156	0.000814	0.001322	0.001126	0.001189	0.000990	0.001241	0.001043			
47	0.001216	0.000869	0.001403	0.001208	0.001253	0.001055	0.001311	0.001113			
48	0.001280	0.000940	0.001491	0.001305	0.001322	0.001140	0.001387	0.001203			
49	0.001347	0.001017	0.001584	0.001414	0.001394	0.001234	0.001467	0.001303			



Projected Mortality											
					(Continue	d)					
			RS			TF			RS		
		- 2018		3 - 2031	Plan 1 - 2018			3 - 2036	Plan 2/3 - 2030		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Offsets											
Age	-1	-1	-1	-1	-2	-2	-2	-2	0	-2	
50	0.001698	0.001327	0.001510	0.001188	0.001585	0.001228	0.001347	0.001053	0.001630	0.001108	
51	0.001803	0.001448	0.001593	0.001305	0.001685	0.001337	0.001419	0.001157	0.001839	0.001214	
52	0.002047	0.001627	0.001796	0.001485	0.001790	0.001470	0.001493	0.001296	0.001973	0.001351	
53	0.002226	0.001805	0.001953	0.001670	0.002047	0.001652	0.001708	0.001482	0.002157	0.001537	
54	0.002433	0.002011	0.002135	0.001884	0.002226	0.001833	0.001857	0.001675	0.002364	0.001726	
55	0.002687	0.002248	0.002374	0.002134	0.002452	0.002041	0.002065	0.001899	0.002722	0.001945	
56	0.003075	0.002566	0.002734	0.002468	0.002708	0.002283	0.002301	0.002162	0.003202	0.002202	
57	0.003596	0.002949	0.003219	0.002855	0.003098	0.002586	0.002657	0.002472	0.003633	0.002509	
58	0.004055	0.003325	0.003653	0.003218	0.003624	0.002949	0.003136	0.002819	0.004144	0.002862	
59	0.004563	0.003750	0.004111	0.003630	0.004055	0.003325	0.003509	0.003178	0.004672	0.003226	
60	0.005145	0.004245	0.004635	0.004109	0.004563	0.003750	0.003949	0.003585	0.005302	0.003639	
61	0.005883	0.004832	0.005335	0.004678	0.005184	0.004245	0.004527	0.004058	0.006124	0.004120	
62	0.006703	0.005558	0.006078	0.005380	0.005883	0.004832	0.005138	0.004619	0.006987	0.004689	
63	0.007705	0.006364	0.007033	0.006160	0.006754	0.005558	0.005952	0.005313	0.008110	0.005393	
64	0.008823	0.007311	0.008053	0.007077	0.007705	0.006364	0.006790	0.006083	0.009137	0.006175	
65	0.009940	0.008239	0.009073	0.007975	0.008823	0.007311	0.007775	0.006989	0.010317	0.007095	
66	0.011309	0.009278	0.010390	0.008981	0.010016	0.008239	0.008906	0.007876	0.011849	0.007995	
67	0.012813	0.010471	0.011772	0.010136	0.011309	0.009278	0.010057	0.008870	0.013219	0.009004	
68	0.014187	0.011627	0.012949	0.011255	0.012717	0.010471	0.011206	0.010010	0.014475	0.010162	
69	0.015748	0.012853	0.014374	0.012441	0.014187	0.011627	0.012502	0.011115	0.016039	0.011283	
70	0.017319	0.014205	0.015704	0.013751	0.015630	0.012853	0.013649	0.012286	0.017717	0.012472	
71	0.019392	0.015884	0.017584	0.015276	0.017319	0.014099	0.015124	0.013357	0.019603	0.013600	
72	0.021456	0.017601	0.019456	0.016927	0.019392	0.015884	0.016934	0.015048	0.021766	0.015322	
73	0.023824	0.019430	0.021603	0.018565	0.021456	0.017469	0.018737	0.016401	0.024244	0.016749	
74	0.026536	0.021565	0.024062	0.020604	0.023824	0.019430	0.020805	0.018242	0.027047	0.018630	
75	0.029828	0.023722	0.027225	0.022517	0.026737	0.021403	0.023562	0.019914	0.030645	0.020398	
76	0.033340	0.026150	0.030430	0.024822	0.029828	0.023722	0.026286	0.022071	0.034156	0.022608	
77	0.037442	0.029028	0.034399	0.027735	0.033593	0.026347	0.029872	0.024736	0.038571	0.025262	
78	0.042027	0.032019	0.038864	0.030592	0.037726	0.029028	0.033853	0.027253	0.043513	0.027832	
79	0.047126	0.035296	0.043865	0.033723	0.042345	0.032019	0.038343	0.030061	0.049094	0.030700	



Projected Mortality											
				(Continue	d)						
	PSE	ERS		LEC	WSPRS						
	Plan 2	- 2038	Plan 1	- 2019	Plan 2	- 2034	Plan 1/2	1/2 - 2028			
	Male Female		Male Female		Male Female		Male	Female			
Offsets											
Age	-1	-1	-1	1	-1	1	-1	1			
50	0.001417	0.001119	0.001683	0.001577	0.001469	0.001388	0.001551	0.001460			
51	0.001490	0.001233	0.001786	0.001738	0.001548	0.001540	0.001639	0.001616			
52	0.001674	0.001414	0.002026	0.001937	0.001743	0.001743	0.001851	0.001818			
53	0.001820	0.001601	0.002203	0.002169	0.001895	0.001981	0.002013	0.002054			
54	0.001990	0.001819	0.002409	0.002478	0.002072	0.002298	0.002201	0.002368			
55	0.002220	0.002075	0.002662	0.002872	0.002307	0.002704	0.002443	0.002770			
56	0.002566	0.002417	0.003047	0.003290	0.002661	0.003145	0.002809	0.003202			
57	0.003032	0.002805	0.003566	0.003741	0.003137	0.003603	0.003302	0.003657			
58	0.003453	0.003162	0.004023	0.004235	0.003566	0.004079	0.003742	0.004140			
59	0.003886	0.003567	0.004527	0.004820	0.004013	0.004643	0.004211	0.004713			
60	0.004381	0.004038	0.005104	0.005544	0.004524	0.005340	0.004748	0.005420			
61	0.005061	0.004596	0.005839	0.006348	0.005215	0.006114	0.005456	0.006206			
62	0.005766	0.005286	0.006653	0.007293	0.005943	0.007024	0.006217	0.007130			
63	0.006695	0.006053	0.007651	0.008219	0.006886	0.007916	0.007183	0.008036			
64	0.007666	0.006954	0.008761	0.009255	0.007885	0.008914	0.008224	0.009049			
65	0.008637	0.007837	0.009871	0.010445	0.008883	0.010060	0.009266	0.010213			
66	0.009926	0.008825	0.011236	0.011598	0.010189	0.011171	0.010595	0.011340			
67	0.011246	0.009960	0.012730	0.012821	0.011544	0.012348	0.012004	0.012535			
68	0.012328	0.011059	0.014088	0.014170	0.012679	0.013648	0.013225	0.013854			
69	0.013684	0.012225	0.015638	0.015964	0.014074	0.015376	0.014680	0.015609			
70	0.014898	0.013512	0.017189	0.017689	0.015353	0.017038	0.016063	0.017295			
71	0.016681	0.014958	0.019246	0.019518	0.017191	0.018658	0.017986	0.018998			
72	0.018457	0.016574	0.021295	0.021663	0.019021	0.020708	0.019900	0.021085			
73	0.020494	0.018115	0.023645	0.023817	0.021120	0.022597	0.022096	0.023078			
74	0.022827	0.020105	0.026337	0.026255	0.023525	0.024910	0.024612	0.025440			
75	0.025919	0.021894	0.029620	0.028695	0.026657	0.027021	0.027805	0.027679			
76	0.028970	0.024135	0.033107	0.031652	0.029796	0.029805	0.031079	0.030530			
77	0.032864	0.027063	0.037199	0.035172	0.033732	0.033370	0.035078	0.034080			
78	0.037261	0.029851	0.041775	0.038831	0.038169	0.036842	0.039572	0.037625			
79	0.042204	0.032905	0.046867	0.042922	0.043146	0.040723	0.044597	0.041589			



Projected Mortality										
					(Continue	d)				
		PE	RS			TI	RS		SE	RS
	Plan 1	- 2018	Plan 2/3	3 - 2031	Plan 1	- 2018	Plan 2/	3 - 2036	Plan 2/	3 - 2030
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Offsets										
Age	-1	-1	-1	-1	-2	-2	-2	-2	0	-2
80	0.052850	0.038967	0.049516	0.037231	0.047483	0.035296	0.043386	0.033137	0.055381	0.033841
81	0.059260	0.043073	0.055885	0.041154	0.053249	0.038967	0.049097	0.036584	0.062924	0.037362
82	0.066926	0.047674	0.063528	0.045550	0.059708	0.043073	0.055552	0.040439	0.071368	0.041298
83	0.074884	0.052851	0.071082	0.050496	0.066926	0.047674	0.062268	0.044759	0.079554	0.045710
84	0.084104	0.058683	0.080357	0.056068	0.075450	0.052851	0.070835	0.049619	0.089817	0.050674
85	0.093676	0.065758	0.089503	0.063239	0.084104	0.059126	0.078960	0.056014	0.099699	0.057033
86	0.103983	0.073923	0.099350	0.071556	0.093676	0.066255	0.087947	0.063336	0.110537	0.064294
87	0.116157	0.083194	0.111708	0.081056	0.104768	0.074481	0.099253	0.071844	0.124317	0.072713
88	0.129854	0.092927	0.125696	0.090540	0.117034	0.083194	0.111878	0.080249	0.139696	0.081219
89	0.143956	0.104286	0.139347	0.102270	0.129854	0.093628	0.124133	0.091132	0.154381	0.091957
90	0.160288	0.115978	0.156171	0.113736	0.145042	0.104286	0.139908	0.101506	0.172717	0.102424
91	0.176916	0.128172	0.172371	0.125695	0.160288	0.115978	0.154615	0.112886	0.188124	0.113907
92	0.194152	0.140749	0.190399	0.138029	0.178251	0.128172	0.173499	0.124755	0.207067	0.125883
93	0.210831	0.154573	0.206756	0.152575	0.194152	0.141810	0.188976	0.139279	0.223373	0.140118
94	0.227433	0.167391	0.223038	0.165228	0.210831	0.154573	0.205210	0.151814	0.239654	0.152728
95	0.245849	0.179536	0.242672	0.177216	0.229147	0.167391	0.225057	0.164404	0.259582	0.165393
96	0.262717	0.191037	0.259322	0.188569	0.245849	0.179536	0.241461	0.176332	0.275510	0.177394
97	0.278838	0.203233	0.275235	0.201916	0.262717	0.192477	0.258028	0.190752	0.290986	0.191325
98	0.296719	0.213311	0.294796	0.211929	0.280939	0.203233	0.278421	0.201412	0.310601	0.202017
99	0.312470	0.221940	0.310445	0.220502	0.296719	0.213311	0.294060	0.211399	0.325290	0.212035
100	0.329712	0.231040	0.329712	0.231040	0.314823	0.223611	0.314823	0.223611	0.344556	0.223611
101	0.344556	0.237467	0.344556	0.237467	0.329712	0.231040	0.329712	0.231040	0.358628	0.231040
102	0.358628	0.244834	0.358628	0.244834	0.344556	0.237467	0.344556	0.237467	0.371685	0.237467
103	0.371685	0.254498	0.371685	0.254498	0.358628	0.244834	0.358628	0.244834	0.383040	0.244834
104	0.383040	0.266044	0.383040	0.266044	0.371685	0.254498	0.371685	0.254498	0.392003	0.254498
105	0.392003	0.279055	0.392003	0.279055	0.383040	0.266044	0.383040	0.266044	0.397886	0.266044
106	0.397886	0.293116	0.397886	0.293116	0.392003	0.279055	0.392003	0.279055	0.400000	0.279055
107	0.400000	0.307811	0.400000	0.307811	0.397886	0.293116	0.397886	0.293116	0.400000	0.293116
108	0.400000	0.322725	0.400000	0.322725	0.400000	0.307811	0.400000	0.307811	0.400000	0.307811
109	0.400000	0.337441	0.400000	0.337441	0.400000	0.322725	0.400000	0.322725	0.400000	0.322725
110	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000



	Projected Mortality										
				(Continue	d)						
	PSE	ERS		LEC	OFF		WSI	PRS			
	Plan 2	- 2038	Plan 1	- 2019	Plan 2	- 2034	Plan 1/2	2 - 2028			
	Male	Female	Male	Female	Male	Female	Male	Female			
Offsets											
Age	-1	-1	-1	1	-1	1	-1	1			
80	0.047808	0.036329	0.052585	0.047507	0.048777	0.045073	0.050266	0.046032			
81	0.054148	0.040156	0.058993	0.052666	0.055134	0.049968	0.056646	0.051030			
82	0.061770	0.044446	0.066658	0.058478	0.062769	0.055482	0.064296	0.056661			
83	0.069115	0.049272	0.074584	0.065037	0.070232	0.061705	0.071942	0.063017			
84	0.078409	0.054709	0.083810	0.072564	0.079516	0.068846	0.081206	0.070310			
85	0.087333	0.061923	0.093349	0.081706	0.088566	0.078106	0.090449	0.079526			
86	0.096941	0.070313	0.103619	0.092001	0.098310	0.088610	0.100400	0.089951			
87	0.109383	0.079928	0.115809	0.103298	0.110706	0.100242	0.112719	0.101453			
88	0.123513	0.089280	0.129529	0.114879	0.124756	0.111481	0.126644	0.112828			
89	0.136926	0.101201	0.143596	0.127979	0.138304	0.125130	0.140397	0.126262			
90	0.153997	0.112547	0.159968	0.140538	0.155235	0.137409	0.157111	0.138652			
91	0.169973	0.124381	0.176563	0.153186	0.171339	0.149775	0.173410	0.151130			
92	0.188409	0.136586	0.193860	0.165890	0.189544	0.162196	0.191259	0.163664			
93	0.204595	0.151510	0.210514	0.179357	0.205827	0.176685	0.207689	0.177749			
94	0.220706	0.164075	0.227092	0.190846	0.222036	0.188004	0.224044	0.189136			
95	0.240979	0.175980	0.245603	0.201512	0.241945	0.198510	0.243402	0.199705			
96	0.257512	0.187253	0.262454	0.211504	0.258545	0.208354	0.260101	0.209608			
97	0.273314	0.201210	0.278559	0.221829	0.274410	0.220171	0.276062	0.220833			
98	0.293766	0.211188	0.296571	0.229199	0.294354	0.227486	0.295239	0.228169			
99	0.309360	0.219731	0.312314	0.235574	0.309980	0.233814	0.310912	0.234516			
100	0.329712	0.231040	0.329712	0.244834	0.329712	0.244834	0.329712	0.244834			
101	0.344556	0.237467	0.344556	0.254498	0.344556	0.254498	0.344556	0.254498			
102	0.358628	0.244834	0.358628	0.266044	0.358628	0.266044	0.358628	0.266044			
103	0.371685	0.254498	0.371685	0.279055	0.371685	0.279055	0.371685	0.279055			
104	0.383040	0.266044	0.383040	0.293116	0.383040	0.293116	0.383040	0.293116			
105	0.392003	0.279055	0.392003	0.307811	0.392003	0.307811	0.392003	0.307811			
106	0.397886	0.293116	0.397886	0.322725	0.397886	0.322725	0.397886	0.322725			
107	0.400000	0.307811	0.400000	0.337441	0.400000	0.337441	0.400000	0.337441			
108	0.400000	0.322725	0.400000	0.351544	0.400000	0.351544	0.400000	0.351544			
109	0.400000	0.337441	0.400000	0.351544	0.400000	0.351544	0.400000	0.351544			
110	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000			



	Projected Disabled Mortality										
		PE	RS			Ti	RS		SE	RS	
	Plan 1	- 2018	Plan 2/3	3 - 2031	Plan 1	- 2018	Plan 2/3	3 - 2036	Plan 2/	3 - 2030	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Offsets											
Age	0	0	0	0	0	0	0	0	0	0	
20	0.019008	0.006447	0.016790	0.005808	0.019008	0.006447	0.016007	0.005579	0.016951	0.005855	
21	0.019181	0.006389	0.017054	0.005718	0.019181	0.006389	0.016301	0.005479	0.017209	0.005767	
22	0.019356	0.006389	0.017323	0.005718	0.019356	0.006389	0.016599	0.005479	0.017472	0.005767	
23	0.019711	0.006447	0.017873	0.005808	0.019711	0.006447	0.017213	0.005579	0.018008	0.005855	
24	0.020071	0.006506	0.018440	0.005899	0.020071	0.006506	0.017848	0.005681	0.018560	0.005944	
25	0.020624	0.006565	0.019323	0.005992	0.020624	0.006565	0.018844	0.005785	0.019420	0.006034	
26	0.021383	0.006685	0.020564	0.006182	0.021383	0.006685	0.020257	0.005999	0.020626	0.006219	
27	0.021577	0.006685	0.020886	0.006182	0.021577	0.006685	0.020626	0.005999	0.020938	0.006219	
28	0.021577	0.006685	0.020886	0.006182	0.021577	0.006685	0.020626	0.005999	0.020938	0.006219	
29	0.021577	0.006685	0.020886	0.006182	0.021577	0.006685	0.020626	0.005999	0.020938	0.006219	
30	0.021577	0.006807	0.020886	0.006378	0.021577	0.006807	0.020626	0.006220	0.020938	0.006410	
31	0.021577	0.006931	0.020886	0.006580	0.021577	0.006931	0.020626	0.006449	0.020938	0.006606	
32	0.021577	0.006931	0.020886	0.006580	0.021577	0.006931	0.020626	0.006449	0.020938	0.006606	
33	0.021577	0.006869	0.020886	0.006478	0.021577	0.006869	0.020626	0.006333	0.020938	0.006507	
34	0.021577	0.006807	0.020886	0.006378	0.021577	0.006807	0.020626	0.006220	0.020938	0.006410	
35	0.021577	0.006746	0.020886	0.006279	0.021577	0.006746	0.020626	0.006108	0.020938	0.006314	
36	0.021577	0.006685	0.020886	0.006182	0.021577	0.006685	0.020626	0.005999	0.020938	0.006219	
37	0.021577	0.006625	0.020886	0.006086	0.021577	0.006625	0.020626	0.005891	0.020938	0.006126	
38	0.021383	0.006565	0.020564	0.005992	0.021383	0.006565	0.020257	0.005785	0.020626	0.006034	
39	0.021191	0.006506	0.020246	0.005899	0.021191	0.006506	0.019895	0.005681	0.020317	0.005944	
40	0.021000	0.006506	0.019934	0.005899	0.021000	0.006506	0.019538	0.005681	0.020014	0.005944	
41	0.020811	0.006506	0.019626	0.005899	0.020811	0.006506	0.019188	0.005681	0.019715	0.005944	
42	0.020624	0.006506	0.019323	0.005899	0.020624	0.006506	0.018844	0.005681	0.019420	0.005944	
43	0.020438	0.006506	0.019024	0.005899	0.020438	0.006506	0.018506	0.005681	0.019129	0.005944	
44	0.020254	0.006506	0.018730	0.005899	0.020254	0.006506	0.018174	0.005681	0.018843	0.005944	
45	0.020071	0.006447	0.018440	0.005808	0.020071	0.006447	0.017848	0.005579	0.018560	0.005855	
46	0.021015	0.007018	0.019181	0.006281	0.021015	0.007018	0.018519	0.006019	0.019316	0.006335	
47	0.021940	0.007614	0.019895	0.006769	0.021940	0.007614	0.019160	0.006470	0.020045	0.006831	
48	0.022850	0.008307	0.020584	0.007386	0.022850	0.008307	0.019774	0.007059	0.020750	0.007453	
49	0.023744	0.009037	0.021250	0.008035	0.023744	0.009037	0.020362	0.007680	0.021432	0.008108	



	Projected Disabled Mortality										
				(Continued)						
	PSI	ERS		LE	OFF		WS	PRS			
	Plan 2	- 2038	Plan 1	- 2019	Plan 2	- 2034	Plan 1/2	2 - 2028			
	Male	Female	Male	Female	Male	Female	Male	Female			
Offsets											
Age	0	0	2	2	0	0	0	0			
20	0.015704	0.005490	0.000306	0.000166	0.016316	0.005670	0.017277	0.005950			
21	0.016008	0.005386	0.000316	0.000168	0.016598	0.005573	0.017523	0.005866			
22	0.016318	0.005386	0.000322	0.000171	0.016885	0.005573	0.017772	0.005866			
23	0.016955	0.005490	0.000328	0.000178	0.017474	0.005670	0.018281	0.005950			
24	0.017617	0.005596	0.000337	0.000186	0.018082	0.005768	0.018804	0.006034			
25	0.018656	0.005705	0.000350	0.000196	0.019034	0.005867	0.019615	0.006120			
26	0.020136	0.005927	0.000372	0.000210	0.020379	0.006071	0.020750	0.006295			
27	0.020523	0.005927	0.000393	0.000221	0.020730	0.006071	0.021043	0.006295			
28	0.020523	0.005927	0.000423	0.000236	0.020730	0.006071	0.021043	0.006295			
29	0.020523	0.005927	0.000476	0.000275	0.020730	0.006071	0.021043	0.006295			
30	0.020523	0.006158	0.000536	0.000319	0.020730	0.006283	0.021043	0.006474			
31	0.020523	0.006398	0.000602	0.000365	0.020730	0.006501	0.021043	0.006659			
32	0.020523	0.006398	0.000669	0.000402	0.020730	0.006501	0.021043	0.006659			
33	0.020523	0.006277	0.000737	0.000435	0.020730	0.006391	0.021043	0.006566			
34	0.020523	0.006158	0.000802	0.000466	0.020730	0.006283	0.021043	0.006474			
35	0.020523	0.006041	0.000862	0.000497	0.020730	0.006176	0.021043	0.006384			
36	0.020523	0.005927	0.000918	0.000532	0.020730	0.006071	0.021043	0.006295			
37	0.020523	0.005815	0.000971	0.000571	0.020730	0.005968	0.021043	0.006207			
38	0.020136	0.005705	0.001016	0.000617	0.020379	0.005867	0.020750	0.006120			
39	0.019756	0.005596	0.001065	0.000671	0.020035	0.005768	0.020460	0.006034			
40	0.019382	0.005596	0.001123	0.000738	0.019696	0.005768	0.020175	0.006034			
41	0.019016	0.005596	0.001189	0.000812	0.019362	0.005768	0.019893	0.006034			
42	0.018656	0.005596	0.001266	0.000892	0.019034	0.005768	0.019615	0.006034			
43	0.018303	0.005596	0.001354	0.000973	0.018712	0.005768	0.019341	0.006034			
44	0.017957	0.005596	0.001437	0.001057	0.018394	0.005768	0.019071	0.006034			
45	0.017617	0.005490	0.001527	0.001135	0.018082	0.005670	0.018804	0.005950			
46	0.018260	0.005917	0.001623	0.001217	0.018781	0.006122	0.019589	0.006444			
47	0.018873	0.006354	0.001724	0.001305	0.019450	0.006588	0.020349	0.006955			
48	0.019459	0.006933	0.001830	0.001414	0.020094	0.007188	0.021086	0.007589			
49	0.020017	0.007542	0.002076	0.001564	0.020712	0.007820	0.021801	0.008256			



	Projected Disabled Mortality									
					(Continue	d)				
		PE	RS			TI	RS		SE	RS
	Plan 1	- 2018	Plan 2/	3 - 2031	Plan 1	- 2018	Plan 2/	3 - 2036 Plan 2/		3 - 2030
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Offsets										
Age	0	0	0	0	0	0	0	0	0	0
50	0.024623	0.009892	0.021893	0.008853	0.024623	0.009892	0.020925	0.008483	0.022092	0.008929
51	0.025490	0.010797	0.022515	0.009727	0.025490	0.010797	0.021466	0.009344	0.022731	0.009805
52	0.026340	0.011858	0.023114	0.010823	0.026340	0.011858	0.021981	0.010449	0.023347	0.010899
53	0.027421	0.012980	0.024063	0.012003	0.027421	0.012980	0.022883	0.011647	0.024306	0.012076
54	0.028500	0.014160	0.025010	0.013267	0.028500	0.014160	0.023784	0.012938	0.025262	0.013333
55	0.029847	0.015392	0.026364	0.014611	0.029847	0.015392	0.025135	0.014321	0.026617	0.014670
56	0.031216	0.016672	0.027754	0.016033	0.031216	0.016672	0.026527	0.015794	0.028006	0.016081
57	0.032610	0.017832	0.029185	0.017261	0.032610	0.017832	0.027965	0.017047	0.029435	0.017305
58	0.034039	0.018842	0.030664	0.018238	0.034039	0.018842	0.029457	0.018012	0.030911	0.018284
59	0.035194	0.019853	0.031704	0.019217	0.035194	0.019853	0.030456	0.018978	0.031960	0.019266
60	0.036383	0.020877	0.032775	0.020208	0.036383	0.020877	0.031485	0.019957	0.033040	0.020259
61	0.037965	0.021926	0.034425	0.021224	0.037965	0.021926	0.033153	0.020960	0.034685	0.021277
62	0.039281	0.023019	0.035618	0.022282	0.039281	0.023019	0.034303	0.022005	0.035888	0.022338
63	0.041051	0.024179	0.037468	0.023405	0.041051	0.024179	0.036175	0.023113	0.037732	0.023463
64	0.042569	0.025428	0.038854	0.024614	0.042569	0.025428	0.037513	0.024308	0.039128	0.024676
65	0.044215	0.026791	0.040356	0.025934	0.044215	0.026791	0.038963	0.025611	0.040640	0.025998
66	0.046430	0.028290	0.042656	0.027384	0.046430	0.028290	0.041288	0.027044	0.042935	0.027453
67	0.048419	0.029945	0.044484	0.028986	0.048419	0.029945	0.043057	0.028626	0.044775	0.029059
68	0.050150	0.031770	0.045773	0.030753	0.050150	0.031770	0.044193	0.030370	0.046095	0.030830
69	0.052532	0.033778	0.047948	0.032697	0.052532	0.033778	0.046293	0.032290	0.048286	0.032779
70	0.054652	0.035977	0.049557	0.034825	0.054652	0.035977	0.047726	0.034392	0.049931	0.034912
71	0.057497	0.038027	0.052137	0.036570	0.057497	0.038027	0.050211	0.036025	0.052531	0.036680
72	0.060609	0.040595	0.054959	0.039040	0.060609	0.040595	0.052928	0.038458	0.055374	0.039158
73	0.064004	0.042970	0.058037	0.041055	0.064004	0.042970	0.055893	0.040342	0.058475	0.041199
74	0.067689	0.045905	0.061378	0.043859	0.067689	0.045905	0.059111	0.043097	0.061842	0.044013
75	0.072319	0.048595	0.066008	0.046127	0.072319	0.048595	0.063730	0.045212	0.066473	0.046313
76	0.076623	0.051895	0.069936	0.049260	0.076623	0.051895	0.067522	0.048283	0.070429	0.049458
77	0.081943	0.055903	0.075283	0.053412	0.081943	0.055903	0.072868	0.052484	0.075775	0.053600
78	0.087616	0.059659	0.081023	0.057000	0.087616	0.059659	0.078621	0.056010	0.081512	0.057201
79	0.093621	0.063647	0.087144	0.060811	0.093621	0.063647	0.084773	0.059754	0.087626	0.061024



Projected Disabled Mortality										
				(Continued	<i>f</i>)					
	PSI	ERS			ÓFF		ws	PRS		
	Plan 2	- 2038	Plan 1	- 2019	Plan 2	- 2034	Plan 1/2	2 - 2028		
	Male	Female	Male	Female	Male	Female	Male	Female		
Offsets										
Age	0	0	2	2	0	0	0	0		
50	0.020550	0.008340	0.002239	0.001724	0.021307	0.008629	0.022495	0.009083		
51	0.021060	0.009195	0.002429	0.001906	0.021879	0.009495	0.023169	0.009964		
52	0.021543	0.010304	0.002640	0.002134	0.022427	0.010597	0.023821	0.011053		
53	0.022428	0.011508	0.002999	0.002438	0.023348	0.011788	0.024799	0.012222		
54	0.023311	0.012809	0.003480	0.002826	0.024267	0.013069	0.025775	0.013468		
55	0.024660	0.014207	0.003926	0.003238	0.025619	0.014436	0.027130	0.014788		
56	0.026052	0.015699	0.004454	0.003711	0.027012	0.015889	0.028517	0.016178		
57	0.027492	0.016961	0.005063	0.004235	0.028447	0.017132	0.029942	0.017391		
58	0.028988	0.017922	0.005792	0.004820	0.029934	0.018102	0.031412	0.018376		
59	0.029971	0.018884	0.006600	0.005544	0.030949	0.019074	0.032477	0.019362		
60	0.030983	0.019857	0.007529	0.006348	0.031995	0.020057	0.033575	0.020361		
61	0.032658	0.020855	0.008691	0.007293	0.033656	0.021065	0.035211	0.021384		
62	0.033790	0.021895	0.009791	0.008219	0.034823	0.022115	0.036432	0.022450		
63	0.035670	0.022998	0.011146	0.009255	0.036687	0.023229	0.038266	0.023581		
64	0.036990	0.024186	0.012628	0.010445	0.038044	0.024430	0.039682	0.024800		
65	0.038419	0.025483	0.014088	0.011598	0.039514	0.025739	0.041215	0.026129		
66	0.040753	0.026909	0.015765	0.012821	0.041830	0.027180	0.043499	0.027591		
67	0.042499	0.028483	0.017468	0.014170	0.043622	0.028769	0.045363	0.029205		
68	0.043577	0.030219	0.019402	0.015964	0.044818	0.030523	0.046748	0.030984		
69	0.045647	0.032129	0.021468	0.017689	0.046948	0.032452	0.048969	0.032943		
70	0.047013	0.034220	0.023645	0.019676	0.048450	0.034565	0.050689	0.035088		
71	0.049460	0.035809	0.026337	0.021663	0.050972	0.036242	0.053327	0.036901		
72	0.052138	0.038228	0.029382	0.024009	0.053731	0.038690	0.056214	0.039394		
73	0.055057	0.040060	0.032841	0.026255	0.056741	0.040626	0.059362	0.041489		
74	0.058228	0.042796	0.036604	0.028927	0.060008	0.043400	0.062780	0.044323		
75	0.062841	0.044851	0.041107	0.031652	0.064631	0.045576	0.067414	0.046685		
76	0.066580	0.047897	0.045748	0.034891	0.068478	0.048671	0.071426	0.049856		
77	0.071923	0.052117	0.051331	0.038831	0.073824	0.052853	0.076770	0.053977		
78	0.077680	0.055618	0.057587	0.042922	0.079573	0.056404	0.082499	0.057603		
79	0.083843	0.059337	0.065070	0.047507	0.085714	0.060175	0.088597	0.061454		



				Projec	ted Disable	d Mortality				
					(Continue	d)				
		PE	RS			TI	RS		SE	RS
	Plan 1	- 2018	Plan 2/	3 - 2031	Plan 1	- 2018	Plan 2/3	3 - 2036	Plan 2/3	3 - 2030
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Offsets										
Age	0	0	0	0	0	0	0	0	0	0
80	0.099936	0.067889	0.093631	0.064864	0.099936	0.067889	0.091314	0.063737	0.094102	0.065092
81	0.106534	0.072417	0.100468	0.069191	0.106534	0.072417	0.098227	0.067988	0.100922	0.069434
82	0.113394	0.077265	0.107637	0.073822	0.113394	0.077265	0.105501	0.072539	0.108069	0.074081
83	0.119410	0.082466	0.113347	0.078791	0.119410	0.082466	0.111099	0.077422	0.113803	0.079068
84	0.126671	0.088058	0.121027	0.084134	0.126671	0.088058	0.118924	0.082672	0.121452	0.084429
85	0.132943	0.094928	0.127019	0.091292	0.132943	0.094928	0.124812	0.089930	0.127465	0.091566
86	0.139299	0.102381	0.133093	0.099103	0.139299	0.102381	0.130780	0.097870	0.133560	0.099351
87	0.147063	0.110459	0.141429	0.107621	0.147063	0.110459	0.139321	0.106549	0.141855	0.107837
88	0.155041	0.118129	0.150077	0.115095	0.155041	0.118129	0.148210	0.113948	0.150453	0.115325
89	0.161777	0.127480	0.156598	0.125017	0.161777	0.127480	0.154650	0.124082	0.156990	0.125205
90	0.176916	0.136316	0.172371	0.133681	0.176916	0.136316	0.170655	0.132682	0.172717	0.133882
91	0.192698	0.145707	0.187748	0.142891	0.192698	0.145707	0.185878	0.141823	0.188124	0.143106
92	0.210831	0.155661	0.206756	0.152652	0.210831	0.155661	0.205210	0.151511	0.207067	0.152882
93	0.227433	0.167391	0.223038	0.165228	0.227433	0.167391	0.221370	0.164404	0.223373	0.165393
94	0.244010	0.179536	0.239294	0.177216	0.244010	0.179536	0.237505	0.176332	0.239654	0.177394
95	0.262717	0.191037	0.259322	0.188569	0.262717	0.191037	0.258028	0.187628	0.259582	0.188758
96	0.278838	0.201713	0.275235	0.199107	0.278838	0.201713	0.273861	0.198113	0.275510	0.199306
97	0.294500	0.213311	0.290695	0.211929	0.294500	0.213311	0.289244	0.211399	0.290986	0.212035
98	0.312470	0.221940	0.310445	0.220502	0.312470	0.221940	0.309670	0.219951	0.310601	0.220612
99	0.327248	0.229313	0.325127	0.227827	0.327248	0.229313	0.324315	0.227258	0.325290	0.227941
100	0.344556	0.237467	0.344556	0.237467	0.344556	0.237467	0.344556	0.237467	0.344556	0.237467
101	0.358628	0.244834	0.358628	0.244834	0.358628	0.244834	0.358628	0.244834	0.358628	0.244834
102	0.371685	0.254498	0.371685	0.254498	0.371685	0.254498	0.371685	0.254498	0.371685	0.254498
103	0.383040	0.266044	0.383040	0.266044	0.383040	0.266044	0.383040	0.266044	0.383040	0.266044
104	0.392003	0.279055	0.392003	0.279055	0.392003	0.279055	0.392003	0.279055	0.392003	0.279055
105	0.397886	0.293116	0.397886	0.293116	0.397886	0.293116	0.397886	0.293116	0.397886	0.293116
106	0.400000	0.307811	0.400000	0.307811	0.400000	0.307811	0.400000	0.307811	0.400000	0.307811
107	0.400000	0.322725	0.400000	0.322725	0.400000	0.322725	0.400000	0.322725	0.400000	0.322725
108	0.400000	0.337441	0.400000	0.337441	0.400000	0.337441	0.400000	0.337441	0.400000	0.337441
109	0.400000	0.351544	0.400000	0.351544	0.400000	0.351544	0.400000	0.351544	0.400000	0.351544
110	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000



Projected Disabled Mortality										
				(Continued	()					
	PSI	ERS		LE	ÖFF		WS	PRS		
	Plan 2	- 2038	Plan 1	- 2019	Plan 2	- 2034	Plan 1/2	2 - 2028		
	Male	Female	Male	Female	Male	Female	Male	Female		
Offsets										
Age	0	0	2	2	0	0	0	0		
80	0.090403	0.063292	0.073395	0.052666	0.092234	0.064186	0.095050	0.065550		
81	0.097345	0.067513	0.082474	0.058478	0.099118	0.068467	0.101836	0.069922		
82	0.104659	0.072032	0.092602	0.065037	0.106350	0.073050	0.108939	0.074603		
83	0.110212	0.076881	0.102790	0.072564	0.111993	0.077967	0.114719	0.079625		
84	0.118093	0.082094	0.114883	0.081053	0.119761	0.083254	0.122307	0.085024		
85	0.123940	0.089392	0.127467	0.091266	0.125690	0.090472	0.128362	0.092118		
86	0.129866	0.097381	0.141310	0.102473	0.131700	0.098361	0.134500	0.099850		
87	0.138486	0.106124	0.157422	0.114879	0.140160	0.106977	0.142710	0.108270		
88	0.147470	0.113493	0.175153	0.126958	0.148954	0.114405	0.151208	0.115788		
89	0.153878	0.123710	0.190777	0.140538	0.155426	0.124455	0.157778	0.125581		
90	0.169973	0.132284	0.208834	0.153186	0.171339	0.133080	0.173410	0.134285		
91	0.185135	0.141398	0.225279	0.165890	0.186624	0.142249	0.188879	0.143536		
92	0.204595	0.151057	0.243644	0.177926	0.205827	0.151967	0.207689	0.153341		
93	0.220706	0.164075	0.260360	0.190846	0.222036	0.164733	0.224044	0.165725		
94	0.236793	0.175980	0.276337	0.201512	0.238219	0.176685	0.240374	0.177749		
95	0.257512	0.187253	0.294206	0.211504	0.258545	0.188004	0.260101	0.189136		
96	0.273314	0.197717	0.309824	0.220060	0.274410	0.198510	0.276062	0.199705		
97	0.288666	0.211188	0.324476	0.229199	0.289823	0.211611	0.291569	0.212247		
98	0.309360	0.219731	0.341810	0.235574	0.309980	0.220171	0.310912	0.220833		
99	0.323991	0.227031	0.355770	0.242883	0.324640	0.227486	0.325615	0.228169		
100	0.344556	0.237467	0.371685	0.254498	0.344556	0.237467	0.344556	0.237467		
101	0.358628	0.244834	0.383040	0.266044	0.358628	0.244834	0.358628	0.244834		
102	0.371685	0.254498	0.392003	0.279055	0.371685	0.254498	0.371685	0.254498		
103	0.383040	0.266044	0.397886	0.293116	0.383040	0.266044	0.383040	0.266044		
104	0.392003	0.279055	0.400000	0.307811	0.392003	0.279055	0.392003	0.279055		
105	0.397886	0.293116	0.400000	0.322725	0.397886	0.293116	0.397886	0.293116		
106	0.400000	0.307811	0.400000	0.337441	0.400000	0.307811	0.400000	0.307811		
107	0.400000	0.322725	0.400000	0.351544	0.400000	0.322725	0.400000	0.322725		
108	0.400000	0.337441	0.400000	0.351544	0.400000	0.337441	0.400000	0.337441		
109	0.400000	0.351544	0.400000	0.351544	0.400000	0.351544	0.400000	0.351544		
110	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000		



			Prob	ability of Dis	sablement			
		PEI	RS*			TF	RS	
	Pla	ın 1	Plai	n 2/3	Pla	n 1	Plai	n 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	0.0013	0.0014	0.0004	0.0004	0.0008	0.0008	0.0002	0.0002
45 46	0.0015	0.0014	0.0005	0.0005	0.0009	0.0010	0.0002	0.0002
46	0.0016	0.0015	0.0005	0.0005	0.0011	0.0011	0.0003	0.0002
47	0.0018	0.0015	0.0006	0.0006	0.0012	0.0012	0.0003	0.0003
48	0.0021	0.0020	0.0007	0.0007	0.0013	0.0013	0.0003	0.0003
49	0.0023	0.0025	0.0008	0.0009	0.0015	0.0015	0.0004	0.0003

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



	Probability of Disablement									
				(Continue	d)					
		PEI					RS			
		ın 1		n 2/3	Pla			n 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	0.0031	0.0033	0.0036	0.0036	0.0013	0.0009		
57	0.0117	0.0080	0.0036	0.0038	0.0038	0.0039	0.0015	0.0011		
58	0.0117	0.0075	0.0050	0.0051	0.0041	0.0042	0.0018	0.0013		
59	0.0117	0.0070	0.0063	0.0064	0.0044	0.0044	0.0021	0.0016		
60	0.0117	0.0065	0.0076	0.0077	0.0047	0.0048	0.0025	0.0019		
61	0.0117	0.0060	0.0089	0.0090	0.0052	0.0053	0.0029	0.0023		
62	0.0117	0.0055	0.0102	0.0103	0.0058	0.0059	0.0034	0.0027		
63	0.0117	0.0055	0.0102	0.0103	0.0065	0.0066	0.0041	0.0032		
64 65	0.0117 0.0117	0.0055 0.0055	0.0102 0.0102	0.0103 0.0103	0.0072 0.0072	0.0073 0.0073	0.0048 0.0024	0.0039		
66							0.0024	0.0016 0.0011		
67	0.0117 0.0117	0.0055 0.0055	0.0102 0.0102	0.0103 0.0103	0.0072 0.0072	0.0073 0.0073	0.0016	0.0011		
68	0.0117	0.0055	0.0102	0.0103	0.0072	0.0073	0.0011	0.0006		
69	0.0117	0.0055	0.0102	0.0103	0.0072	0.0073	0.0007	0.0004		
70	0.0117	0.0055	0.0102	0.0103	0.0072	0.0073	0.0003	0.0004		
71	0.0117	0.0055	0.0102	0.0103	0.0072	0.0073	0.0003	0.0003		
72	0.0117	0.0055	0.0102	0.0103	0.0072	0.0073	0.0002	0.0001		
73	0.0117	0.0055	0.0102	0.0103	0.0072	0.0073	0.0001	0.0001		
74	0.0117	0.0055	0.0102	0.0103	0.0072	0.0073	0.0001	0.0001		
75	0.0117	0.0055	0.0102	0.0103	0.0072	0.0073	0.0000	0.0001		
76	0.0117	0.0055	0.0102	0.0103	0.0072	0.0073	0.0000	0.0000		
77	0.0117	0.0055	0.0102	0.0103	0.0072	0.0073	0.0000	0.0000		
78	0.0117	0.0055	0.0102	0.0103	0.0072	0.0073	0.0000	0.0000		
79	0.0117	0.0055	0.0102	0.0103	0.0072	0.0073	0.0000	0.0000		
80	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		

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	PSI	ERS	LEC)FF*	WSPRS*				
	Plar	n 2/3	Pla	ın 2	Plan 1	Plan 2	Plan 1/2				
Age	Male	Female	Male	Female	Both	Both	Both				
20	0.0000	0.0000	0.0000	0.0000	0.0010	0.0001	0.0003				
21	0.0000	0.0000	0.0000	0.0000	0.0010	0.0002	0.0003				
22	0.0000	0.0000	0.0000	0.0000	0.0010	0.0002	0.0003				
23	0.0000	0.0000	0.0000	0.0000	0.0010	0.0002	0.0003				
24	0.0000	0.0000	0.0000	0.0000	0.0010	0.0003	0.0003				
25	0.0000	0.0000	0.0001	0.0000	0.0010	0.0003	0.0004				
26	0.0000	0.0000	0.0001	0.0000	0.0024	0.0004	0.0004				
27	0.0000	0.0000	0.0001	0.0000	0.0038	0.0005	0.0004				
28	0.0000	0.0000	0.0001	0.0000	0.0052	0.0005	0.0004				
29	0.0000	0.0000	0.0001	0.0000	0.0066	0.0007	0.0005				
30	0.0000	0.0000	0.0001	0.0001	0.0080	0.0008	0.0005				
31	0.0000	0.0001	0.0001	0.0001	0.0094	0.0009	0.0005				
32	0.0000	0.0001	0.0001	0.0001	0.0107	0.0010	0.0006				
33 34	0.0000	0.0001 0.0001	0.0001 0.0001	0.0001 0.0002	0.0121 0.0135	0.0011 0.0012	0.0006				
35	0.0001 0.0001	0.0001	0.0001	0.0002	0.0135	0.0012	0.0006 0.0007				
36	0.0001	0.0002	0.0002	0.0002	0.0149	0.0013	0.0007				
37	0.0001	0.0002	0.0002	0.0002	0.0103	0.0013	0.0007				
38	0.0001	0.0002	0.0002	0.0003	0.0190	0.0018	0.0008				
39	0.0002	0.0002	0.0002	0.0003	0.0203	0.0020	0.0009				
40	0.0002	0.0002	0.0002	0.0003	0.0235	0.0021	0.0009				
41	0.0003	0.0001	0.0003	0.0003	0.0249	0.0024	0.0010				
42	0.0003	0.0001	0.0003	0.0003	0.0264	0.0025	0.0011				
43	0.0004	0.0001	0.0003	0.0003	0.0279	0.0027	0.0011				
44	0.0005	0.0002	0.0004	0.0004	0.0360	0.0028	0.0012				
45	0.0006	0.0002	0.0005	0.0005	0.0400	0.0030	0.0013				
46	0.0006	0.0002	0.0005	0.0005	0.0468	0.0033	0.0014				
47	0.0007	0.0003	0.0006	0.0006	0.0532	0.0038	0.0015				
48	0.0008	0.0004	0.0007	0.0007	0.0592	0.0044	0.0016				
49	0.0010	0.0006	0.0008	0.0009	0.0648	0.0049	0.0017				

^{*}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.

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	Probability of Disablement									
			(Co	ntinued)						
	SE	RS	PSE	ERS	LEC)FF*	WSPRS*			
	Plar	n 2/3	Pla	n 2	Plan 1	Plan 2	Plan 1/2			
Age	Male	Female	Male	Female	Both	Both	Both			
50	0.0011	0.0008	0.0009	0.0010	0.0700	0.0056	0.0018			
51	0.0012	0.0010	0.0010	0.0011	0.0748	0.0061	0.0019			
52	0.0014	0.0012	0.0011	0.0013	0.0792	0.0065	0.0020			
53	0.0020	0.0015	0.0016	0.0018	0.0832	0.0070	0.0022			
54	0.0027	0.0018	0.0021	0.0023	0.0868	0.0075	0.0023			
55	0.0032	0.0022	0.0026	0.0028	0.0900	0.0080	0.0025			
56	0.0037	0.0026	0.0031	0.0033	0.0928	0.0084	0.0026			
57	0.0044	0.0032	0.0036	0.0038	0.0952	0.0090	0.0028			
58	0.0052	0.0039	0.0050	0.0051	0.0972	0.0095	0.0030			
59	0.0061	0.0048	0.0063	0.0064	0.0988	0.0097	0.0032			
60	0.0072	0.0059	0.0076	0.0077	0.1000	0.0100	0.0034			
61	0.0085	0.0066	0.0089	0.0090	0.1008	0.0104	0.0028			
62	0.0100	0.0066	0.0102	0.0103	0.1012	0.0107	0.0021			
63	0.0118	0.0060	0.0102	0.0103	0.1012	0.0110	0.0014			
64	0.0126	0.0049	0.0102	0.0103	0.1008	0.0114	0.0007			
65	0.0126	0.0041	0.0102	0.0103	0.1000	0.0118	0.0000			
66	0.0080	0.0033	0.0102	0.0103	0.0756	0.0121	0.0000			
67	0.0050	0.0028	0.0102	0.0103	0.0544	0.0125	0.0000			
68	0.0032	0.0023	0.0102	0.0103	0.0364	0.0129	0.0000			
69	0.0020	0.0019	0.0102	0.0103	0.0216	0.0133	0.0000			
70	0.0013	0.0015	0.0102	0.0103	0.0000	0.0000	0.0000			
71	0.0008	0.0013	0.0102	0.0103	0.0000	0.0000	0.0000			
72	0.0005	0.0010	0.0102	0.0103	0.0000	0.0000	0.0000			
73	0.0003	0.0009	0.0102	0.0103	0.0000	0.0000	0.0000			
74	0.0002	0.0007	0.0102	0.0103	0.0000	0.0000	0.0000			
75 70	0.0001	0.0006	0.0102	0.0103	0.0000	0.0000	0.0000			
76	0.0001	0.0005	0.0102	0.0103	0.0000	0.0000	0.0000			
77	0.0001	0.0004	0.0102	0.0103	0.0000	0.0000	0.0000			
78	0.0000	0.0003	0.0102	0.0103	0.0000	0.0000	0.0000			
79	0.0000	0.0003	0.0102	0.0103	0.0000	0.0000	0.0000			
80	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			

^{*}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 Terminati	on				
	PE	RS	T	RS	SE	RS	PS	ERS	LEC	OFF	WSPRS
Years	All F	Plans	All F	Plans	All F	Plans	Pla	ın 2	Plan 1	Plan 2	All Plans
of									Male &	Male &	Male &
Service	Male	Female	Male	Female	Male	Female	Male	Female	Female	Female	Female
0	0.2624	0.2677	0.1080	0.1089	0.2560	0.1990	0.2624	0.2677	0.1072	0.1070	0.0334
1	0.1545	0.1677	0.0928	0.0971	0.1588	0.1313	0.1545	0.1677	0.0482	0.0481	0.0287
2	0.1007	0.1170	0.0597	0.0721	0.1169	0.1029	0.1007	0.1170	0.0246	0.0245	0.0256
3	0.0752	0.0929	0.0432	0.0592	0.0995	0.0786	0.0752	0.0929	0.0217	0.0216	0.0239
4	0.0631	0.0760	0.0414	0.0503	0.0811	0.0676	0.0631	0.0760	0.0206	0.0204	0.0226
5	0.0544	0.0665	0.0366	0.0451	0.0700	0.0624	0.0544	0.0665	0.0198	0.0197	0.0159
6	0.0459	0.0607	0.0319	0.0402	0.0610	0.0556	0.0459	0.0607	0.0194	0.0193	0.0151
7	0.0430	0.0546	0.0246	0.0342	0.0565	0.0526	0.0430	0.0546	0.0193	0.0192	0.0144
8	0.0384	0.0500	0.0224	0.0296	0.0499	0.0497	0.0384	0.0500	0.0180	0.0179	0.0138
9	0.0361	0.0445	0.0213	0.0240	0.0477	0.0475	0.0361	0.0445	0.0175	0.0174	0.0133
10	0.0341	0.0408	0.0202	0.0230	0.0439	0.0457	0.0341	0.0408	0.0172	0.0170	0.0100
11	0.0312	0.0371	0.0191	0.0216	0.0409	0.0448	0.0312	0.0371	0.0153	0.0151	0.0096
12	0.0303	0.0337	0.0186	0.0200	0.0386	0.0442	0.0303	0.0337	0.0151	0.0150	0.0092
13	0.0286	0.0323	0.0139	0.0170	0.0369	0.0440	0.0286	0.0323	0.0145	0.0144	0.0089
14	0.0279	0.0312	0.0134	0.0166	0.0329	0.0426	0.0279	0.0312	0.0116	0.0114	0.0086
15	0.0266	0.0295	0.0124	0.0160	0.0305	0.0427	0.0266	0.0295	0.0108	0.0107	0.0070
16	0.0243	0.0274	0.0118	0.0153	0.0282	0.0392	0.0243	0.0274	0.0106	0.0105	0.0067
17	0.0220	0.0242	0.0107	0.0133	0.0258	0.0364	0.0220	0.0242	0.0085	0.0084	0.0065
18	0.0197	0.0220	0.0103	0.0121	0.0229	0.0346	0.0197	0.0220	0.0087	0.0086	0.0062
19	0.0166	0.0199	0.0093	0.0114	0.0201	0.0322	0.0166	0.0199	0.0086	0.0085	0.0060
20	0.0136	0.0173	0.0086	0.0107	0.0181	0.0288	0.0136	0.0173	0.0088	0.0087	0.0033
21	0.0118	0.0144	0.0072	0.0081	0.0171	0.0271	0.0118	0.0144	0.0085	0.0084	0.0031
22	0.0101	0.0125	0.0071	0.0075	0.0158	0.0253	0.0101	0.0125	0.0082	0.0081	0.0029
23	0.0085	0.0106	0.0070	0.0073	0.0154	0.0205	0.0085	0.0106	0.0076	0.0075	0.0027
24	0.0075	0.0080	0.0070	0.0069	0.0153	0.0192	0.0075	0.0080	0.0072	0.0071	0.0025
25	0.0069	0.0066	0.0068	0.0069	0.0118	0.0156	0.0069	0.0066	0.0067	0.0066	0.0000
26	0.0055	0.0055	0.0066	0.0066	0.0101	0.0118	0.0055	0.0055	0.0077	0.0076	0.0000
27	0.0066	0.0059	0.0065	0.0065	0.0079	0.0089	0.0066	0.0059	0.0070	0.0069	0.0000
28	0.0059	0.0048	0.0054	0.0054	0.0049	0.0073	0.0059	0.0048	0.0062	0.0061	0.0000
29	0.0052	0.0043	0.0046	0.0046	0.0049	0.0073	0.0052	0.0043	0.0018	0.0017	0.0000
30+	0.0045	0.0039	0.0040	0.0038	0.0049	0.0073	0.0045	0.0039	0.0016	0.0015	0.0000



			Prob	ability of Ves	ting upon Tei	rmination*			
			(1	for those not e	ligible to retire	e early)			
	PE	RS	TI	RS	SERS	PSERS	LE	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	0.450	0.400	0.725	0.650	0.550	0.400	1.000	0.240	0.275
6	0.500	0.400	0.775	0.650	0.575	0.400	1.000	0.240	0.275
7	0.500	0.450	0.800	0.675	0.575	0.450	1.000	0.240	0.275
8	0.500	0.450	0.800	0.700	0.575	0.450	1.000	0.240	0.275
9	0.525	0.475	0.800	0.700	0.600	0.475	1.000	0.240	0.275
10	0.525	0.500	0.800	0.700	0.625	0.500	1.000	0.240	0.275
11	0.525	0.500	0.825	0.725	0.625	0.500	1.000	0.240	0.325
12	0.550	0.525	0.825	0.750	0.625	0.525	1.000	0.240	0.375
13	0.550	0.525	0.875	0.750	0.650	0.525	1.000	0.270	0.375
14	0.625	0.525	0.875	0.775	0.675	0.525	1.000	0.270	0.400
15	0.625	0.575	0.875	0.775	0.700	0.575	1.000	0.270	0.400
16	0.650	0.575	0.875	0.825	0.725	0.575	1.000	0.270	0.400
17	0.650	0.600	0.875	0.850	0.725	0.600	1.000	0.330	0.400
18	0.650	0.625	0.875	0.875	0.725	0.625	1.000	0.440	0.500
19	0.650	0.650	0.875	0.875	0.725	0.650	1.000	0.440	0.575
20	0.650	0.675	0.900	0.925	0.775	0.675	1.000	0.690	0.775
21	0.650	0.700	0.900	0.925	0.800	0.700	1.000	0.820	1.000
22	0.650	0.725	0.900	0.950	0.800	0.725	1.000	0.880	1.000
23	0.675	0.725	0.925	0.950	0.850	0.725	1.000	0.910	1.000
24	0.675	0.750	0.925	0.950	0.850	0.750	1.000	0.910	1.000
25	0.725	0.775	0.925	0.950	0.850	0.775	1.000	0.910	1.000
26	0.725	0.775	0.950	0.975	0.950	0.775	1.000	0.910	1.000
27	0.800	0.825	1.000	1.000	0.950	0.825	1.000	0.910	1.000
28	0.800	0.825	1.000	1.000	0.950	0.825	1.000	0.910	1.000
29	0.800	0.825	1.000	1.000	0.950	0.825	1.000	0.910	1.000
30+	0.925	0.950	1.000	1.000	0.950	0.950	1.000	0.910	1.000

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



	Ratio of Survivors Selecting Annuities*											
	PE	RS 1	PE	RS 2	PE	RS 3	TF	RS 1	TF	RS 2	TF	RS 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	0.44	0.12	0.00	0.00	0.00	0.00	0.35	0.45
26	0.00	0.00	0.00	0.00	0.44	0.12	0.00	0.00	0.00	0.00	0.35	0.45
27	0.00	0.00	0.00	0.00	0.44	0.12	0.00	0.00	0.00	0.00	0.35	0.45
28	0.00	0.00	0.00	0.00	0.44	0.12	0.00	0.00	0.00	0.00	0.35	0.45
29	0.00	0.00	0.00	0.00	0.44	0.12	0.00	0.00	0.00	0.00	0.35	0.45
30	0.00	0.00	0.00	0.00	0.49	0.24	0.00	0.00	0.00	0.00	0.35	0.51
31	0.00	0.00	0.00	0.00	0.49	0.24	0.00	0.00	0.00	0.00	0.35	0.51
32	0.00	0.00	0.00	0.00	0.49	0.24	0.00	0.00	0.00	0.00	0.35	0.51
33	0.00	0.00	0.00	0.00	0.49	0.24	0.00	0.00	0.00	0.00	0.35	0.51
34	0.00	0.00	0.00	0.00	0.49	0.24	0.00	0.00	0.00	0.00	0.35	0.51
35	0.00	0.00	0.00	0.00	0.49	0.29	0.00	0.00	0.00	0.00	0.40	0.57
36	0.00	0.00	0.00	0.00	0.49	0.29	0.00	0.00	0.00	0.00	0.40	0.57
37	0.00	0.00	0.00	0.00	0.49	0.29	0.00	0.00	0.00	0.00	0.40	0.57
38	0.00	0.00	0.00	0.00	0.49	0.29	0.00	0.00	0.00	0.00	0.40	0.57
39	0.00	0.00	0.00	0.00	0.49	0.29	0.00	0.00	0.00	0.00	0.40	0.57
40	0.46	0.10	0.06	0.05	0.54	0.35	0.60	0.41	0.00	0.00	0.46	0.51
41	0.46	0.10	0.06	0.05	0.54	0.35	0.60	0.41	0.00	0.00	0.46	0.51
42	0.46	0.10	0.06	0.05	0.54	0.35	0.60	0.41	0.00	0.00	0.46	0.51
43	0.46	0.10	0.06	0.05	0.54	0.35	0.60	0.41	0.00	0.00	0.46	0.51
44	0.46	0.10	0.06	0.05	0.54	0.35	0.60	0.41	0.00	0.00	0.46	0.51
45	0.56	0.34	0.10	0.05	0.54	0.46	0.65	0.46	0.00	0.00	0.48	0.51
46	0.56	0.34	0.10	0.05	0.54	0.46	0.65	0.46	0.00	0.00	0.48	0.51
47	0.56	0.34	0.10	0.05	0.54	0.46	0.65	0.46	0.00	0.00	0.48	0.51
48	0.56	0.34	0.10	0.05	0.54	0.46	0.65	0.46	0.00	0.00	0.48	0.51
49	0.56	0.34	0.10	0.05	0.54	0.46	0.65	0.46	0.00	0.00	0.48	0.51

*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 0.607 for duty-related deaths.



				Ratio	of Survi	vors Selec	ting An	nuities*				
						(Continued)					
	PE	RS 1	PE	RS 2	PERS 3		TRS 1		TRS 2		TF	RS 3
Age	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
50	0.61	0.49	0.30	0.13	0.63	0.52	0.70	0.46	0.20	0.18	0.51	0.45
51	0.61	0.49	0.30	0.13	0.63	0.52	0.70	0.46	0.20	0.18	0.51	0.45
52	0.61	0.49	0.30	0.13	0.63	0.52	0.70	0.46	0.20	0.18	0.51	0.45
53	0.61	0.49	0.30	0.13	0.63	0.52	0.70	0.46	0.20	0.18	0.51	0.45
54	0.61	0.49	0.30	0.13	0.63	0.52	0.70	0.46	0.20	0.18	0.51	0.45
55	0.72	0.49	0.44	0.22	0.70	0.58	0.70	0.46	0.52	0.29	0.51	0.45
56	0.72	0.49	0.44	0.22	0.70	0.58	0.70	0.46	0.52	0.29	0.51	0.45
57	0.72	0.49	0.44	0.22	0.70	0.58	0.70	0.46	0.52	0.29	0.51	0.45
58	0.72	0.49	0.44	0.22	0.70	0.58	0.70	0.46	0.52	0.29	0.51	0.45
59	0.72	0.49	0.44	0.22	0.70	0.58	0.70	0.46	0.52	0.29	0.51	0.45
60	0.72	0.49	0.59	0.22	0.76	0.58	0.70	0.46	0.71	0.47	0.57	0.45
61	0.72	0.49	0.59	0.22	0.76	0.58	0.70	0.46	0.71	0.47	0.57	0.45
62	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.49	0.75	0.50	0.60	0.49
63	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.49	0.75	0.50	0.60	0.49
64	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.49	0.75	0.50	0.60	0.49
65	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.49	0.75	0.56	0.66	0.49
66	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.49	0.75	0.56	0.66	0.49
67	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.49	0.75	0.56	0.66	0.49
68	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.49	0.75	0.56	0.66	0.49
69	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.49	0.75	0.56	0.66	0.49
70	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.44	0.75	0.84	0.72	0.49
71	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.44	0.75	0.84	0.72	0.49
72	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.44	0.75	0.84	0.72	0.49
73	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.44	0.75	0.84	0.72	0.49
74	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.44	0.75	0.84	0.72	0.49
75	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.44	0.75	0.84	0.72	0.49
76	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.44	0.75	0.84	0.72	0.49
77	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.44	0.75	0.84	0.72	0.49
78	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.44	0.75	0.84	0.72	0.49
79	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.44	0.75	0.84	0.72	0.49
80	0.75	0.52	0.62	0.25	0.79	0.61	0.73	0.44	0.75	0.84	0.72	0.49

^{*}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 0.607 for duty-related deaths.



			I	Ratio of Surv	vivors Sele	ecting Annu	ities*			
	SE	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	0.00	0.00	0.00
32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.07	0.00	0.07
36	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.07	0.00	0.07
37	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.07	0.00	0.07
38	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.07	0.00	0.07
39	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.07	0.00	0.07
40	0.06	0.00	0.24	0.35	0.06	0.05	0.57	0.17	0.57	0.17
41	0.06	0.00	0.24	0.35	0.06	0.05	0.57	0.17	0.57	0.17
42	0.06	0.00	0.24	0.35	0.06	0.05	0.57	0.17	0.57	0.17
43	0.06	0.00	0.24	0.35	0.06	0.05	0.57	0.17	0.57	0.17
44	0.06	0.00	0.24	0.35	0.06	0.05	0.57	0.17	0.57	0.17
45	0.15	0.04	0.36	0.40	0.10	0.05	0.57	0.27	0.57	0.27
46	0.15	0.04	0.36	0.40	0.10	0.05	0.57	0.27	0.57	0.27
47	0.15	0.04	0.36	0.40	0.10	0.05	0.57	0.27	0.57	0.27
48	0.15	0.04	0.36	0.40	0.10	0.05	0.57	0.27	0.57	0.27
49	0.15	0.04	0.36	0.40	0.10	0.05	0.57	0.27	0.57	0.27

^{*}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 0.607 for duty-related deaths.



			F	Ratio of Surv	vivors Sele	ecting Annu	ities*			
					(Continue	ed)				
	SE	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
50	0.30	0.14	0.41	0.40	0.30	0.13	0.57	0.30	0.57	0.30
51	0.30	0.14	0.41	0.40	0.30	0.13	0.57	0.30	0.57	0.30
52	0.30	0.14	0.41	0.40	0.30	0.13	0.57	0.30	0.57	0.30
53	0.30	0.14	0.41	0.40	0.30	0.13	0.57	0.30	0.57	0.30
54	0.30	0.14	0.41	0.40	0.30	0.13	0.57	0.30	0.57	0.30
55	0.40	0.20	0.47	0.57	0.44	0.22	0.57	0.40	0.57	0.40
56	0.40	0.20	0.47	0.57	0.44	0.22	0.57	0.40	0.57	0.40
57	0.40	0.20	0.47	0.57	0.44	0.22	0.57	0.40	0.57	0.40
58	0.40	0.20	0.47	0.57	0.44	0.22	0.57	0.40	0.57	0.40
59	0.40	0.20	0.47	0.57	0.44	0.22	0.57	0.40	0.57	0.40
60	0.59	0.30	0.53	0.57	0.59	0.22	0.57	0.53	0.57	0.53
61	0.59	0.30	0.53	0.57	0.59	0.22	0.57	0.53	0.57	0.53
62	0.63	0.33	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
63	0.63	0.33	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
64	0.63	0.33	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
65	0.68	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
66	0.68	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
67	0.68	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
68	0.68	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
69	0.68	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
70	0.77	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
71	0.77	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
72	0.77	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
73	0.77	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
74	0.77	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
75	0.87	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
76	0.87	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
77	0.87	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
78	0.87	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
79	0.87	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57
80	0.87	0.37	0.56	0.61	0.62	0.25	0.60	0.57	0.60	0.57

^{*}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 0.607 for duty-related deaths.



LEOFF 1 Dependent Children*									
	Male &		Male &						
Age	Female	Age	Female						
40	0.3377	61	0.0210						
41	0.3232	62	0.0201						
42	0.3087	63	0.0192						
43	0.2942	64	0.0183						
44	0.2797	65	0.0174						
45	0.2652	66	0.0165						
46	0.2507	67	0.0156						
47	0.2362	68	0.0147						
48	0.2217	69	0.0138						
49	0.2072	70	0.0129						
50	0.1927	71	0.0120						
51	0.1782	72	0.0111						
52	0.1637	73	0.0102						
53	0.1492	74	0.0093						
54	0.1347	75	0.0084						
55	0.1202	76	0.0075						
56	0.1057	77	0.0066						
57	0.0912	78	0.0057						
58	0.0767	79	0.0048						
59	0.0622	80	0.0039						
60	0.0477								

*Denotes probability LEOFF 1 members have dependent children. Applied for death and disability benefits. We assume each affected member has two children, who will remain dependent for 5 years.

	Early Retirement Factors							
	PERS 2/3,	WSPRS 2,	PSERS 2, PERS 1					
Years	TRS 2/3,	PERS 1,	TV, WSPRS 1/2		LEOFF 2	PSERS 2	Plan 2/3	
Early	SERS 2/3	TRS 1	TV	LEOFF 2	Subsidized 3%*	Subsidized 3%*	Subsidized**	
0	1.000	1.000	1.000	1.000	1.00	1.00	1.00	
1	0.896	0.909	0.901	0.910	0.97	1.00	1.00	
2	0.805	0.827	0.814	0.830	0.94	1.00	1.00	
3	0.724	0.754	0.736	0.757	0.91	1.00	1.00	
4	0.652	0.688	0.666	0.691	N/A	1.00	0.98	
5	0.588	0.628	0.604	0.631	N/A	1.00	0.95	
6	0.531	0.574	0.549	0.577	N/A	0.97	0.92	
7	0.481	0.524	0.499	0.527	N/A	0.94	0.89	
8	0.435	0.480	0.454	0.483	N/A	0.91	0.86	
9	0.395	0.440	0.413	0.442	N/A	0.88	0.83	
10	0.358	0.403	0.377	0.405	N/A	0.85	0.80	
11	0.326	0.369	0.344	0.371	N/A	0.82	N/A	
12	0.296	0.339	0.314	0.341	N/A	0.79	N/A	
13	0.269	0.311	0.287	0.313	N/A	N/A	N/A	
14	0.245	0.285	0.262	0.287	N/A	N/A	N/A	
15	0.223	0.262	0.240	0.264	N/A	N/A	N/A	
16	0.204	0.241	0.219	0.242	N/A	N/A	N/A	
17	0.186	0.221	0.201	0.223	N/A	N/A	N/A	
18	0.169	0.203	0.184	0.205	N/A	N/A	N/A	
19	0.155	0.187	0.169	0.188	N/A	N/A	N/A	
20	0.141	0.171	0.155	0.173	N/A	N/A	N/A	
21	0.129	0.158	0.142	0.159	N/A	N/A	N/A	
22	0.118	0.145	0.130	0.147	N/A	N/A	N/A	
23	0.108	0.133	0.119	0.135	N/A	N/A	N/A	
24	0.101	0.123	0.110	0.125	N/A	N/A	N/A	
25	0.100	0.113	0.102	0.115	N/A	N/A	N/A	
26	0.100	0.104	0.100	0.106	N/A	N/A	N/A	
27	0.100	0.100	0.100	0.100	N/A	N/A	N/A	
28	0.100	0.100	0.100	0.100	N/A	N/A	N/A	
29	0.100	0.100	0.100	0.100	N/A	N/A	N/A	
30+	0.100	0.100	0.100	0.100	N/A	N/A	N/A	
From M	ormal Patirom	ant Ago TV-	Terminated Vested					

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.



Average Final Compe	nsation Load
System/Plan	Load
PERS 1	4.5%
TRS 1	1.0%
WSPRS 1	7.5%

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

	Military Service								
	Percent with Military Service	Average Military Service Months	Overall Average Additional Service Years	Increase Factor					
PERS 1*									
Males	25%	30	0.64	2.5%					
Females	1%	17	0.01	0.1%					
WSPRS 1**									
Males	35%	36	1.07	3.7%					
Females	0%	0	0.00	0.1%					

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

Certain and Life Annuition	es: Years Certain
System	
PERS 1	3
PERS 2	4
TRS 1*	11
TRS 2	5
SERS 2	4
PSERS 2	4
LEOFF 1	3
LEOFF 2	5
WSPRS 1	3
WSPRS 2	4

^{*}Only disabled members get this without a reduction in their benefit. The certain period applies to only the "annuity" portion of the benefit, typically 30% of the total benefit.

Member/Beneficiary Age Difference (In Years)		
Male Female		
System	Member	Member
PERS	3	(2)
TRS	3	(2)
SERS	3	(2)
PSERS	3	(2)
LEOFF	3	(2)
WSPRS	3	(2)
Age difference is Member age minus		

Age difference is Member age minus Beneficiary age.

^{*}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. Members of WSPRS Plan 2 (those commissioned on or after January 1, 2003) may use only interruptive military service.

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** Same eligibility as if the member were active Same as PERS 2 2 3 Same as PERS 3 **SERS** 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) 60 **WSPRS** 1/2

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

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	0.0026%
TRS	0.0008%
SERS	0.0026%
PSERS	0.0026%
LEOFF 1	0.0376%
LEOFF 2	0.0376%
WSPRS	0.0200%
*TI	

*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. We increase these rates by 10% for a death resulting in payment of the special lump sum duty-death benefit.

LEOFF 2 Duty-Related Disability Assumption

Age	Duty Disability Rate*
20	97.15%
25	95.71%
30	94.30%
35	92.85%
40	91.45%
45	88.60%
50	85.75%
55+	82.90%

*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

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).	33.86%



Average Ratio of Survivors of Inactive Deaths Selecting Annuities*

System	Plan 1	Plan 2	Plan 3
PERS	59%	24%	56%
TRS	54%	35%	49%
SERS	N/A	23%	48%
PSERS	N/A	28%	N/A
LEOFF	100%	26%	N/A
WSPRS	47%	26%	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*			
		Male	Female
System	Plans	Members	Members
PERS	1	0.866	0.901
	2/3	0.775	0.843
TRS	1	0.887	0.918
	2/3	0.795	0.865
SERS	2/3	0.753	0.862
PSERS	2	0.791	0.827
LEOFF**	2	0.866	0.891
WSPRS**	1	0.948	0.962
WSPRS**	2	0.874	0.898

^{*}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	4.85%
TRS 2	5.85%
SERS 2	5.10%
PSERS 2	6.00%
LEOFF 2	8.46%
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 below represents methods and assumptions tied directly to the medical premium reimbursement

benefits. Please see the 2011 Other Post-Employment Benefits Actuarial Valuation Report (OPEB Report) for assumptions referenced below.

Medical Inflation

Current and Future Survivors, and Future Disabilities: Uniform Medical
Plan (UMP) Medicare and Pre-Medicare
assumptions (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	Family Member Total Premium		
Primary	34%		
Spouse 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 employerprovided policies.



Assumed Premiums

Disabilities (Used for Future Disabilities and Current Disabilities Who Have Missing Values)			
(Osed for Future Disabilities and Current Disabilities Who have Missing Values) Annual			
Coverage Type	Family Member	Category	Premium
COBRA			
	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	licare Subsidy		
	Age	Annual Subsidy	
	Less than 25	\$6,472.80	
	25-27	4,084.80	
	28 and Above	\$1,156.80	
		t ure Survivors under PEBB Options)	
		Annual Premium	
Family Member	Category	Medical	Dental
Survivor			
	Pre-Medicare	\$6,115.56	\$571.56
	Medicare	\$2,329.56	\$571.56
Child			
	Pre-Medicare	\$4,530.48	\$571.56



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 Sp	oouses 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 Sp	oouses of Disabilities	Age 65**	Paid for Life**	
State-Provided Medic	care Subsidy***			
Current a	nd 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.

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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.
- ♦ 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 use a ratio 4 percent higher for those henefits
- ◆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.

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, the Department of Retirement Systems. 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	\$2.06 per month/YOS* on 7/1/13	Lesser of CPI** or 3%	Lesser of CPI** or 3%							
Minimum Benefit per Month	\$48.63* per YOS on 7/1/13, \$1,639.09* for select annuitants	n/a	n/a							
Changes in Plan Provisions Since Last Valuation	District Court Judges (C 22 L 13).	District Court Judges (C 22 L 13).	District Court Judges (C 22 L 13).							

^{*}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.

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Summary of Plan Provisions - TRS (Continued)									
	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 wit 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	\$2.06 per month/YOS* on 7/1/13	Lesser of CPI** or 3%	Lesser of CPI** or 3%						
Minimum Benefit per Month	\$48.63* per YOS on 7/1/13, \$1,639.09* for select annuitants	n/a	n/a						
Changes in Plan Provisions Since Last Valuation	n/a	n/a	n/a						

^{*}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.



Sum					
	(Continued) 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 after 5/1/13), otherwise actuarial			
Disability Retirement Benefit	Accrued benefit, actuarially reduced	Accrued benefit, actuarially reduced			
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	n/a			

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

Summary of Plan Provision - PSERS (Continued)										
	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									

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

Sumi	Summary of Plan Provisions - LEOFF (Continued)										
	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	Health Insurance Reimbursement (C 287 L 13)									

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

100	
2000	
100	
38.00	

Sumr	mary of Plan Provision - WSPRS				
	(Continued)	-			
	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**	\$30.98 on 1/1/13	\$30.98 on 1/1/13			
Changes in Plan Provisions Since Last Valuation	n/a	n/a			

^{*}CPI: Urban Wage Earners & Clerical Workers, Seattle-Tacoma-Bremerton, WA - All Items. **Amount increases by 3% annually.



Age/Service Distributions

					(Numbe	r of Active	s and Avera	age Annual	Salary)					
							PERS Plan		,,					
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	1	4	0	2	14	13	12	18	21	15	29	0	129
	\$0	*	\$65,395	\$0	\$35,313	\$37,170	\$36,748	\$58,149	\$52,899	\$65,008	\$66,575	\$66,521	\$0	\$56,65
55-59	10	13	15	20	21	163	202	254	329	314	212	471	23	2,04
	\$37,293	\$38,228	\$35,370	\$44,439	\$47,088	\$43,302	\$44,484	\$49,561	\$50,864	\$56,580	\$62,290	\$64,076	\$65,805	\$54,37
60-64	14	35	22	32	32	251	303	331	530	435	287	680	164	3,110
	\$46,267	\$44,621	\$47,884	\$44,544	\$42,331	\$47,221	\$48,915	\$50,288	\$54,337	\$60,010	\$62,757	\$65,030	\$62,426	\$56,71
65-69	10	9	6	16	20	115	122	105	119	131	98	209	131	1,09
	\$66,023	\$39,818	\$40,152	\$42,062	\$42,613	\$42,850	\$52,800	\$59,064	\$57,887	\$60,345	\$61,533	\$64,077	\$67,438	\$58,11
70 & Over	2	3	4	4	4	26	24	24	33	22	13	57	36	25
	\$36,583	\$45,688	\$35,570	\$27,563	\$53,812	\$28,121	\$38,809	\$50,101	\$51,007	\$55,534	\$60,349	\$44,017	\$62,507	\$47,58
Total	36	61	51	72	79	569	664	726	1,029	923	625	1,446	354	6,63
	\$48,724	\$42,452	\$43,701	\$43,020	\$44,070	\$44,095	\$47,677	\$51,427	\$53,505	\$58,897	\$62,448	\$63,783	\$64,509	\$55,87
Average:	Age	61.5	Nu	mber of Pa	rticipants:	Vested	6,275		Males	2,453	E	arly Retirem	nent Eligible:	
3	Service	24.1			-	lot Vested	360		Females	4,182		•	nent Eligible:	5,31

*Annual Salary omitted for privacy reasons.

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



					Age and	l Service D	istribution	of Active M	embers					
					(Numbe	r of Active	s and Avera	age Annual	Salary)					
							(Continued)							
							PERS Plan							
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 25	739	581	216	96	74	41	0	0	0	0	0	0	0	1,747
	\$33,284	\$31,725	\$33,875	\$36,822	\$38,515	\$37,459	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,353
25-29	795	985	789	576	697	1,432	32	0	0	0	0	0	0	5,306
	\$36,602	\$37,798	\$41,695	\$43,768	\$45,961	\$47,901	\$49,626	\$0	\$0	\$0	\$0	\$0	\$0	\$42,717
30-34	621	856	736	596	934	3,772	1,286	24	0	0	0	0	0	8,825
	\$40,308	\$42,592	\$46,314	\$50,311	\$49,823	\$52,809	\$55,436	\$58,452	\$0	\$0	\$0	\$0	\$0	\$50,310
35-39	504	661	525	502	789	3,655	3,443	640	23	0	0	0	0	10,742
	\$41,692	\$45,019	\$48,434	\$51,081	\$52,259	\$56,001	\$59,116	\$59,288	\$59,038	\$0	\$0	\$0	\$0	\$54,980
40-44	483	686	560	427	771	3,759	4,164	2,419	866	14	0	0	0	14,149
	\$44,016	\$47,066	\$50,716	\$49,912	\$52,648	\$55,883	\$61,171	\$63,587	\$63,686	\$62,459	\$0	\$0	\$0	\$57,847
45-49	409	581	461	410	683	3,465	3,984	2,718	2,570	677	24	0	0	15,982
	\$45,093	\$45,716	\$49,330	\$48,026	\$52,320	\$55,604	\$60,540	\$64,125	\$65,598	\$63,924	\$58,265	\$0	\$0	\$59,103
50-54	383	544	490	433	684	3,315	4,125	3,038	3,456	2,222	894	9	0	19,593
	\$46,101	\$44,823	\$51,094	\$53,774	\$52,110	\$55,287	\$58,968	\$63,250	\$67,115	\$69,234	\$64,764	\$84,880	\$0	\$60,691
55-59	325	400	414	371	564	2,843	3,854	3,072	3,829	2,735	1,805	49	0	20,261
	\$49,153	\$45,144	\$50,451	\$52,558	\$50,684	\$54,593	\$59,276	\$62,232	\$65,517	\$69,642	\$74,217	\$67,807	\$0	\$62,014
60-64	168	205	220	202	329	1,857	2,524	2,319	2,917	2,049	1,302	45	0	14,137
	\$50,643	\$43,690	\$46,311	\$49,229	\$52,771	\$54,643	\$57,940	\$61,520	\$63,446	\$67,053	\$70,588	\$64,004	\$0	\$61,016
65-69	46	72	64	63	121	612	833	716	856	584	297	9	1	4,274
	\$51,301	\$43,654	\$43,269	\$45,762	\$46,703	\$54,828	\$57,745	\$59,166	\$61,733	\$66,768	\$69,176	\$67,664	*	\$59,421
70 & Over	19	21	27	23	32	167	189	109	136	86	47	5	0	861
	\$35,361	\$34,951	\$44,173	\$40,045	\$40,964	\$44,084	\$49,821	\$55,078	\$56,085	\$60,308	\$58,540	\$72,720	\$0	\$50,570
Total	4,492	5,592	4,502	3,699	5,678	24,918	24,434	15,055	14,653	8,367	4,369	117	1	115,877
	\$41,098	\$42,204	\$46,856	\$49,178	\$50,639	\$54,483	\$59,252	\$62,559	\$65,069	\$68,128	\$70,602	\$67,857	*	\$57,718
Average:	Age	48.4	Nha	mber of Pa	rticipants:	Vested	88.630		Males	55.784		arly Potiron	nent Eligible:	14,854
Average.	Service	12.5	Nu	IIIDEI UI FA	•	lot Vested	27.247		Females	60.093		,	nent Eligible:	4,656
	SELVICE	14.0			IN	ioi vesieu	21,241		i ciliales	00,093	INOI	mai Kelilell	ient Eligible.	4,000

*Annual Salary omitted for privacy reasons.

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



Age and Service Distribution of Active Members (Number of Actives and Average Annual Salary) (Continued) **PERS Plan 3 Attained Years of Service Attained Age** 10-14 20-24 25-29 30-34 35-39 40 & Over 4 5-9 15-19 **Total** 40 Under 25 520 388 149 51 21 0 0 0 0 0 0 0 1,169 \$31.613 \$29.227 \$33,434 \$32.586 \$36.056 \$37.242 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$31,349 450 367 0 0 25-29 426 653 315 675 0 0 0 2,890 \$36,240 \$35.162 \$40,034 \$41,802 \$43,855 \$46,970 \$57,597 \$0 \$0 \$0 \$0 \$0 \$0 \$40,696 30-34 273 481 292 0 0 357 472 1,718 118 1 0 0 0 3,712 \$38.129 \$40,960 \$44,425 \$45,872 \$49,934 \$52,850 \$0 \$0 \$0 \$0 \$0 \$57,650 \$48,645 2 35-39 220 307 265 204 336 1,532 401 108 0 0 0 0 3,375 \$39.348 \$41.908 \$43.549 \$51.272 \$50.082 \$54,738 \$60,674 \$64.495 \$70.630 \$0 \$0 \$0 \$0 \$52.043 0 40-44 155 275 212 165 275 1,302 502 396 167 0 0 0 3,449 \$42,080 \$46,299 \$52,038 \$0 \$38.696 \$49.139 \$56,351 \$61.767 \$66.154 \$67.664 \$0 \$0 \$0 \$55,575 45-49 151 242 197 150 232 1,084 386 422 548 113 0 0 3,527 \$39.176 \$42.794 \$47.197 \$48.522 \$50.571 \$56,106 \$65,221 \$68.310 \$71.495 \$73,565 \$66,335 \$0 \$0 \$58,697 50-54 113 184 160 158 231 1,042 382 432 697 455 115 0 0 3,969 \$41.068 \$41.997 \$45,728 \$45,283 \$49.194 \$54,771 \$61,570 \$67,357 \$68.899 \$72,725 \$66,860 \$0 \$0 \$59,636 55-59 92 108 126 101 182 352 351 592 455 270 0 810 5 3,444 \$48.027 \$50,232 \$51.301 \$73,377 \$40.575 \$40.161 \$56,344 \$59,591 \$61.564 \$70.098 \$72,125 \$70.082 \$0 \$61,401 76 90 209 0 60-64 51 74 66 500 201 330 246 117 1,964 \$44.329 \$40.708 \$48.866 \$47.603 \$50.023 \$54.579 \$59.035 \$60.704 \$63.599 \$66.438 \$75.742 \$88.179 \$0 \$58,599 0 65-69 8 29 28 22 29 166 49 38 50 39 14 0 472 \$52,808 \$32.092 \$38.184 \$57,303 \$61.132 \$62.567 \$61,293 \$56,192 \$60,482 \$64,013 \$68.604 \$0 \$0 \$56,173 70 & Over 10 12 13 38 14 3 5 4 0 0 107 \$94.782 \$32,479 \$33,776 \$41,519 \$45.230 \$53,790 \$57,421 \$86,391 \$53.511 \$83.678 \$0 \$0 \$51,012 519 **Total** 2,011 2,753 2,030 1,537 2.259 8,888 2,417 1,952 2,391 1,312 9 0 28,078 \$36,675 \$38,506 \$43,433 \$46,405 \$49,234 \$54,246 \$61,310 \$65,232 \$68,766 \$71,619 \$71,640 \$0 \$78,125 \$53,579 Average: 43.5 Number of Participants: 11,412 Males 13,151 Early Retirement Eligible: 3,210 Age Vested 8.7 16,666 14,927 Normal Retirement Eligible: 404 Service Not Vested **Females**

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

^{*}Annual Salary omitted for privacy reasons.

Age and Service Distribution of Active Members (Number of Actives and Average Annual Salary) (Continued) **TRS Plan 1 Attained Years of Service Attained Age** 2 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 0 0 0 0 0 0 0 0 0 0 Under 25 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 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 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 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 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 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 0 0 3 3 23 0 55-59 15 45 63 86 141 216 596 \$0 \$0 \$66,286 \$64.798 \$60,849 \$68.569 \$67,013 \$71,612 \$76,095 \$77,390 \$78,114 \$0 \$75,173 60-64 0 0 3 5 75 244 290 1,719 0 37 111 268 592 94 \$57,823 \$0 \$0 \$77,611 \$58,655 \$63,626 \$70,161 \$73,106 \$76,763 \$79,668 \$77,703 \$75,889 \$81,780 0 65-69 19 43 45 109 89 65 108 127 611 \$57.796 \$40.685 \$0 \$67.059 \$68.496 \$71,460 \$73.177 \$76.305 \$76,760 \$82.768 \$80.155 \$76.051 2 70 & Over 5 8 5 12 12 33 93 \$73,525 \$66,066 \$55,765 \$71,236 \$74,749 \$63,241 \$79,044 \$73,087 \$74,195 \$74,850 \$72,676 Total 3 5 11 76 145 209 423 448 508 928 254 3,019 \$76,507 \$78,508 \$52,000 \$53,546 \$66,198 \$70,787 \$59,992 \$59,701 \$66,161 \$69,498 \$73,000 \$78,343 \$80,067 \$75,681 2.989 710 62.3 Number of Participants: Males Early Retirement Eligible: 0 Average: Age Vested 29.3 2,309 Service Not Vested 30 **Females** Normal Retirement Eligible: 2,844

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

^{*}Annual Salary omitted for privacy reasons.

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Age and Service Distribution of Active Members (Number of Actives and Average Annual Salary) (Continued) TRS Plan 2 **Attained Years of Service Attained Age** 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 **Total** 22 3 12 104 0 0 0 0 0 Under 25 0 0 0 0 141 \$48,564 \$42,478 \$0 \$0 \$0 \$47,954 \$41,293 \$0 \$0 \$0 \$0 \$0 \$0 \$47,408 25-29 44 476 431 220 262 187 0 0 0 0 0 0 0 1,620 \$53.706 \$50,886 \$45.138 \$45.424 \$46,757 \$47,295 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$47,609 30-34 29 261 286 162 249 248 0 0 0 0 0 0 0 1,235 \$55.226 \$53.331 \$48.487 \$50.410 \$49.053 \$51.458 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$50.632 35-39 139 122 0 14 154 99 128 0 0 0 0 0 663 \$48,299 \$53,606 \$52.601 \$53,229 \$50,446 \$50,651 \$0 \$68,274 \$0 \$0 \$0 \$0 \$0 \$51,385 0 40-44 20 116 94 80 109 161 99 308 26 0 0 0 1,013 \$53.922 \$55.955 \$52.723 \$49.928 \$0 \$0 \$0 \$61,695 \$51.575 \$53.565 \$67.515 \$74.990 \$75.029 \$0 22 45-49 8 88 92 82 91 190 144 317 250 0 0 0 1,284 \$66.585 \$57,595 \$50.902 \$52.830 \$52.814 \$56.937 \$63,903 \$74,774 \$74,782 \$81,169 \$0 \$0 \$0 \$65,130 50-54 11 80 74 60 85 191 171 319 287 198 15 0 0 1,491 \$64.815 \$54.943 \$54.710 \$53.806 \$52.093 \$58.767 \$67,044 \$72,208 \$74.062 \$76,583 \$73,429 \$0 \$0 \$67,107 171 0 55-59 54 46 46 68 129 399 360 199 197 1,675 \$59.960 \$60.184 \$55.855 \$56,572 \$56.250 \$58,891 \$67,322 \$72,035 \$74,162 \$76,364 \$77,000 \$71.443 \$0 \$70,176 60-64 83 0 23 15 20 34 52 307 406 210 112 1,267 \$57,237 \$77,839 \$61,255 \$78.336 \$63,366 \$64.965 \$65,474 \$73,913 \$74,023 \$75,935 \$0 \$72,430 \$72,131 5 65-69 7 16 130 150 53 36 0 0 412 \$0 \$42.807 \$53.454 \$56.221 \$64.163 \$68.491 \$67.473 \$73.655 \$73.289 \$71.653 \$79.896 \$0 \$0 \$72.691 70 & Over 0 3 0 1 4 5 23 6 0 0 \$0 \$81,737 \$48,501 \$65,950 \$63,009 \$74,155 \$70,219 \$0 \$0 \$69,719 **Total** 147 1,343 1.222 778 1,034 1.288 688 1,792 1,502 688 364 3 0 10,849 \$66,338 \$76,863 \$55.866 \$53.013 \$48,539 \$50,557 \$50,507 \$54,593 \$73,204 \$74,107 \$75,450 \$68,590 \$0 \$61,648 45.7 Number of Participants: 5.431 Males 2.601 Early Retirement Eligible: 1.552 Average: Age Vested Service 11.0 Not Vested 5,418 **Females** 8,248 Normal Retirement Eligible: 435

^{*}Annual Salary omitted for privacy reasons.

					_		istribution (
					(Numbe		s and Avera	age Annual	Salary)					
							(Continued)							
Attained Ass							TRS Plan 3							
Attained Age	0		2	3			ned Years 10-14		20-24	25-29	30-34	25.20	40 & Over	Tota
Under 25	20	114	32	2	0	5-9	10-14	15-19 0	0	25-29 0	0	35-39	40 & Over 0	Tota
Officer 25	\$50,197	\$47,168	\$42,399	\$39,710	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$46,53
25-29	φου, 1 <i>91</i>	466	496	330	446	663	φ0 0	0	0	0	0	0	0	2,46
25-25	\$53,095	\$50,673	\$46,093	\$46,573	\$46,876	\$50.607	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$48,55
30-34	36	281	296	293	446	4,081	660	0	0	0	0	0	0	6,09
00 04	\$57,169	\$53,913	\$48,943	\$49,095	\$50,223	\$54,151	\$61,301	\$0	\$0	\$0	\$0	\$0	\$0	\$54,14
35-39	22	162	165	165	312	2.786	3,608	331	0	0	0	0	0	7,55
	\$61,322	\$56,101	\$51,261	\$51,904	\$52,430	\$57,616	\$66.182	\$77,168	\$0	\$0	\$0	\$0	\$0	\$62,06
40-44	22	120	125	115	221	1,954	2,862	2,329	328	0	0	0	0	8,07
	\$59,569	\$58,888	\$52,129	\$50,044	\$52,872	\$58,427	\$67,998	\$76,605	\$77,979	\$0	\$0	\$0	\$0	\$67,49
45-49	21	104	89	94	140	1,328	1,576	1,570	1,803	230	0	0	0	6,95
	\$62,210	\$53,495	\$49,206	\$51,577	\$52,215	\$58,869	\$67,821	\$74,970	\$78,223	\$79,653	\$0	\$0	\$0	\$69,81
50-54	14	58	66	61	86	1,166	1,519	1,194	1,573	1,523	208	0	0	7,46
	\$63,636	\$58,171	\$51,236	\$52,797	\$52,542	\$58,295	\$67,903	\$74,453	\$76,460	\$79,200	\$80,743	\$0	\$0	\$71,38
55-59	10	33	33	40	56	900	1,365	1,116	1,378	1,115	1,275	6	0	7,32
	\$72,341	\$65,255	\$57,517	\$53,687	\$54,812	\$58,878	\$66,484	\$74,121	\$75,642	\$77,528	\$78,996	\$81,938	\$0	\$72,10
60-64	3	11	10	14	31	446	892	823	1,009	647	524	4	0	4,41
	\$71,424	\$57,633	\$54,196	\$53,152	\$60,443	\$61,720	\$68,856	\$73,172	\$75,053	\$76,387	\$78,606	\$72,708	\$0	\$72,45
65-69	0	5	5	4	3	103	188	143	234	138	88	0	0	91
	\$0	\$59,307	\$65,228	\$63,606	\$96,029	\$63,199	\$69,106	\$72,494	\$74,285	\$78,433	\$75,835	\$0	\$0	\$72,35
70 & Over	0	0	0	1	0	11	21	10	10	5	6	0	0	6
	\$0	\$0	\$0	*	\$0	\$60,911	\$69,198	\$68,852	\$67,278	\$77,841	\$76,540	\$0	\$0	\$68,25
Total	209	1,354	1,317	1,119	1,741	13,438	12,691	7,516	6,335	3,658	2,101	10	0	51,48
	\$57,873	\$53,410	\$48,753	\$49,511	\$50,781	\$56,785	\$67,016	\$75,113	\$76,544	\$78,191	\$78,932	\$78,246	\$0	\$66,19
Average:	Age Service	45.7 13.3	Nu	mber of Pa	•	Vested lot Vested	34,558 16,931		Males Females	14,924 36,565		•	ment Eligible:	10,44 95

^{*}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	age Annual	Salary)					
							(Continued)							
							SERS Plan							
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	39	106	43	19	17	8	0	0	0	0	0	0	0	232
	\$19,000	\$19,797	\$24,205	\$25,006	\$23,935	\$20,330	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,228
25-29	62	204	151	97	104	52	1	0	0	0	0	0	0	671
	\$20,430	\$22,280	\$23,997	\$25,441	\$28,233	\$31,828	*	\$0	\$0	\$0	\$0	\$0	\$0	\$24,635
30-34	77	172	137	88	101	119	78	1	0	0	0	0	0	773
	\$20,323	\$21,933	\$28,521	\$26,242	\$31,155	\$32,041	\$38,630	*	\$0	\$0	\$0	\$0	\$0	\$27,929
35-39	77	244	181	125	128	167	178	77	3	0	0	0	0	1,180
	\$17,558	\$21,480	\$24,771	\$24,484	\$25,532	\$30,228	\$34,999	\$34,548	\$43,872	\$0	\$0	\$0	\$0	\$26,674
40-44	120	305	250	217	226	294	365	187	51	5	0	0	0	2,020
	\$18,053	\$19,557	\$23,199	\$23,060	\$24,514	\$28,183	\$35,206	\$36,387	\$44,104	\$45,961	\$0	\$0	\$0	\$27,175
45-49	117	284	244	211	222	376	752	397	179	37	1	0	0	2,820
	\$18,795	\$20,602	\$23,287	\$23,462	\$25,483	\$27,450	\$30,117	\$33,609	\$39,484	\$40,407	*	\$0	\$0	\$28,099
50-54	103	265	236	194	209	427	1,226	927	414	116	47	0	0	4,164
	\$16,081	\$21,132	\$23,090	\$24,225	\$25,569	\$26,767	\$28,364	\$31,713	\$34,739	\$43,435	\$53,105	\$0	\$0	\$28,882
55-59	57	222	149	147	177	366	1,125	1,181	776	198	96	3	0	4,497
	\$19,086	\$20,519	\$25,524	\$23,478	\$25,610	\$25,288	\$28,410	\$29,565	\$31,634	\$41,547	\$47,352	\$59,397	\$0	\$29,144
60-64	46	107	95	90	106	201	611	729	670	301	97	5	0	3,058
	\$19,605	\$22,336	\$22,515	\$23,735	\$24,873	\$25,485	\$29,980	\$29,774	\$31,460	\$37,314	\$42,756	\$44,968	\$0	\$30,095
65-69	18	49	32	42	52	80	184	220	228	141	69	1	0	1,116
	\$14,444	\$17,119	\$24,367	\$19,022	\$26,494	\$27,184	\$27,705	\$31,757	\$31,862	\$37,941	\$41,209	*	\$0	\$30,294
70 & Over	6	14	12	13	7	26	63	64	45	39	26	0	0	315
	\$15,167	\$16,547	\$16,309	\$17,286	\$20,151	\$17,756	\$26,068	\$28,811	\$27,901	\$29,283	\$35,783	\$0	\$0	\$25,905
Total	722	1,972	1,530	1,243	1,349	2,116	4,583	3,783	2,366	837	336	9	0	20,846
· Ottai	\$18,403	\$20,836	\$24,120	\$23,796	\$25,936	\$27,282	\$29,799	\$31,118	\$32,957	\$39,083	\$44,607	\$48,807	\$0	\$28,494
Average:	Age	51.3	Nu	mber of Pa	rticipants:	Vested	13,209		Males	4,835	F	arly Retireme	ent Fligible	2,165
, wordge.	Service	11.1	140		•	ot Vested	7,637		Females	16,011		mal Retirem	•	1,189

^{*}Annual Salary omitted for privacy reasons.

Normal Retirement Eligible:

104

1,434

Age and Service Distribution of Active Members (Number of Actives and Average Annual Salary) (Continued) **SERS Plan 3 Attained Age Attained Years of Service** 5-9 10-14 20-24 25-29 30-34 35-39 40 & Over 0 15-19 **Total** 47 125 54 25 19 12 0 Under 25 0 0 0 0 0 0 282 \$0 \$0 \$18,899 \$18,546 \$22,843 \$20,535 \$24,130 \$22,864 \$0 \$0 \$0 \$0 \$0 \$20,164 25-29 64 233 169 102 97 272 13 0 0 0 0 0 0 950 \$20.367 \$21,944 \$26,338 \$25,461 \$29.536 \$30,516 \$38,178 \$0 \$0 \$0 \$0 \$0 \$0 \$26,449 30-34 64 186 144 103 153 582 147 2 0 0 0 0 0 1,381 \$32,004 \$19.275 \$23.044 \$27,164 \$24.964 \$27.728 \$35.967 \$35.085 \$0 \$0 \$0 \$0 \$0 \$29,130 204 180 162 35-39 68 128 770 265 39 0 0 0 0 1,818 \$23,345 \$18.040 \$20,516 \$25,105 \$25,765 \$29,087 \$37,982 \$57,092 \$0 \$0 \$0 \$0 \$28,202 \$41,093 40-44 103 298 263 223 261 1,429 521 163 62 5 0 0 3,328 \$19.701 \$23,239 \$21.070 \$26.929 \$0 \$17.229 \$21.696 \$33.377 \$43.901 \$46.913 \$49.201 \$0 \$0 \$27,134 45-49 74 253 241 231 324 2,033 1,095 342 198 54 0 0 4,849 \$15.987 \$19.869 \$21.651 \$20.059 \$23,868 \$25,421 \$31,164 \$36,093 \$45.009 \$45,003 \$54,659 \$0 \$0 \$27,532 50-54 68 216 218 197 279 2,300 1,511 837 544 184 84 2 0 6,440 \$17.612 \$19.568 \$21,104 \$20.984 \$23,458 \$26,347 \$29,177 \$32,696 \$40,202 \$50,609 \$51,735 \$47.391 \$0 \$29,251 0 55-59 43 124 114 113 172 1,553 1,244 1,105 1,069 350 166 6,053 \$18.645 \$20.131 \$21,976 \$22,099 \$21.638 \$26,836 \$29,040 \$30,237 \$33,668 \$43,204 \$49,993 \$0 \$0 \$30,175 660 0 60-64 20 43 72 62 91 889 607 952 457 134 3,989 \$22.679 \$18,957 \$14.506 \$22.602 \$22.004 \$32,699 \$38,108 \$43,063 \$41.983 \$0 \$27,163 \$28,831 \$30,662 \$30,649 65-69 14 21 21 37 376 213 154 249 166 71 0 1,332 \$20,271 \$13.317 \$15.183 \$19.365 \$17.678 \$25.309 \$29.983 \$30.625 \$32,434 \$32.659 \$38.331 \$0 \$29.095 70 & Over 10 13 6 126 60 20 23 13 0 0 290 \$31,513 \$17.583 \$19,590 \$16,272 \$18,314 \$21,259 \$25,147 \$26,114 \$24,738 \$30,801 \$0 \$0 \$22,985 **Total** 564 1,706 1,489 1,211 1.602 10.342 5,729 3,269 3.099 1.229 467 5 0 30.712 \$26,917 \$40,966 \$46,268 \$17.903 \$20,448 \$23,402 \$21,699 \$23,897 \$30,459 \$32,365 \$35,357 \$47,047 \$0 \$28,810 50.4 Number of Participants: 20.139 Males 6.769 Early Retirement Eligible: 6.781 Average: Age Vested

*Annual Salary omitted for privacy reasons.

Service

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

10.5

10,573

Females

23,943

Not Vested

Normal Retirement Eligible:

8

Age and Service Distribution of Active Members (Number of Actives and Average Annual Salary) (Continued) **PSERS Plan 2 Attained Years of Service Attained Age** 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 **Total** 39 18 28 5 0 0 0 Under 25 4 0 0 0 0 101 \$42,816 \$47,538 \$49,497 \$50,899 \$0 \$0 \$0 \$39,348 \$51,248 \$0 \$0 \$0 \$0 \$43,921 25-29 59 93 53 56 166 197 0 0 0 0 0 0 0 624 \$40.980 \$43.322 \$45,745 \$53,633 \$52,703 \$52,117 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$49,504 0 30-34 38 64 55 157 360 0 0 0 0 0 0 714 \$39.330 \$45.320 \$49.584 \$51.951 \$52.995 \$54.903 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$52.271 35-39 39 0 0 0 23 35 115 366 0 0 0 0 626 \$49,491 \$58,652 \$0 \$0 \$0 \$43,011 \$45,594 \$53,443 \$52,073 \$0 \$0 \$0 \$0 \$55,144 0 0 0 40-44 12 37 107 501 0 0 0 0 723 \$43.486 \$56.087 \$0 \$0 \$0 \$0 \$0 \$41.834 \$53.659 \$54.716 \$62.316 \$0 \$0 \$59,376 0 45-49 12 27 25 25 75 457 0 0 0 0 0 0 621 \$45,922 \$54,577 \$53.632 \$38.778 \$52.930 \$62,727 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$59,656 50-54 3 21 14 20 58 376 0 0 0 0 0 0 0 492 \$58.222 \$51.915 \$45,467 \$52.022 \$55.045 \$64.012 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$61,388 6 0 0 0 0 0 0 55-59 13 19 231 0 281 \$40.089 \$42.604 \$47.390 \$58.884 \$51.785 \$62,647 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$60,418 60-64 5 0 0 0 0 0 0 0 0 6 10 35 57 \$0 \$61.470 \$47.100 \$51.400 \$55,845 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$54,883 0 65-69 0 0 8 0 0 0 0 0 0 10 \$0 \$0 \$0 \$51.182 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$50,179 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 Total 178 317 241 263 716 2,535 0 0 0 0 0 4,250 0 \$0 \$0 \$0 \$0 \$0 \$40.818 \$44,770 \$50,028 \$53,105 \$53,101 \$60,156 \$0 \$0 \$55,999 3,202 176 40.1 Number of Participants: 2.083 Males Early Retirement Eligible: Average: Age Vested

Service

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

4.3

2,167

Females

1,048

Not Vested

^{*}Annual Salary omitted for privacy reasons.

Age and Service Distribution of Active Law Enforcement Officers (Number of Actives and Average Annual Salary) (Continued) **LEOFF Plan 1 Attained Age Attained Years of Service** 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over **Total** 0 0 0 0 0 0 0 0 0 0 0 0 Under 25 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 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 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 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 45-49 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 0 0 0 0 0 0 0 2 0 25 55-59 0 0 19 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$63,988 \$84.586 \$89,465 \$0 \$86,646 60-64 0 0 0 0 0 0 0 0 0 2 2 6 32 42 \$0 \$0 \$0 \$90,533 \$93,526 \$0 \$0 \$0 \$0 \$0 \$0 \$81,076 \$103,470 \$94,211 0 0 0 0 0 0 0 0 65-69 0 0 5 12 17 \$101,964 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$107.734 \$99.560 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 Total 0 0 0 0 0 0 0 0 4 56 19 85 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$93,417 \$101,469 \$0 \$72.532 \$86,569 \$93,751 83 N/A Average: 61.4 Number of Participants: 85 Males Early Retirement Eligible: Age Vested 37.0 2 Normal Retirement Eligible: Service Not Vested 0 **Females** 85

^{*}Annual Salary omitted for privacy reasons.

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Age and Service Distribution of Active Fire Fighters (Number of Actives and Average Annual Salary) (Continued) **LEOFF Plan 1 Attained Age Attained Years of Service** 20-24 2 5-9 10-14 15-19 25-29 30-34 35-39 40 & Over Total 0 0 0 0 0 0 0 0 0 0 Under 25 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 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 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 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 45-49 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 1 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 0 0 0 0 0 0 0 0 0 0 2 32 0 55-59 \$121,367 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$114,832 \$0 \$115,216 60-64 0 0 0 0 0 0 0 0 0 0 41 13 \$0 \$0 \$0 \$0 \$97,415 \$0 \$0 \$0 \$0 \$0 \$0 \$121,353 \$103,084 0 0 0 0 0 0 0 0 0 0 6 65-69 3 \$88.192 \$117.949 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$99.836 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 **Total** 0 0 0 0 0 0 0 0 0 0 4 80 17 101 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$114,024 \$103,844 \$118,912 \$106,783 Number of Participants: 101 100 N/A Average: 60.5 Vested Males Early Retirement Eligible: Age 37.2 Normal Retirement Eligible: Service Not Vested 0 **Females** 1 101

^{*}Annual Salary omitted for privacy reasons.

Age and Service Distribution of Active Law Enforcement Officers (Number of Actives and Average Annual Salary) (Continued) **LEOFF Plan 2 Attained Age Attained Years of Service** 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over **Total** 7 13 17 0 0 0 0 0 37 Under 25 0 0 0 0 0 \$59.837 \$59,122 \$0 \$0 \$0 \$0 \$59.207 \$0 \$0 \$0 \$0 \$0 \$0 \$59,480 25-29 36 60 64 77 143 176 0 0 0 0 0 0 0 556 \$56.214 \$57,554 \$67.877 \$73.092 \$77,310 \$80.754 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$73,232 30-34 29 48 61 76 144 647 96 1 0 0 0 0 0 1,102 \$78,754 \$60.320 \$63.296 \$72,794 \$75.326 \$84.594 \$87.086 \$0 \$0 \$0 \$0 \$0 \$81,198 35-39 84 0 12 29 27 42 511 616 122 0 0 0 0 1,443 \$71,028 \$78,752 \$0 \$60.171 \$63,708 \$78,608 \$82,466 \$90,376 \$93,843 \$0 \$0 \$0 \$0 \$85,696 40-44 0 24 19 26 53 343 580 682 139 0 0 0 1,875 \$58.249 \$69.062 \$78.829 \$82.282 \$88.898 \$0 \$0 \$0 \$68.736 \$74.591 \$94.624 \$103.530 \$0 \$89,705 45-49 10 18 144 303 434 639 114 0 0 0 1,680 \$56.134 \$71.920 \$73.531 \$71.686 \$73.783 \$81.482 \$91,216 \$95.564 \$100.290 \$112.235 \$0 \$0 \$0 \$95,836 50-54 3 55 115 171 416 361 99 0 0 1,243 \$63.295 \$72.142 \$99.771 \$89,401 \$91.306 \$79.934 \$87.702 \$91,376 \$99.578 \$107.046 \$110.960 \$0 \$0 \$99,291 6 3 27 42 0 55-59 82 137 178 235 10 726 \$64.645 \$107,188 \$77,575 \$76,774 \$81,532 \$90.761 \$95.749 \$103.160 \$113.455 \$108.524 \$0 \$101,103 0 13 55 89 0 60-64 15 24 51 255 \$59,213 \$84.156 \$0 \$73,317 \$89,813 \$89.175 \$90.628 \$102,719 \$104,238 \$0 \$96,915 0 3 0 65-69 0 0 3 6 0 30 1 \$0 \$0 \$0 \$0 \$68.053 \$117.142 \$79.165 \$87.601 \$99.026 \$115.083 \$0 \$0 \$94,671 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 **Total** 109 194 201 233 458 1,919 1,771 1,520 1.392 712 428 11 0 8,948 \$89,528 \$58.540 \$62.662 \$71,666 \$76,058 \$77,708 \$82,756 \$94,129 \$99,517 \$106,505 \$110,980 \$108,424 \$0 \$90,495 7.521 567 43.1 Number of Participants: Males 8.102 Early Retirement Eligible: Average: Age Vested Service 14.1 Not Vested 1,427 **Females** 846 Normal Retirement Eligible: 1,392

^{*}Annual Salary omitted for privacy reasons.

Age and Service Distribution of Active Fire Fighters (Number of Actives and Average Annual Salary) (Continued) **LEOFF Plan 2 Attained Age Attained Years of Service** 2 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 **Total** 9 17 7 8 0 0 0 48 Under 25 0 0 0 0 0 \$55.005 \$68,023 \$0 \$0 \$44,708 \$73.595 \$82,739 \$0 \$0 \$0 \$0 \$0 \$0 \$62,306 25-29 45 71 54 80 112 144 0 0 0 0 0 0 0 506 \$53.839 \$59.846 \$68.324 \$72.968 \$81,409 \$85,142 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$74,263 0 30-34 23 55 43 64 127 511 137 0 0 0 0 960 \$67,027 \$53.903 \$58.950 \$74.050 \$82.265 \$88.096 \$92.551 \$0 \$0 \$0 \$0 \$0 \$0 \$83.591 35-39 63 399 0 25 27 56 526 96 0 0 0 1,204 11 \$73.088 \$75,979 \$50.418 \$62,445 \$84,003 \$89,021 \$95,930 \$100,892 \$0 \$0 \$0 \$0 \$90,864 0 40-44 14 8 24 39 278 514 530 173 0 0 0 1,584 \$51.832 \$60.867 \$75.016 \$73.635 \$81.208 \$89.083 \$0 \$0 \$0 \$96.692 \$95.360 \$102.259 \$107.451 \$0 0 45-49 11 10 11 96 229 363 469 135 2 0 1,334 \$65.754 \$76.628 \$78.747 \$84,430 \$90.025 \$94.159 \$102.819 \$106.909 \$115.549 \$125.897 \$0 \$0 \$102,344 50-54 4 2 36 105 208 349 319 170 1 0 1,201 \$95.748 \$111.022 \$62.944 \$87.908 \$94.635 \$98.169 \$107.795 \$111.752 \$119.329 \$0 \$106,985 0 0 55-59 12 51 72 177 165 242 727 \$0 \$142.506 \$134.577 \$89.843 \$90.527 \$94.203 \$98.003 \$103.324 \$114.188 \$119.555 \$0 \$109,955 60-64 0 0 1 1 12 16 17 34 61 189 \$84,783 \$110.027 \$101,008 \$98.756 \$109,411 \$0 \$0 \$105,979 \$112,487 65-69 0 0 0 0 0 0 0 19 \$0 \$0 \$0 \$0 \$0 \$0 \$99,474 \$135.399 \$104.879 \$112,197 \$97.572 \$0 \$0 \$105.417 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 **Total** 95 200 152 246 365 1,488 1.582 1.288 1.206 666 482 2 0 7,772 \$52.878 \$61,414 \$69.902 \$75,553 \$82,134 \$88,356 \$95.114 \$101,422 \$106,776 \$113,013 \$118,288 \$118,288 \$0 \$96,547 43.2 7,312 537 **Number of Participants:** Vested 6.566 Males Early Retirement Eligible: Average: Age Service 14.6 Not Vested 1,206 **Females** 460 Normal Retirement Eligible: 1,340

^{*}Annual Salary omitted for privacy reasons.

					Age and	Service D	istribution	of Active M	embers					
					(Number	of Actives	s and Avera	ige 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		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	11	0	0	0	0	0	0	11
	\$0	\$0	\$0	\$0	\$0	\$0	\$74,336	\$0	\$0	\$0	\$0	\$0	\$0	\$74,336
35-39	0	0	0	0	0	0	85	27	0	0	0	0	0	112
	\$0	\$0	\$0	\$0	\$0	\$0	\$75,652	\$77,382	\$0	\$0	\$0	\$0	\$0	\$76,069
40-44	0	0	0	0	0	0	57	91	57	0	0	0	0	205
	\$0	\$0	\$0	\$0	\$0	\$0	\$74,632	\$80,689	\$84,958	\$0	\$0	\$0	\$0	\$80,192
45-49	0	0	0	0	0	1	31	42	124	34	0	0	0	232
	\$0	\$0	\$0	\$0	\$0	*	\$73,250	\$78,276	\$84,510	\$89,775	\$0	\$0	\$0	\$82,543
50-54	0	0	0	0	0	0	15	10	39	38	5	0	0	107
	\$0	\$0	\$0	\$0	\$0	\$0	\$72,781	\$76,600	\$79,695	\$83,839	\$94,507	\$0	\$0	\$80,600
55-59	0	0	0	0	0	0	4	4	4	7	10	1	0	30
	\$0	\$0	\$0	\$0	\$0	\$0	\$71,289	\$76,376	\$71,631	\$83,038	\$87,843	*	\$0	\$81,461
60-64	0	0	0	0	0	0	2	3	3	2	2	1	1	14
	\$0	\$0	\$0	\$0	\$0	\$0	\$75,781	\$81,693	\$70,665	\$79,735	\$77,181	*	*	\$77,335
65-69	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	*
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	1	206	177	227	81	17	2	1	712
Total	\$0	\$0	\$0	\$0	\$0	*	\$74,616	\$79,301	\$83,386	\$86,160	\$88,548	\$96,547	*	\$80,263
	φυ	Ψ	φυ	Ψυ	φυ		φ14,010	φ <i>ι</i> 9,30 Ι	φ03,30 0	φου, 100	φ00, 04 0	φ 30,34 7		φου,203
Average:	Age	45.2	Numl	ber of Part	ticipants:	Vested	712		Males	653	Е	Early Retiren	nent Eligible:	N/A
	Service	18.5			. N	ot Vested	0		Females	59	Nor	rmal Retiren	nent Eligible:	127

^{*}Annual Salary omitted for privacy reasons.

Early Retirement Eligible:

Normal Retirement Eligible:

328

26

Males

Females

N/A

1

Age and Service Distribution of Active Members (Number of Actives and Average Annual Salary) (Continued) **WSPRS Plan 2** Attained Age **Attained Years of Service** 10-14 20-24 25-29 30-34 35-39 40 & Over 4 5-9 15-19 0 **Total** 2 0 10 Under 25 3 1 0 0 0 0 0 0 0 0 16 \$0 \$49.841 \$47.128 \$55.094 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$49,536 25-29 6 18 36 0 0 0 0 0 0 13 24 0 106 \$50,922 \$53,339 \$44,703 \$57,214 \$60,487 \$69,732 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$59,856 30-34 15 0 0 0 0 0 0 4 11 74 114 \$44,511 \$50,286 \$56,644 \$62,453 \$70,346 \$76,828 \$0 \$0 \$0 \$0 \$0 \$0 \$68,298 0 0 0 0 35-39 0 2 6 44 20 0 0 77 \$0 \$44.668 \$50.155 \$62.743 \$71.056 \$75.704 \$0 \$0 \$0 \$0 \$0 \$0 \$69.579 0 0 0 0 0 0 0 40-44 0 0 3 11 11 27 \$67,696 \$0 \$0 \$0 \$0 \$51,036 \$0 \$0 \$71,096 \$73,601 \$0 \$0 \$0 \$70,253 45-49 0 0 5 0 0 0 0 0 0 \$0 \$0 \$67.719 \$0 \$0 \$0 \$0 \$0 \$0 \$64,407 0 0 0 0 0 0 50-54 0 0 2 0 0 \$0 \$0 \$0 \$67,979 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$62,023 55-59 0 0 0 0 0 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 0 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 65-69 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 20 47 47 **Total** 37 24 172 0 0 0 0 0 0 354 \$53,469 \$46,538 \$49,921 \$56,662 \$61,907 \$70,343 \$75,486 \$0 \$0 \$0 \$0 \$0 \$0 \$65,165

Age Service

Average:

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

Number of Participants:

Vested

Not Vested

32.5

5.5

195

159

^{*}Annual Salary omitted for privacy reasons.

Age/Years Retired Distribution

							tribution of Members an							
				(IVUIIIDE	i di Servic		ERS Plan 1		Monding De	ilelit)				
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 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	4	6	6	6	10	27	0	0	0	0	0	0	0	59
	\$3,445	\$3,545	\$3,531	\$4,317	\$3,341	\$2,986	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,325
55-59	39	172	133	167	168	834	38	0	0	0	0	0	0	1,551
	\$3,349	\$3,349	\$3,239	\$3,386	\$3,111	\$3,011	\$2,681	\$0	\$0	\$0	\$0	\$0	\$0	\$3,119
60-64	180	670	547	445	453	2,752	938	34	5	0	0	0	0	6,024
	\$2,534	\$2,636	\$2,423	\$2,624	\$2,605	\$2,935	\$2,792	\$2,222	\$1,904	\$0	\$0	\$0	\$0	\$2,768
65-69	116	550	525	677	543	3,440	3,051	674	125	0	0	0	0	9,701
	\$2,442	\$2,494	\$2,343	\$2,332	\$2,129	\$2,222	\$2,562	\$2,394	\$2,086	\$0	\$0	\$0	\$0	\$2,366
70-74	12	71	90	121	147	2,217	3,356	1,421	628	9	6	0	0	8,078
	\$2,258	\$2,464	\$2,850	\$2,682	\$2,420	\$1,969	\$1,904	\$2,298	\$2,039	\$1,836	\$1,534	\$0	\$0	\$2,038
75-79	4	32	29	19	27	334	2,016	2,890	1,249	136	87	0	0	6,823
	\$3,562	\$2,482	\$2,003	\$1,978	\$1,984	\$2,106	\$1,726	\$1,593	\$1,791	\$2,206	\$1,776	\$0	\$0	\$1,718
80-84	1	5	5	8	4	66	294	2,104	2,558	351	237	3	0	5,636
	*	\$2,070	\$2,331	\$2,391	\$3,098	\$2,056	\$1,874	\$1,530	\$1,283	\$2,126	\$1,856	\$1,438	\$0	\$1,497
85-89	0	0	2	1	0	16	54	269	1,557	1,863	695	66	0	4,523
	\$0	\$0	\$981	*	\$0	\$1,743	\$1,914	\$1,646	\$1,187	\$1,017	\$1,435	\$1,554	\$0	\$1,198
90-94	0	1	0	0	1	7	17	38	161	947	1,116	93	5	2,386
	\$0	*	\$0	\$0	*	\$2,783	\$1,834	\$1,931	\$1,293	\$1,004	\$907	\$1,667	\$1,746	\$1,034
95 & Over	0	0	0	0	0	0	1	5	4	54	363	284	30	741
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$1,239	\$1,110	\$994	\$850	\$848	\$898	\$870
Total	356	1,507	1,337	1,444	1,353	9,693	9,765	7,435	6,287	3,360	2,504	446	35	45,522
	\$2,611	\$2,658	\$2,495	\$2,577	\$2,453	\$2,431	\$2,160	\$1,789	\$1,452	\$1,179	\$1,167	\$1,127	\$1,019	\$1,973

74.0 Average: Age Years Retired 14.2

20,978 Males Females 24,544

^{*}Monthly benefit omitted for privacy reasons.

PERS Plan 2

							ERS Plan 2							
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	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50-54	0	0	2	0	0	0	0	0	0	0	0	0	0	2
	\$0	\$0	\$109	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$109
55-59	83	180	85	43	17	1	0	0	0	0	0	0	0	409
	\$2,172	\$2,225	\$2,220	\$1,717	\$1,117	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,109
60-64	250	646	383	171	107	173	0	0	0	0	0	0	0	1,730
	\$2,350	\$2,288	\$2,177	\$1,927	\$1,561	\$822	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,045
65-69	833	2,225	1,805	1,579	1,214	680	84	0	0	0	0	0	0	8,420
	\$1,460	\$1,497	\$1,459	\$1,408	\$1,288	\$1,341	\$689	\$0	\$0	\$0	\$0	\$0	\$0	\$1,418
70-74	54	215	291	285	411	4,959	309	5	0	0	0	0	0	6,529
	\$1,571	\$1,534	\$1,495	\$1,366	\$1,512	\$1,105	\$1,053	\$334	\$0	\$0	\$0	\$0	\$0	\$1,174
75-79	12	41	47	55	59	721	3,080	16	1	0	0	0	0	4,032
	\$1,414	\$1,418	\$1,198	\$1,349	\$1,071	\$1,177	\$897	\$511	*	\$0	\$0	\$0	\$0	\$965
80-84	1	11	10	11	10	112	452	1,467	7	0	0	0	0	2,081
	*	\$1,441	\$1,156	\$1,165	\$433	\$1,042	\$855	\$727	\$404	\$0	\$0	\$0	\$0	\$778
85-89	0	3	1	3	3	32	78	205	417	0	0	0	0	742
	\$0	\$762	*	\$417	\$323	\$767	\$699	\$741	\$583	\$0	\$0	\$0	\$0	\$646
90-94	0	0	0	0	1	3	12	19	47	72	1	0	0	155
	\$0	\$0	\$0	\$0	*	\$792	\$672	\$800	\$613	\$390	*	\$0	\$0	\$535
95 & Over	0	0	0	0	0	0	2	3	5	3	0	0	0	13
	\$0	\$0	\$0	\$0	\$0	\$0	\$386	\$342	\$684	\$486	\$0	\$0	\$0	\$513
Total	1,233	3,321	2,624	2,147	1,822	6,681	4,017	1,715	477	75	1	0	0	24,113
	\$1,693	\$1,691	\$1,585	\$1,446	\$1,339	\$1,126	\$895	\$726	\$583	\$394	*	\$0	\$0	\$1,247

Average: Age 71.5 Years Retired 6.5 Males 10,851 Females 13,262

^{*}Monthly benefit omitted for privacy reasons.

726

Age and Years Retired Distribution of Service Retired Members (Number of Service Retired Members and Average Monthly Benefit) (Continued) PERS Plan 3 Attained Age **Attained Years Retired** 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 5-9 Total 0 0 0 0 0 0 0 Under 50 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 55-59 13 28 16 17 6 0 0 0 0 0 0 0 0 80 \$0 \$1,002 \$820 \$621 \$467 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$649 \$747 95 0 0 0 0 0 0 380 60-64 39 117 68 41 20 0 \$1.097 \$980 \$901 \$829 \$693 \$343 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$787 65-69 0 0 0 0 0 810 74 171 125 128 76 231 5 0 \$772 \$0 \$812 \$875 \$685 \$775 \$507 \$286 \$0 \$0 \$0 \$0 \$0 \$704 70-74 2 9 5 14 14 221 5 0 0 0 0 0 0 270 \$187 \$978 \$487 \$524 \$497 \$659 \$479 \$0 \$0 \$0 \$0 \$0 \$0 \$644 0 0 0 0 0 75-79 3 0 0 0 18 0 0 22 \$490 \$0 \$0 \$0 \$764 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$700 80-84 0 0 0 0 0 0 0 0 0 0 0 1 4 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$568 \$0 \$0 \$0 \$481 0 0 0 0 0 2 0 0 0 0 0 0 0 85-89 \$0 \$0 \$0 \$0 \$0 \$235 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$235 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 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 \$0 200 116 10 **Total** 131 326 215 571 0 0 0 0 0 0 1,569 \$876 \$876 \$852 \$700 \$712 \$546 \$382 \$0 \$0 \$0 \$0 \$0 \$0 \$715

Average: Age 66.3 Males Years Retired 3.7 Females

Defined benefit portion only.

^{*}Monthly benefit omitted for privacy reasons.

							TRS Plan 1							
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	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	52	56	89	100	267	1	0	0	0	0	0	0	568
	\$2,652	\$3,235	\$3,474	\$3,259	\$3,127	\$3,110	*	\$0	\$0	\$0	\$0	\$0	\$0	\$3,180
60-64	20	490	474	360	435	2,518	607	0	0	0	0	0	0	4,904
	\$2,135	\$2,906	\$2,928	\$2,495	\$2,505	\$2,765	\$2,493	\$0	\$0	\$0	\$0	\$0	\$0	\$2,716
65-69	8	255	342	273	339	3,123	3,639	521	98	0	0	0	0	8,598
	\$2,942	\$3,070	\$3,104	\$2,769	\$2,662	\$2,083	\$2,218	\$2,111	\$1,738	\$0	\$0	\$0	\$0	\$2,253
70-74	0	24	39	37	83	881	2,693	1,921	564	0	0	0	0	6,242
	\$0	\$3,088	\$2,812	\$3,016	\$2,527	\$2,436	\$1,811	\$2,136	\$2,021	\$0	\$0	\$0	\$0	\$2,046
75-79	0	2	8	4	9	109	750	2,140	1,590	94	55	0	0	4,761
	\$0	\$2,711	\$3,399	\$3,507	\$3,016	\$2,427	\$2,059	\$1,841	\$1,997	\$1,957	\$1,554	\$0	\$0	\$1,946
80-84	0	1	0	2	1	17	99	782	1,816	730	312	0	0	3,760
	\$0	*	\$0	\$5,109	*	\$2,529	\$2,007	\$2,056	\$1,618	\$1,825	\$1,722	\$0	\$0	\$1,776
85-89	0	1	0	0	0	2	9	81	518	917	714	15	0	2,257
	\$0	*	\$0	\$0	\$0	\$1,502	\$2,433	\$1,901	\$1,616	\$1,295	\$1,587	\$1,547	\$0	\$1,491
90-94	0	0	0	0	0	1	0	9	49	316	644	129	0	1,148
	\$0	\$0	\$0	\$0	\$0	*	\$0	\$2,050	\$1,569	\$1,415	\$1,251	\$1,559	\$0	\$1,351
95 & Over	0	0	0	0	0	0	0	0	2	27	143	235	44	451
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,387	\$1,337	\$1,348	\$1,316	\$1,201	\$1,321
Total	31	825	919	765	967	6,918	7,798	5,454	4,637	2,084	1,868	379	44	32,689
	\$2,393	\$2,986	\$3,026	\$2,719	\$2,634	\$2,422	\$2,081	\$2,003	\$1,799	\$1,529	\$1,474	\$1,408	\$1,201	\$2,102

 Average:
 Age
 72.9
 Males
 13,985

 Years Retired
 14.5
 Females
 18,704

*Monthly benefit omitted for privacy reasons.

TRS Plan 2 Attained Years Retired Attained Age 2 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 **Total** 0 0 0 0 0 0 0 0 0 **Under 50** 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 7 7 0 0 0 0 0 32 55-59 4 13 1 0 0 0 \$826 \$2.580 \$1.974 \$1.677 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,982 60-64 3 18 17 0 0 0 0 0 0 185 77 52 18 0 \$0 \$0 \$0 \$2,661 \$2,199 \$1,986 \$1,702 \$1,407 \$1,097 \$0 \$0 \$0 \$0 \$1,920 0 0 0 65-69 58 277 240 174 158 141 4 0 0 0 1,052 \$1.783 \$0 \$0 \$0 \$0 \$0 \$0 \$1,697 \$1.110 \$1.778 \$1.759 \$1.801 \$1.470 \$862 70-74 0 30 18 28 39 729 64 5 0 0 0 0 0 913 \$2,421 \$0 \$2,320 \$1,935 \$1,836 \$1,479 \$1,292 \$737 \$0 \$0 \$0 \$0 \$0 \$1,543 75-79 0 5 2 2 60 362 15 2 0 0 0 0 449 \$0 \$1,626 \$2,252 \$2,346 \$1,818 \$1,276 \$1,163 \$452 \$0 \$0 \$0 \$0 \$1,352 0 0 2 0 0 0 80-84 0 0 8 35 117 0 163 \$0 \$0 \$0 \$0 \$1,686 \$1,500 \$1,166 \$234 \$0 \$0 \$0 \$0 \$1,246 85-89 0 0 0 0 0 26 0 0 0 0 1 3 13 43 \$0 \$0 \$0 \$0 \$0 \$945 \$784 \$0 \$0 \$0 \$0 \$887 \$1,109 90-94 0 0 0 0 0 0 0 0 2 1 0 \$0 \$0 \$0 \$0 \$0 \$0 \$1.285 \$0 \$0 \$0 \$794 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 **Total** 65 398 323 229 218 956 469 152 31 1 0 0 0 2,842

\$1,287

\$1,148

Average: Age 70.9 Years Retired 6.2

\$1,923

\$1,803

\$1,869

\$1,763

\$1,493

Males 729 Females 2,113

\$720

\$0

\$0

\$0

\$1,571

\$1,164

^{*}Monthly benefit omitted for privacy reasons.



						T	RS 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 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	5	55	32	10	9	0	0	0	0	0	0	0	0	111
	\$971	\$1,036	\$1,003	\$863	\$718	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$982
60-64	25	256	154	64	46	109	0	0	0	0	0	0	0	654
	\$980	\$1,111	\$1,084	\$1,084	\$825	\$438	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$965
65-69	96	508	395	287	249	319	81	0	0	0	0	0	0	1,935
	\$869	\$989	\$972	\$952	\$884	\$655	\$348	\$0	\$0	\$0	\$0	\$0	\$0	\$879
70-74	1	16	30	25	53	480	108	2	0	0	0	0	0	715
	*	\$818	\$831	\$531	\$900	\$821	\$529	\$238	\$0	\$0	\$0	\$0	\$0	\$773
75-79	0	1	2	5	4	30	52	1	0	0	0	0	0	95
	\$0	*	\$686	\$434	\$704	\$704	\$704	*	\$0	\$0	\$0	\$0	\$0	\$680
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	1	0	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	127	836	613	391	361	940	241	3	0	0	0	0	0	3,512
	\$903	\$1,025	\$994	\$938	\$873	\$715	\$506	\$292	\$0	\$0	\$0	\$0	\$0	\$871

Average: Age 67.0 Years Retired 3.8

Males 1,019 2,493 Females

Defined benefit portion only.

^{*}Monthly benefit omitted for privacy reasons.

Age and Years Retired Distribution of Service Retired Members (Number of Service Retired Members and Average Monthly Benefit) (Continued) **SERS Plan 2** Attained Age **Attained Years Retired** 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 4 5-9 Total 0 0 0 0 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 0 0 0 0 0 0 50-54 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 55-59 4 13 7 0 0 0 0 0 0 0 0 0 28 4 \$1,532 \$1,123 \$1,053 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$911 \$1,118 22 33 0 0 0 0 237 60-64 92 54 22 14 0 0 0 \$1.133 \$995 \$900 \$913 \$639 \$539 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$894 65-69 124 0 0 414 344 286 223 177 0 0 0 0 1,575 \$0 \$834 \$1,096 \$902 \$798 \$748 \$778 \$773 \$681 \$0 \$0 \$0 \$0 \$0 70-74 59 56 65 113 1,097 44 0 0 0 0 0 0 1,443 \$1,085 \$783 \$804 \$804 \$850 \$729 \$844 \$0 \$0 \$0 \$0 \$0 \$0 \$753 0 0 0 75-79 5 20 18 20 20 241 270 0 0 0 594 \$588 \$876 \$612 \$713 \$791 \$643 \$677 \$0 \$0 \$0 \$0 \$0 \$0 \$672 80-84 0 3 6 6 51 32 0 0 0 0 0 108 10 0 \$0 \$553 \$0 \$0 \$0 \$709 \$463 \$742 \$445 \$498 \$0 \$0 \$0 \$492 0 2 12 0 0 0 0 0 25 85-89 0 0 \$0 \$444 \$0 \$321 \$488 \$0 \$0 \$0 \$0 \$0 \$0 \$401 90-94 0 0 0 0 0 0 1 1 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,505 95 & Over 0 0 0 0 0 1 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 164 484 411 362 4,013 Total 602 377 1,613 0 0 0 0 0 0

\$677

\$0

Average: Age 70.4
Years Retired 4.7

\$760

\$800

\$705

\$801

Males 1,193 Females 2,820

\$0

\$0

\$0

\$0

\$0

\$775

*Monthly benefit omitted for privacy reasons.

\$1,095

\$906

SERS Plan 3 Attained Age Attained Years Retired 0 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over **Total** 0 0 0 0 0 0 0 0 0 0 Under 50 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 5 7 5 0 0 0 0 0 0 43 55-59 14 12 0 0 \$604 \$471 \$251 \$363 \$311 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$389 60-64 31 96 42 71 0 0 0 0 0 0 0 426 160 26 \$0 \$0 \$0 \$447 \$459 \$505 \$392 \$275 \$242 \$0 \$0 \$0 \$0 \$410 39 0 0 0 0 0 65-69 88 393 318 213 218 372 0 1,641 \$0 \$0 \$0 \$0 \$0 \$0 \$416 \$411 \$477 \$482 \$423 \$412 \$320 \$177 0 0 70-74 5 51 40 21 52 534 90 0 0 0 0 793 \$0 \$241 \$393 \$334 \$286 \$414 \$381 \$273 \$0 \$0 \$0 \$0 \$0 \$366 75-79 0 5 6 5 8 41 46 0 0 0 0 0 0 111 \$0 \$278 \$265 \$260 \$170 \$366 \$335 \$0 \$0 \$0 \$0 \$0 \$0 \$325 0 2 5 9 0 0 0 0 0 0 20 80-84 0 4 0 \$0 \$0 \$438 \$120 \$0 \$250 \$282 \$0 \$0 \$0 \$0 \$0 \$0 \$289 85-89 0 0 0 0 0 0 0 0 0 0 0 1 1 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$178 90-94 0 0 0 0 0 0 0 0 0 0 1 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 Total 129 623 476 274 327 1,023 185 0 0 0 0 0 0 3,037

\$269

\$0

\$0

\$0

698

2,339

\$0

\$0

\$0

\$397

Average: Age 67.9 Males
Years Retired 4.1 Females

\$386

\$348

\$403

Defined benefit portion only.

\$420

\$464

\$465

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of Service Retired Members (Number of Service Retired Members and Average Monthly Benefit) (Continued) **PSERS Plan 2** Attained Age **Attained Years Retired** 2 4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over Total 0 0 0 **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 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 0 2 0 0 0 0 0 55-59 0 0 0 0 0 \$0 \$0 \$256 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$256 60-64 2 0 0 0 0 0 0 0 0 5 3 0 11 \$0 \$0 \$0 \$514 \$228 \$242 \$0 \$0 \$0 \$0 \$0 \$0 \$374 0 0 0 0 0 0 0 0 65-69 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$164 \$0 \$218 0 0 0 70-74 0 1 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$178 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 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 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 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 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 10 5 2 1 0 0 0 0 0 0 0 20 0 \$239 \$242 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$407 \$353 \$0 \$304

Average: 63.3 Age Years Retired 1.4

12 Males **Females** 8

^{*}Monthly benefit omitted for privacy reasons.

Age and Years Retired Distribution of Service Retired Law Enforcement Officers (Number of Service Retired Members and Average Monthly Benefit)

				(Nambe	. 51 551 110	(Continued)	iu Avelage	monany Do	nione,				
							EOFF Plan							
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	0	0	0	0	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	5	7	5	5	3	40	0	0	0	0	0	0	0	65
	\$5,707	\$6,163	\$6,940	\$5,746	\$4,714	\$4,658	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,163
60-64	5	15	15	12	20	130	142	0	0	0	0	0	0	339
	\$6,977	\$6,763	\$6,240	\$6,421	\$5,668	\$4,929	\$3,865	\$0	\$0	\$0	\$0	\$0	\$0	\$4,749
65-69	1	8	2	11	12	101	158	189	0	0	0	0	0	482
	*	\$8,014	\$6,301	\$5,869	\$5,235	\$5,446	\$4,523	\$3,289	\$0	\$0	\$0	\$0	\$0	\$4,355
70-74	0	3	0	2	2	18	72	114	118	0	0	0	0	329
	\$0	\$6,413	\$0	\$6,898	\$6,180	\$5,230	\$4,726	\$4,069	\$3,354	\$0	\$0	\$0	\$0	\$4,071
75-79	0	1	0	0	0	1	12	40	71	97	0	0	0	222
	\$0	*	\$0	\$0	\$0	*	\$4,757	\$4,660	\$4,000	\$3,111	\$0	\$0	\$0	\$3,811
80-84	0	0	0	0	0	0	1	7	26	49	72	0	0	155
	\$0	\$0	\$0	\$0	\$0	\$0	*	\$5,019	\$4,410	\$3,364	\$3,189	\$0	\$0	\$3,548
85-89	0	0	0	0	0	0	0	0	9	15	44	33	0	101
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,880	\$3,928	\$3,726	\$3,489	\$0	\$3,693
90-94	0	0	0	0	0	0	0	0	0	3	6	11	6	26
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,263	\$3,553	\$3,593	\$2,719	\$3,228
95 & Over	0	0	0	0	0	0	0	0	0	0	1	1	0	2
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	*	\$0	\$4,653
Total	11	34	22	30	37	290	385	350	224	164	123	45	6	1,721
	\$6,558	\$6,918	\$6,405	\$6,138	\$5,478	\$5,106	\$4,329	\$3,735	\$3,702	\$3,246	\$3,423	\$3,507	\$2,719	\$4,211

 Average:
 Age
 70.8
 Males
 1,670

 Years Retired
 16.4
 Females
 51

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of Service Retired Fire Fighters (Number of Service Retired Members and Average Monthly Benefit) (Continued) **LEOFF Plan 1** Attained Age **Attained Years Retired** 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 0 0 0 0 0 0 0 0 0 **Under 50** 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 2 6 6 0 0 0 0 0 54 55-59 13 9 18 0 \$8.869 \$6,448 \$8.097 \$6.005 \$6.766 \$5.173 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$6,374 60-64 53 0 0 0 0 6 21 8 14 24 90 0 0 216 \$0 \$7,166 \$7,011 \$6,991 \$6,410 \$6,157 \$5,731 \$3,974 \$0 \$0 \$0 \$0 \$0 \$5,602 0 0 0 65-69 6 11 72 96 64 0 0 269 \$7.707 \$6.894 \$6.197 \$0 \$0 \$7,885 \$6.721 \$5.739 \$4.573 \$3.157 \$0 \$0 \$0 \$4,877 0 0 70-74 0 3 0 0 10 27 70 41 0 0 152 \$0 \$6,190 \$0 \$8,266 \$0 \$5,046 \$4,122 \$3,091 \$0 \$0 \$0 \$0 \$4,246 75-79 0 0 0 0 24 28 40 0 0 0 101 \$0 \$0 \$0 \$0 \$4,894 \$5,674 \$4,466 \$3,207 \$0 \$0 \$0 \$4,339 0 0 0 0 0 0 80-84 0 0 0 5 12 47 36 100 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$4,920 \$4,432 \$3,821 \$3,305 \$0 \$0 \$3,764 85-89 0 0 0 0 0 0 0 0 11 18 16 48 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$6,059 \$4,589 \$4,097 \$0 \$3,277 \$4,040 0 0 0 0 90-94 0 0 0 0 6 6 21 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$4.384 \$4.554 \$3.692 \$3.051 \$3,821 95 & Over 0 0 0 0 0 0 0 0 0 0 0 2 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$3,384 \$3,432 **Total** 11 47 27 27 41 190 183 165 82 100 60 24 8 965 \$6,453 \$4,482 \$7,623 \$6,887 \$7,664 \$6,257 \$5,706 \$4,021 \$3,782 \$3,671 \$3,668 \$3,409 \$3,135 \$4,785

70.3 962 Males Average: Age Years Retired 14.8 Females 3

^{*}Monthly benefit omitted for privacy reasons.

\$0

\$0

\$0

\$2,870



Age and Years Retired Distribution of Service Retired Law Enforcement Officers (Number of Service Retired Members and Average Monthly Benefit) (Continued) **LEOFF Plan 2 Attained Age Attained Years Retired** 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 0 0 0 0 0 0 **Under 50** 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 50-54 28 42 15 10 9 0 0 0 0 0 0 0 0 104 \$3,104 \$3,183 \$3,612 \$3,623 \$3,053 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$3,255 0 0 0 0 0 55-59 28 88 103 69 74 146 0 0 508 \$4.455 \$4.000 \$3.578 \$2.924 \$2.684 \$2.788 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$3,253 32 0 0 0 0 0 381 60-64 14 50 41 21 34 189 0 \$2,863 \$4,151 \$3,435 \$3,450 \$3,401 \$3,286 \$2,578 \$1,537 \$0 \$0 \$0 \$0 \$0 \$0 0 0 0 0 65-69 5 21 10 13 70 63 0 0 189 \$3.940 \$2.506 \$0 \$0 \$0 \$3.198 \$2,728 \$2,576 \$2.531 \$1.451 \$0 \$0 \$0 \$2,256 0 70-74 2 24 18 10 0 0 0 0 60 \$1,848 \$1.932 \$2,428 \$1,265 \$976 \$0 \$0 \$0 \$0 \$0 \$1,585 75-79 0 0 0 0 0 3 5 8 1 0 0 0 0 17 \$0 \$0 \$0 \$0 \$0 \$1,368 \$1,563 \$803 \$0 \$0 \$0 \$0 \$1,166 0 0 0 0 2 2 0 0 0 80-84 0 0 1 \$0 \$0 \$0 \$0 \$0 \$0 \$1.562 \$921 \$0 \$0 \$0 \$1,221 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 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 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** 76 203 170 114 127 432 119 20 3 0 0 0 1,265

\$1,452

\$965

\$1,110

60.7 1,154 Males Average: Age Years Retired 4.8 **Females** 111

\$2,859

\$2,593

\$3,845

\$3,517

\$3,532

\$3,026

^{*}Monthly benefit omitted for privacy reasons.

\$3,426

0

\$0

						e Retired I	Members ar	nd Average	red Fire Fig Monthly Be					
							(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	10	19	3	3	0	0	0	0	0	0	0	0	0	35
	\$5,192	\$3,627	\$2,832	\$2,955	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,948
55-59	32	70	49	42	23	45	0	0	0	0	0	0	•	261
	\$4,723	\$4,677	\$3,960	\$3,457	\$3,338	\$2,753	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,902
60-64	14	49	30	17	21	102	10	0	0	0	0	0	0	243
	\$4,194	\$4,573	\$4,240	\$3,347	\$4,065	\$2,948	\$2,171	\$0	\$0	\$0	\$0	\$0	\$0	\$3,599
65-69	1	8	7	6	9	35	26	0	0	0	0	0	0	92
	*	\$2,958	\$2,457	\$3,747	\$2,775	\$2,562	\$2,024	\$0	\$0	\$0	\$0	\$0	\$0	\$2,550
70-74	0	2	3	1	4	14	8	3	0	0	0	0	0	35
	\$0	\$2,182	\$2,187	*	\$2,269	\$2,170	\$2,173	\$955	\$0	\$0	\$0	\$0	\$0	\$2,024
75-79	0	0	0	0	0	1	7	10	2	0	0	0	0	20
	\$0	\$0	\$0	\$0	\$0	*	\$1,552	\$1,095	\$1,330	\$0	\$0	\$0	\$0	\$1,281
80-84	0	0	0	0	0	0	0	1	3	0	0	0	0	4
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*	\$691	\$0	\$0	\$0	\$0	\$1,239
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

Average: Age 61.3 Males 664
Years Retired 4.4 Females 27

\$3,442

57

69

\$3,386

197

\$2,771

51

\$2,011

14

\$1,193

6

\$834

0

\$0

\$0

\$0

57

\$4,662

148

\$4,381

92

\$3,842

Total

^{*}Monthly benefit omitted for privacy reasons.

						W	SPRS Plan	1						
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 4	0 & Over	Total
Under 50	3	13	6	0	0	0	0	0	0	0	0	0	0	22
	\$4,181	\$4,291	\$4,662	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,377
50-54	8	19	15	4	3	8	0	0	0	0	0	0	0	57
	\$4,312	\$4,341	\$4,708	\$4,119	\$3,545	\$4,012	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,330
55-59	5	12	13	4	4	54	10	0	0	0	0	0	0	102
	\$4,132	\$3,361	\$4,447	\$4,584	\$4,628	\$4,224	\$4,047	\$0	\$0	\$0	\$0	\$0	\$0	\$4,159
60-64	4	2	2	3	4	44	76	19	0	0	0	0	0	154
	\$2,997	\$1,403	\$5,293	\$5,843	\$4,741	\$4,465	\$4,269	\$3,576	\$0	\$0	\$0	\$0	\$0	\$4,225
65-69	0	0	0	0	0	24	55	95	11	0	0	0	0	185
	\$0	\$0	\$0	\$0	\$0	\$3,795	\$4,637	\$3,794	\$3,428	\$0	\$0	\$0	\$0	\$4,023
70-74	0	0	0	0	0	0	14	65	51	4	0	0	0	134
	\$0	\$0	\$0	\$0	\$0	\$0	\$4,641	\$4,308	\$3,479	\$3,615	\$0	\$0	\$0	\$4,007
75-79	0	0	0	0	0	0	0	11	27	19	3	0	0	60
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,578	\$3,567	\$3,320	\$2,406	\$0	\$0	\$3,616
80-84	0	0	0	0	0	0	0	0	9	23	15	0	0	47
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,828	\$3,252	\$2,953	\$0	\$0	\$3,267
85-89	0	0	0	0	0	0	0	0	0	3	8	1	1	13
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,419	\$3,608	*	*	\$3,246
90-94	0	0	0	0	0	0	0	0	0	0	2	0	0	2
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,816	\$0	\$0	\$2,816
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	20	46	36	11	11	130	155	190	98	49	28	2	1	777
	\$3,984	\$3,944	\$4,639	\$4,758	\$4,374	\$4,213	\$4,419	\$3,993	\$3,530	\$3,318	\$3,072	\$1,978	*	\$4,015

Average: Age 66.0 Years Retired 13.8 Males 760 Females 17

^{*}Monthly benefit omitted for privacy reasons.

ndices	126	
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				Age and	Years Re	tired Distri	bution of A	II Members	With Disabi	ilities				
(Number of All Members With Disabilities and Average Monthly Benefit)														
PERS Plan 1														
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 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	0	0	0	1	1	3	0	0	0	0	0	0	5
	\$0	\$0	\$0	\$0	*	*	\$573	\$0	\$0	\$0	\$0	\$0	\$0	\$981
55-59	1	9	5	4	4	54	29	10	4	1	0	0	0	121
	*	\$868	\$1,495	\$727	\$1,413	\$1,060	\$742	\$571	\$325	*	\$0	\$0	\$0	\$925
60-64	0	3	11	12	6	67	79	37	17	5	2	1	0	240
	\$0	\$1,389	\$1,300	\$1,081	\$1,354	\$1,217	\$1,121	\$840	\$639	\$358	\$220	*	\$0	\$1,059
65-69	0	0	0	2	0	50	104	63	23	11	7	1	0	261
	\$0	\$0	\$0	\$2,786	\$0	\$1,240	\$1,082	\$938	\$719	\$405	\$402	*	\$0	\$1,009
70-74	0	0	0	0	0	5	48	64	39	22	8	3	2	191
	\$0	\$0	\$0	\$0	\$0	\$1,105	\$1,124	\$1,136	\$786	\$658	\$345	\$451	\$393	\$954
75-79	0	0	0	0	0	0	0	30	49	36	12	10	0	137
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$974	\$940	\$779	\$455	\$330	\$0	\$818
80-84	0	0	0	0	0	0	0	0	36	67	35	13	2	153
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$932	\$719	\$713	\$333	\$297	\$729
85-89	0	0	0	0	0	0	0	0	0	19	44	19	3	85
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$742	\$656	\$528	\$408	\$638
90-94	0	0	0	0	0	0	0	0	0	0	17	22	5	44
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$729	\$549	\$416	\$603
95 & Over	0	0	0	0	0	0	0	0	0	0	0	5	1	6
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$887	*	\$823
Total	1	12	16	18	11	177	263	204	168	161	125	74	13	1,243
	*	\$998	\$1,361	\$1,192	\$1,425	\$1,173	\$1,058	\$970	\$827	\$692	\$622	\$490	\$399	\$906

Average: Age 71.2 Years Retired 18.7 Males 452 Females 791

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of All Members With Disabilities (Number of All Members With Disabilities and Average Monthly Benefit) (Continued) PERS Plan 2 Attained Age **Attained Years Retired** 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 2 2 3 9 4 12 3 0 0 0 35 **Under 50** 0 0 0 \$0 \$91 \$123 \$152 \$102 \$119 \$121 \$67 \$0 \$0 \$0 \$0 \$0 \$117 50-54 2 14 14 13 6 25 9 3 0 0 0 0 0 86 \$596 \$377 \$283 \$226 \$222 \$202 \$93 \$61 \$0 \$0 \$0 \$0 \$0 \$241 2 0 0 0 0 0 55-59 10 29 28 20 14 95 30 228 \$510 \$720 \$474 \$358 \$319 \$258 \$162 \$114 \$0 \$0 \$0 \$0 \$0 \$353 60-64 32 137 100 0 0 0 0 437 18 58 42 33 17 0 \$830 \$978 \$680 \$558 \$503 \$399 \$230 \$122 \$0 \$0 \$0 \$0 \$0 \$491 0 0 0 65-69 21 18 27 18 249 128 33 4 0 499 \$835 \$323 \$0 \$0 \$533 \$791 \$809 \$731 \$607 \$194 \$81 \$0 \$0 0 0 70-74 0 3 0 86 152 51 6 0 0 300 \$0 \$0 \$0 \$284 \$772 \$510 \$237 \$164 \$0 \$0 \$0 \$531 75-79 0 0 0 0 1 1 56 71 17 0 0 0 0 146 \$0 \$0 \$0 \$0 \$654 \$424 \$267 \$0 \$0 \$0 \$0 \$499 0 0 0 0 39 26 2 0 0 0 80-84 0 1 69 \$0 \$0 \$0 \$0 \$0 \$587 \$312 \$343 \$0 \$0 \$0 \$462 85-89 0 0 0 0 0 0 0 0 2 0 0 0 10 12 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$332 \$284 \$0 \$0 \$0 \$324 0 0 0 0 0 0 0 0 90-94 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 33 132 107 99 74 605 479 216 63 5 0 0 0 1,813 \$385 \$0 \$0 \$654 \$772 \$577 \$521 \$491 \$502 \$342 \$274 \$284 \$0 \$471

65.7 860 Males Average: Age Years Retired 8.8 Females 953

^{*}Monthly benefit omitted for privacy reasons.

38

Age and Years Retired Distribution of All Members With Disabilities (Number of All Members With Disabilities and Average Monthly Benefit) (Continued) **PERS Plan 3 Attained Age Attained Years Retired** 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 4 5-9 **Total** 0 0 0 0 0 Under 50 1 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 0 3 2 0 0 0 0 0 0 50-54 1 1 1 \$0 \$271 \$103 \$0 \$0 \$0 \$0 \$0 \$0 \$195 55-59 2 2 1 2 0 13 0 0 0 0 0 0 0 20 \$0 \$0 \$419 \$592 \$271 \$202 \$0 \$0 \$0 \$0 \$0 \$0 \$273 5 3 2 0 0 0 0 0 0 0 60-64 1 1 13 25 \$239 \$331 \$215 \$255 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$265 65-69 0 0 0 0 0 0 1 0 0 16 0 19 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$294 \$0 \$312 70-74 0 0 0 0 0 4 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$440 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$440 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 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 4 47 Total 4 11 6 5 1 0 0 0 0 0 0 78 \$333 \$332 \$261 \$333 \$159 \$268 \$0 \$0 \$0 \$0 \$0 \$0 \$277

Average: Age 61.2 Males
Years Retired 5.0 Females

Defined benefit portion only.

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of All Members With Disabilities (Number of All Members With Disabilities and Average Monthly Benefit) (Continued) **TRS Plan 1** Attained Age **Attained Years Retired** 2 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 0 0 0 0 0 0 0 0 0 0 **Under 50** 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 0 0 2 0 5 7 0 0 0 0 0 55-59 1 18 \$0 \$0 \$2.464 \$0 \$2.289 \$1.487 \$1.369 \$0 \$0 \$0 \$0 \$0 \$1,871 60-64 0 0 0 9 2 2 0 0 115 0 3 27 44 28 \$0 \$0 \$0 \$0 \$2,021 \$0 \$2,117 \$1,872 \$1,383 \$863 \$374 \$296 \$0 \$1,682 0 0 0 0 2 0 65-69 0 18 49 66 12 8 159 \$0 \$0 \$0 \$0 \$603 \$482 \$376 \$1,505 \$0 \$1.745 \$1.613 \$1.648 \$1.046 \$0 0 0 70-74 0 0 0 0 11 31 28 15 6 6 0 97 \$0 \$0 \$0 \$0 \$0 \$0 \$1,619 \$1,571 \$1,360 \$1,191 \$887 \$352 \$0 \$1,339 75-79 0 0 0 0 0 0 0 5 25 36 11 16 0 93 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,107 \$1,409 \$1,279 \$921 \$464 \$0 \$1,122 0 0 0 0 0 0 0 5 0 80-84 0 39 38 7 89 \$1,197 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,624 \$1,294 \$1,129 \$710 \$0 85-89 0 0 0 0 0 0 0 0 7 3 0 5 33 48 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,123 \$918 \$865 \$746 \$921 90-94 0 0 0 0 0 0 0 5 0 0 0 1 10 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$897 \$999 \$883 95 & Over 0 0 0 0 0 0 0 0 0 0 0 3 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$596 \$0 \$596 Total 0 2 3 1 50 111 133 79 105 99 45 4 632 \$0 \$0 \$2,464 \$2,000 \$1,708 \$2,021 \$1,547 \$1,288 \$1,196 \$966 \$602 \$647 \$1,364

 Average:
 Age
 72.2
 Males
 234

 Years Retired
 21.4
 Females
 398

^{*}Monthly benefit omitted for privacy reasons.

61

Males

Females

Age and Years Retired Distribution of All Members With Disabilities (Number of All Members With Disabilities and Average Monthly Benefit) (Continued) TRS Plan 2 Attained Age **Attained Years Retired** 2 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over Total 0 0 0 0 Under 50 0 0 0 0 0 0 1 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 50-54 0 0 0 0 1 2 0 0 0 0 0 \$0 \$0 \$0 \$0 \$68 \$0 \$0 \$0 \$0 \$0 \$184 0 2 0 5 0 0 0 0 55-59 1 0 0 0 0 \$417 \$0 \$793 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$585 60-64 0 0 2 0 5 3 0 0 0 0 0 1 7 18 \$0 \$0 \$0 \$0 \$0 \$746 \$448 \$264 \$195 \$0 \$0 \$0 \$443 0 2 0 0 0 0 65-69 15 0 25 \$0 \$688 \$622 \$417 \$0 \$0 \$0 \$789 \$0 \$0 0 0 0 70-74 0 0 0 0 5 11 3 0 0 0 19 \$0 \$0 \$0 \$0 \$0 \$0 \$1,262 \$625 \$728 \$0 \$0 \$0 \$0 \$809 75-79 0 0 0 0 0 0 1 8 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$737 \$0 \$0 \$0 \$0 \$0 \$818 0 0 0 0 0 0 0 2 0 0 0 0 0 80-84 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1.653 \$0 \$0 \$0 \$0 \$0 \$1,653 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 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 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 5 4 1 33 22 20 0 0 0 0 0 87 \$721 \$666 \$555 \$0 \$0 \$0 \$0 \$0 \$0 \$1,257 \$1,057 \$647 \$684

Average: 66.5 Age Years Retired 9.7

^{*}Monthly benefit omitted for privacy reasons.

47

Males



Age and Years Retired Distribution of All Members With Disabilities (Number of All Members With Disabilities and Average Monthly Benefit) (Continued) TRS Plan 3 Attained Age **Attained Years Retired** 2 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over Total 0 0 0 0 0 0 0 Under 50 1 1 1 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$85 50-54 0 0 2 0 2 0 0 0 0 0 0 0 \$0 \$0 \$102 \$0 \$105 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$143 0 3 3 0 0 0 0 0 55-59 2 1 1 6 0 16 \$0 \$466 \$255 \$163 \$126 \$0 \$0 \$0 \$0 \$0 \$0 \$258 60-64 0 0 0 0 0 0 0 27 5 1 1 11 8 \$0 \$0 \$0 \$738 \$266 \$183 \$0 \$0 \$0 \$0 \$337 65-69 0 0 0 0 0 0 0 0 0 1 9 10 21 \$0 \$0 \$0 \$497 \$258 \$0 \$0 \$0 \$0 \$392 \$0 \$0 0 0 0 70-74 0 0 1 0 1 2 0 0 0 0 \$0 \$0 \$0 \$0 \$278 \$0 \$0 \$0 \$0 \$0 \$0 \$298 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 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 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 9 6 3 30 23 0 0 0 0 0 0 76 5 \$0 \$216 \$0 \$0 \$0 \$0 \$0 \$0 \$555 \$517 \$160 \$355 \$306 \$311

Average: 61.4 Age Years Retired 6.8 **Females**

Defined benefit portion only.

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of All Members With Disabilities (Number of All Members With Disabilities and Average Monthly Benefit) (Continued) **SERS Plan 2 Attained Age Attained Years Retired** 4 5-9 10-14 20-24 25-29 30-34 35-39 40 & Over 15-19 Total 2 0 0 0 0 Under 50 1 0 0 0 0 0 0 0 \$0 \$0 \$0 \$108 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$108 0 0 0 0 0 0 0 0 50-54 4 1 0 0 \$0 \$0 \$0 \$0 \$93 \$0 \$0 \$0 \$0 \$0 \$0 \$87 55-59 1 8 6 5 2 16 1 0 0 0 0 0 0 39 \$0 \$286 \$311 \$254 \$148 \$0 \$0 \$0 \$0 \$0 \$220 \$169 2 0 0 0 0 0 60-64 8 10 7 7 27 6 0 67 \$737 \$602 \$434 \$260 \$334 \$207 \$178 \$0 \$0 \$0 \$0 \$0 \$0 \$320 65-69 2 0 0 0 0 0 5 7 5 48 15 0 0 82 \$255 \$0 \$0 \$462 \$741 \$355 \$446 \$308 \$0 \$0 \$0 \$0 \$0 \$331 70-74 0 0 0 0 0 17 17 0 0 0 0 0 0 34 \$0 \$0 \$0 \$0 \$0 \$540 \$338 \$0 \$0 \$0 \$0 \$0 \$0 \$439 0 0 0 0 0 0 0 0 0 0 75-79 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$846 \$0 \$0 \$0 \$0 \$0 \$0 \$846 80-84 0 0 0 0 0 0 0 0 0 0 0 0 1 \$0 \$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 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 22 45 **Total** 3 18 21 14 113 0 0 0 0 0 0 236

\$326

\$0

\$0

\$0

\$0

\$0

\$0

\$325

64.2 Average: Age Males 81 Years Retired 6.2 **Females** 155

\$347

\$290

\$514

\$432

\$427

\$276

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of All Members With Disabilities (Number of All Members With Disabilities and Average Monthly Benefit) (Continued) **SERS Plan 3** Attained Age **Attained Years Retired** 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over Total 0 0 0 0 0 0 0 0 0 0 0 Under 50 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 50-54 1 1 0 0 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$143 0 0 0 0 0 55-59 0 0 0 1 1 0 0 \$0 \$0 \$0 \$0 \$180 \$0 \$0 \$0 \$0 \$0 \$0 \$146 60-64 3 3 2 0 0 0 0 0 0 1 3 1 17 30 \$438 \$205 \$432 \$176 \$129 \$0 \$0 \$0 \$0 \$0 \$0 \$233 0 0 0 0 0 65-69 0 0 2 11 6 0 21 \$0 \$0 \$221 \$0 \$0 \$0 \$0 \$0 \$197 \$165 \$0 \$213 0 0 0 0 70-74 0 0 0 0 1 7 0 0 0 \$293 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$335 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 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 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 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 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 **Total** 2 5 3 5 34 17 0 0 0 0 0 0 70 \$192 \$240 \$0 \$0 \$0 \$0 \$0 \$0 \$156 \$201 \$468 \$166 \$351 \$233

63.9 27 Average: Males Age Years Retired 6.5 **Females** 43

Defined benefit portion only.

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of All Members With Disabilities (Number of All Members With Disabilities and Average Monthly Benefit) (Continued) **PSERS Plan 2** Attained Age **Attained Years Retired** 2 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over Total 0 0 0 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 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 0 0 0 0 0 0 0 0 55-59 1 1 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$148 60-64 0 0 0 0 0 0 0 0 0 0 0 1 1 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$235 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 70-74 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 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 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 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 Total 2 1 1 0 0 0 0 0 0 0 1 0

\$0

\$0

58.3 Average: Age 2.2 Years Retired

\$0

\$0

Males 4 Females 1

\$0

\$0

\$0

\$0

\$183

\$0

\$297

^{*}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 1 Attained Age Attained Years Retired 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 0 0 0 0 0 0 0 0 0 **Under 50** 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 0 0 0 0 0 3 0 85 55-59 11 24 24 14 0 \$0 \$0 \$0 \$0 \$0 \$4.399 \$3.582 \$3.176 \$2.863 \$2,708 \$1.918 \$0 \$0 \$3,303 60-64 0 0 0 0 104 382 1 24 83 69 60 38 3 0 \$0 \$0 \$0 \$3,126 \$0 \$3,793 \$3,527 \$3,231 \$2,927 \$2,715 \$0 \$2,574 \$2,075 0 0 0 0 65-69 10 87 197 130 96 99 37 663 \$0 \$0 \$0 \$0 \$4.340 \$3,189 \$3.719 \$3,480 \$3.095 \$2.794 \$2.764 \$2.651 \$2.749 0 70-74 0 0 0 0 15 64 87 63 53 35 322 \$0 \$0 \$0 \$0 \$0 \$3.646 \$3,585 \$3,402 \$3,023 \$2,858 \$2,819 \$2,519 \$3,207 75-79 0 0 0 0 0 0 3 12 25 33 49 23 13 158 \$0 \$0 \$0 \$0 \$0 \$0 \$3,132 \$3,595 \$3,468 \$2,817 \$3,149 \$2,904 \$2,809 \$3,100 0 0 0 0 0 0 80-84 0 3 14 34 19 8 79 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,553 \$3,118 \$3,200 \$2,776 \$2,888 \$3,049 85-89 0 0 0 0 0 0 0 0 2 13 17 5 38 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,838 \$3,188 \$3,483 \$2,741 \$3,233 0 0 0 0 0 0 90-94 0 0 0 1 2 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$3.218 \$3.135 \$2,985 95 & Over 0 0 0 0 0 0 0 0 0 0 0 0 1 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 Total 0 0 0 2 46 212 403 328 278 290 138 39 1,736 0 \$0 \$0 \$4,176 \$3,615 \$0 \$0 \$4,017 \$3,420 \$3,155 \$2,843 \$2,883 \$2,860 \$2,790 \$3,169

68.4 1,684 Males Average: Age Years Retired 23.3 Females

^{*}Monthly benefit omitted for privacy reasons.

Age and Years Retired Distribution of All Fire Fighters With Disabilities (Number of All Members With Disabilities and Average Monthly Benefit) (Continued) **LEOFF Plan 1** Attained Age **Attained Years Retired** 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 0 0 0 0 0 0 0 0 0 0 **Under 50** 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 1 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$3,434 0 0 0 8 5 0 0 0 55-59 0 4 10 24 12 63 \$0 \$0 \$0 \$0 \$4.752 \$4.340 \$3.623 \$3.334 \$3.005 \$2.806 \$0 \$0 \$0 \$3,610 60-64 0 0 0 0 2 0 333 55 111 64 50 22 24 \$0 \$0 \$0 \$0 \$4,077 \$4,359 \$3,800 \$3,547 \$3,191 \$2,766 \$2,615 \$2,508 \$0 \$3,581 0 0 0 0 65-69 0 35 156 226 133 48 32 1 656 \$0 \$0 \$0 \$0 \$0 \$2.922 \$2.652 \$4.107 \$3.939 \$3.694 \$3.387 \$2.943 \$3,578 0 0 0 70-74 0 1 3 41 109 137 45 48 23 3 410 \$0 \$0 \$0 \$0 \$3,756 \$4,003 \$3,747 \$3,671 \$3,035 \$3,066 \$2,790 \$2,236 \$3,530 75-79 0 0 0 0 0 0 16 52 38 49 21 2 179 \$0 \$0 \$0 \$0 \$0 \$0 \$3,689 \$3,617 \$3,416 \$3,432 \$2,839 \$2,246 \$3,425 0 0 0 0 0 0 6 80-84 0 3 15 25 53 38 140 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$3,671 \$3,798 \$3,726 \$3,443 \$3,261 \$2,860 \$3,462 85-89 0 0 0 0 0 0 0 0 101 0 1 28 57 15 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$3,673 \$3,392 \$3,036 \$3,420

Average: Age 70.4 Males 1,919
Years Retired 21.9 Females 4

\$4,742

0

\$0

0

\$0

7

0

\$0

0

\$0

103

\$4,254

0

\$0

0

\$0

333

\$3,878

0

\$0

0

\$0

430

\$3,675

0

\$0

0

\$0

395

\$3,499

0

\$0

0

\$0

185

\$3,146

3

\$3,479

184

\$3,111

\$3.165

238

\$3,234

18

2

47

\$3.128

\$3,124

\$2,963

35

\$3,272

\$3,310

1,923

\$3,532

0

\$0

0

0

\$0

\$0

90-94

95 & Over

Total

0

\$0

0

\$0

0

\$0

0

0

\$0

\$0

0

\$0

\$0

0

\$0

0

^{*}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 Age Attained Years Retired														
Attained Age						Atta		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	1	3	5	3	4	8	2	0	0	0	0	0	0	26
	*	\$1,976	\$2,300	\$1,318	\$1,436	\$1,168	\$430	\$0	\$0	\$0	\$0	\$0	\$0	\$1,531
50-54	0	1	4	1	3	7	5	0	0	0	0	0	0	21
	\$0	*	\$1,858	*	\$1,800	\$1,524	\$828	\$0	\$0	\$0	\$0	\$0	\$0	\$1,532
55-59	0	0	2	4	6	23	5	0	0	0	0	0	0	40
	\$0	\$0	\$2,276	\$2,553	\$3,552	\$2,804	\$876	\$0	\$0	\$0	\$0	\$0	\$0	\$2,623
60-64	0	4	3	4	4	20	5	0	1	0	0	0	0	41
	\$0	\$2,051	\$3,321	\$3,385	\$2,833	\$2,302	\$1,326	\$0	*	\$0	\$0	\$0	\$0	\$2,338
65-69	0	0	0	0	0	8	5	0	0	0	0	0	0	13
	\$0	\$0	\$0	\$0	\$0	\$2,386	\$1,632	\$0	\$0	\$0	\$0	\$0	\$0	\$2,096
70-74	0	0	0	0	0	0	1	1	0	0	0	0	0	2
	\$0	\$0	\$0	\$0	\$0	\$0	*	*	\$0	\$0	\$0	\$0	\$0	\$819
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	1	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	1	8	14	12	17	66	23	1	1	0	1	0	0	144
	*	\$2,121	\$2,389	\$2,450	\$2,576	\$2,267	\$1,101	*	*	\$0	*	\$0	\$0	\$2,096

Average: Age 56.7 Males 118 Years Retired 6.2 Females 26

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of All Fire Fighters With Disabilities (Number of All Members With Disabilities and Average Monthly Benefit) (Continued) **LEOFF Plan 2** Attained Age **Attained Years Retired** 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 0 2 0 0 0 6 0 0 0 **Under 50** 1 0 0 0 \$0 \$0 \$0 \$0 \$920 \$0 \$0 \$0 \$0 \$1,003 \$1,131 \$0 \$0 50-54 0 3 1 6 0 0 0 0 0 0 13 \$0 \$1,635 \$1,579 \$0 \$0 \$0 \$0 \$0 \$0 \$1,757 6 0 0 0 0 0 55-59 8 8 3 0 34 \$5.319 \$3.921 \$3.292 \$3.141 \$2.851 \$2.123 \$0 \$0 \$0 \$0 \$0 \$0 \$3,443 60-64 0 0 0 0 0 0 0 3 0 3 10 3 23 \$0 \$0 \$3,219 \$0 \$0 \$4,619 \$4,084 \$2,937 \$2,564 \$0 \$0 \$0 \$0 \$3,344 0 0 0 0 0 0 65-69 6 13 \$0 \$2.417 \$0 \$0 \$0 \$0 \$2,282 \$0 \$3,114 \$1.460 \$0 0 0 0 0 70-74 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,120 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 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 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 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 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 15 9 12 37 11 2 0 0 0 0 0 95 \$2.984 \$1,856 \$0 \$0 \$0 \$0 \$0 \$4,879 \$3,294 \$3,120 \$2,244 \$660 \$2,725

57.8 83 Males Average: Age 5.5 Years Retired Females 12

^{*}Monthly benefit omitted for privacy reasons.

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				Age and Y	ears Retir	ed Distrib	ution of All	Members \	With Disabi	lities						
			(N	umber of A	All Membe	rs With D	isabilities a	and Averag	e Monthly E	Benefit)						
							Continued)									
							PRS Plan 1									
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	1	0	0	0	0	0	0	1		
E0 E4	\$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		
FF F0	\$0	\$0	\$0	\$0	\$0	· 4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
55-59	0	0	0	0	0	1	1	0	`l *	0	`I	0	0	\$0 \$0		
60-64	\$0	0 0 0 0 0 0 3 1 0 1 0 0														
00-04	\$0	\$ 0	\$0	\$0	\$0	\$0	\$0	\$0	! *	\$ 0	l *	\$0	\$0	\$0		
65-69	φ0 0	φ0 0	φ0 0	φυ 0	φ0	Ф О	φ0 0	φυ 2	1	φ0 3	3	ъ0 3	φ0 0	φυ 12		
03-09	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	! *	\$ 0	\$ 0	\$0	\$ 0	\$0		
70-74	0	0	0	0	0	0	0	3	2	ψ0 1	φ0 5	3	0	14		
10-14	\$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	2	0	0	5		
	\$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		
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	8	9	5	15	6	2	49		
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		

Average: Age 68.0 Males 44
Years Retired 25.9 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.

L	4	0	7	

							ired Distrib s and Avera							
					(IAUIIIDEI O		ERS Plan 1		Delicity					
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 4	0 & Over	Total
Under 50	2	5	3	7	8	25	22	17	9	3	7	4	1	113
	\$1,803	\$1,984	\$2,405	\$1,467	\$1,745	\$1,401	\$1,007	\$936	\$726	\$322	\$282	\$213	*	\$1,139
50-54	0	1	2	2	1	15	26	6	4	1	2	0	0	60
	\$0	*	\$1,384	\$1,071	*	\$2,050	\$983	\$1,132	\$311	*	\$312	\$0	\$0	\$1,228
55-59	2	5	8	6	1	28	34	24	17	2	7	3	0	137
	\$2,742	\$1,928	\$2,166	\$1,805	*	\$1,580	\$1,178	\$954	\$702	\$504	\$559	\$511	\$0	\$1,256
60-64	1	8	6	6	9	84	94	61	28	15	14	5	3	334
	*	\$1,902	\$3,129	\$2,263	\$2,083	\$1,767	\$1,317	\$923	\$906	\$545	\$474	\$500	\$766	\$1,323
65-69	0	0	0	7	12	82	145	132	79	25	16	6	6	510
	\$0	\$0	\$0	\$788	\$1,869	\$1,896	\$1,569	\$1,112	\$932	\$716	\$646	\$462	\$394	\$1,303
70-74	0	0	1	3	2	44	126	183	131	39	36	11	7	583
	\$0	\$0	*	\$2,551	\$2,640	\$1,819	\$1,446	\$1,327	\$1,142	\$796	\$692	\$583	\$407	\$1,264
75-79	0	0	0	1	1	22	85	229	260	136	91	27	14	866
	\$0	\$0	\$0	*	*	\$2,083	\$1,394	\$1,385	\$1,192	\$993	\$879	\$607	\$348	\$1,199
80-84	0	0	0	2	0	5	27	158	318	278	232	52	23	1,095
	\$0	\$0	\$0	\$2,643	\$0	\$2,071	\$1,589	\$1,342	\$1,229	\$1,061	\$1,019	\$753	\$445	\$1,134
85-89	0	0	0	0	0	1	7	42	173	374	406	124	27	1,154
	\$0	\$0	\$0	\$0	\$0	*	\$1,378	\$1,379	\$1,159	\$940	\$896	\$852	\$602	\$960
90-94	0	0	0	0	0	3	3	7	34	153	364	186	44	794
	\$0	\$0	\$0	\$0	\$0	\$2,791	\$1,689	\$1,502	\$1,166	\$858	\$806	\$848	\$680	\$851
95 & Over	0	0	0	0	0	0	0	0	3	8	79	114	57	261
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,628	\$997	\$819	\$710	\$881	\$800
	_													
Total	5	19	20	34	34	309	569	859	1,056	1,034	1,254	532	182	5,907
	\$2,242	\$1,938	\$2,494	\$1,860	\$1,980	\$1,816	\$1,401	\$1,268	\$1,150	\$949	\$867	\$778	\$656	\$1,099

Age Years Retired Average: 79.2 24.1

Males 673 Females 5,234

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of Survivors (Number of Survivors and Average Monthly Benefit) (Continued) PERS Plan 2 **Attained Age Attained Years Retired** 2 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 2 7 7 2 10 2 9 7 0 0 51 **Under 50** 5 0 0 \$588 \$635 \$516 \$446 \$382 \$473 \$217 \$205 \$0 \$249 \$0 \$0 \$0 \$417 50-54 2 15 12 7 13 19 10 5 1 0 0 0 0 84 \$2,590 \$798 \$881 \$436 \$541 \$404 \$427 \$392 \$0 \$0 \$0 \$0 \$618 0 0 0 0 55-59 5 23 17 25 20 63 22 6 0 181 \$1.064 \$971 \$1.261 \$835 \$661 \$496 \$514 \$208 \$0 \$0 \$0 \$0 \$0 \$702 60-64 18 96 49 0 0 0 0 254 27 26 18 12 1 \$0 \$990 \$1,043 \$964 \$920 \$841 \$665 \$530 \$0 \$0 \$0 \$722 \$444 0 0 65-69 19 18 24 17 121 88 22 5 0 316 \$387 \$0 \$0 \$802 \$1.555 \$1.083 \$928 \$1.085 \$862 \$544 \$357 \$0 0 70-74 0 6 8 13 9 100 132 59 16 0 0 0 343 \$0 \$0 \$635 \$934 \$873 \$618 \$946 \$634 \$419 \$334 \$0 \$0 \$0 \$690 75-79 0 3 0 3 3 60 118 101 24 1 0 0 0 313 \$0 \$1,107 \$0 \$613 \$949 \$754 \$664 \$530 \$378 \$0 \$0 \$0 \$621 0 0 3 0 0 0 80-84 0 15 45 94 49 208 \$0 \$0 \$0 \$908 \$785 \$577 \$488 \$345 \$0 \$0 \$0 \$619 85-89 0 0 1 0 2 15 0 0 0 117 1 13 34 51 \$0 \$0 \$0 \$609 \$864 \$628 \$557 \$419 \$0 \$0 \$0 \$601 0 0 2 2 9 2 0 0 90-94 0 1 0 10 0 26 \$0 \$0 \$0 \$0 \$629 \$462 \$509 \$343 \$296 \$0 \$0 \$0 \$419 95 & Over 0 0 0 0 0 0 0 0 0 1 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 **Total** 17 92 90 102 92 486 486 347 151 31 0 0 0 1,894 \$1,027 \$609 \$0 \$0 \$1,134 \$1,001 \$833 \$731 \$754 \$512 \$468 \$362 \$0 \$675

69.8 Average: Age Years Retired 10.6

354 Males **Females** 1,540

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of Survivors (Number of Survivors and Average Monthly Benefit) (Continued) PERS Plan 3 Attained Age **Attained Years Retired** 4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 2 2 0 0 3 0 0 Under 50 1 0 0 0 0 0 \$0 \$271 \$0 \$259 \$238 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$259 3 0 0 0 0 0 0 0 0 50-54 11 \$296 \$248 \$321 \$0 \$0 \$166 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$241 55-59 0 3 5 1 8 2 0 0 0 0 0 0 23 4 \$0 \$272 \$661 \$331 \$236 \$183 \$0 \$0 \$0 \$0 \$0 \$0 \$313 0 2 6 2 0 0 0 0 0 0 23 60-64 1 12 0 \$0 \$691 \$391 \$1.062 \$301 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$425 65-69 0 2 0 0 0 0 0 0 3 0 5 16 1 27 \$0 \$373 \$0 \$0 \$0 \$405 \$0 \$545 \$416 \$0 \$0 \$0 \$409 70-74 0 0 0 0 6 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$447 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$413 0 0 0 0 0 0 0 0 0 0 0 75-79 0 \$0 \$0 \$0 \$0 \$0 \$385 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$385 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 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 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 13 53 **Total** 3 11 14 6 3 0 0 0 0 0 0 103 \$248 \$371 \$452 \$439 \$358 \$335 \$192 \$0 \$0 \$0 \$0 \$0 \$0 \$361

Average: Age 60.7 Males 20 Years Retired 4.9 Females 83

Defined benefit portion only.

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of Survivors (Number of Survivors and Average Monthly Benefit) (Continued) **TRS Plan 1 Attained Age Attained Years Retired** 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 0 5 9 0 0 0 23 **Under 50** 1 1 1 1 4 1 0 \$2,225 \$1,355 \$0 \$1,291 \$0 \$0 \$0 \$0 \$1,827 50-54 0 0 0 0 3 2 1 2 0 0 15 \$0 \$0 \$0 \$0 \$2,132 \$1,167 \$1,041 \$672 \$505 \$0 \$0 \$1,305 2 2 2 55-59 0 14 12 11 4 1 1 60 \$0 \$2.206 \$3.051 \$2.074 \$1.396 \$1.385 \$979 \$705 \$920 \$1,541 60-64 2 2 8 5 1 41 43 31 13 4 3 155 1 \$1,445 \$3,435 \$2,213 \$1,368 \$960 \$962 \$614 \$675 \$1,253 \$1,451 \$745 0 65-69 0 0 43 88 62 43 11 6 269 \$0 \$0 \$5.159 \$0 \$2.059 \$690 \$881 \$1.699 \$1.534 \$1.093 \$598 \$636 \$1,529 0 70-74 0 0 18 53 104 69 27 24 13 4 314 \$0 \$1,415 \$0 \$0 \$1.801 \$1,523 \$1,690 \$1,383 \$972 \$806 \$555 \$840 75-79 0 0 0 0 1 8 25 111 175 68 53 12 6 459 \$0 \$0 \$0 \$0 \$2,337 \$1,731 \$1,571 \$1,472 \$1,186 \$999 \$503 \$1,018 \$1,396 0 0 0 0 80-84 18 43 143 118 164 31 4 523 \$0 \$0 \$0 \$0 \$1,606 \$1,704 \$1,393 \$1,154 \$1,101 \$867 \$685 \$1,244 85-89 0 0 0 0 0 137 223 82 520 1 0 12 61 4 \$0 \$0 \$0 \$0 \$0 \$0 \$1,712 \$1,246 \$1,138 \$1,124 \$865 \$1,000 \$1,136 0 0 0 0 0 90-94 0 0 6 43 134 100 7 295 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1.530 \$1.024 \$1.014 \$963 \$1.134 \$998 \$1,040 95 & Over 0 0 0 0 0 0 0 8 17 52 21 100 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$821 \$907 \$1,120 \$1,246 \$1,093 **Total** 2 3 6 8 7 133 248 388 524 422 637 299 56 2,733 \$2.559 \$3,469 \$2,093 \$1,568 \$1,099 \$2,948 \$2.839 \$1,860 \$1,557 \$1,350 \$1,038 \$1,002 \$1,045 \$1,293

 Average:
 Age
 78.9
 Males
 517

 Years Retired
 24.6
 Females
 2,216

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of Survivors (Number of Survivors and Average Monthly Benefit) (Continued) TRS Plan 2 Attained Age **Attained Years Retired** 2 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 2 0 0 0 0 3 0 0 0 **Under 50** 1 0 0 0 \$0 \$0 \$1,032 \$0 \$0 \$0 \$756 \$0 \$0 \$0 \$0 \$0 \$784 50-54 0 0 1 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$693 0 2 3 2 2 0 0 0 0 0 55-59 0 11 \$0 \$0 \$642 \$670 \$177 \$514 \$0 \$0 \$0 \$0 \$0 \$730 60-64 0 9 0 0 0 0 0 1 4 1 19 \$1,796 \$0 \$0 \$0 \$874 \$628 \$0 \$0 \$0 \$969 0 0 0 0 65-69 6 5 0 28 \$0 \$1.567 \$1.178 \$661 \$573 \$0 \$0 \$0 \$964 \$1.005 \$0 0 0 0 70-74 2 0 0 8 9 5 1 0 0 26 \$0 \$0 \$1,391 \$0 \$0 \$1,247 \$661 \$584 \$0 \$0 \$0 \$905 75-79 0 0 0 0 8 0 0 0 0 17 \$0 \$0 \$0 \$0 \$0 \$1,399 \$976 \$820 \$0 \$0 \$0 \$0 \$1,005 0 0 0 0 0 6 2 0 0 0 0 80-84 3 15 \$0 \$0 \$0 \$0 \$0 \$651 \$949 \$516 \$733 \$0 \$0 \$0 \$0 \$687 85-89 0 0 0 0 0 0 2 0 0 0 0 1 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,459 \$0 \$0 \$1,044 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 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 **Total** 2 5 4 8 37 35 26 6 0 0 0 0 131 \$1,292 \$1,450 \$742 \$0 \$0 \$0 \$0 \$3,055 \$1,281 \$838 \$935 \$662 \$567 \$891

Average: Age 68.6 Males 60
Years Retired 9.8 Females 71

^{*}Monthly benefit omitted for privacy reasons.

Age and Years Retired Distribution of Survivors (Number of Survivors and Average Monthly Benefit) (Continued) TBS Blog 2

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 40	& Over	Total
Under 50	2	8	1	1	0	4	0	0	0	0	0	0	0	16
	\$331	\$478	*	*	\$0	\$361	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$429
50-54	1	3	1	2	4	5	1	0	0	0	0	0	0	17
	*	\$242	*	\$244	\$266	\$477	*	\$0	\$0	\$0	\$0	\$0	\$0	\$412
55-59	6	7	4	6	3	11	1	0	0	0	0	0	0	38
	\$847	\$539	\$473	\$289	\$428	\$290	*	\$0	\$0	\$0	\$0	\$0	\$0	\$450
60-64	2	8	8	7	6	20	8	1	0	0	0	0	0	60
	\$911	\$591	\$500	\$403	\$417	\$417	\$226	*	\$0	\$0	\$0	\$0	\$0	\$437
65-69	0	3	4	10	6	22	12	0	0	0	0	0	0	57
	\$0	\$662	\$671	\$608	\$709	\$465	\$248	\$0	\$0	\$0	\$0	\$0	\$0	\$495
70-74	0	1	3	4	1	9	2	0	0	0	0	0	0	20
	\$0	*	\$475	\$951	*	\$476	\$128	\$0	\$0	\$0	\$0	\$0	\$0	\$544
75-79	0	0	1	1	1	3	1	0	0	0	0	0	0	7
	\$0	\$0	*	*	*	\$579	*	\$0	\$0	\$0	\$0	\$0	\$0	\$540
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	11	30	22	31	21	74	26	1	0	0	0	0	0	216
	\$776	\$522	\$569	\$514	\$468	\$427	\$264	*	\$0	\$0	\$0	\$0	\$0	\$468

Average: Age 61.5 Years Retired 5.0 Males 114 Females 102

Defined benefit portion only.

*Monthly benefit omitted for privacy reasons.

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	Age and Years Retired Distribution of Survivors (Number of Survivors and Average Monthly Benefit)													
				(1	Number of			ge Monthly	Benefit)					
							Continued)							
Attained Age							ERS Plan 2 ined Years	Detined						
Attained Age	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40	2 Over	Total
Under 50	0	0	0	1	0	3	10-14	0	0	0	0	0	a Over	10tai
Officer 50	\$0	\$0	\$0	*	\$0	\$363	*	\$0	\$0	\$0	\$0	\$0	\$ 0	\$502
50-54	0	3	3	0	2	φ303 2	1	0	0	0	0	0	0	11
30-34	\$0	\$75	\$268	\$0	\$541	\$203	*	\$0	\$0	\$0	\$0	\$0	\$0	\$244
55-59	ψ0 1	3	2	2	ψυ - 1	Ψ 2 05	0	0	0	0	0	0	0	14
00-03	*	\$672	\$270	\$204	*	\$275	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$326
60-64	2	7	Ψ27 0	8	2	14	3	0	0	0	0	0	0	37
00 04	\$466	\$455	*	\$707	\$649	\$283	\$271	\$0	\$0	\$0	\$0	\$0	\$0	\$433
65-69	2	3	2	8	2	22	7	0	0	0	0	0	0	46
30 33	\$421	\$605	\$528	\$727	\$557	\$576	\$310	\$0	\$0	\$0	\$0	\$0	\$0	\$554
70-74	0	0	2	0	5	23	13	0	0	0	0	0	0	43
	\$0	\$0	\$579	\$0	\$497	\$531	\$364	\$0	\$0	\$0	\$0	\$0	\$0	\$479
75-79	0	0	1	0	2	9	15	0	0	0	0	0	0	27
	\$0	\$0	*	\$0	\$281	\$798	\$414	\$0	\$0	\$0	\$0	\$0	\$0	\$528
80-84	0	0	0	0	. 0	1	3	0	0	0	0	0	0	4
	\$0	\$0	\$0	\$0	\$0	*	\$366	\$0	\$0	\$0	\$0	\$0	\$0	\$457
85-89	0	0	0	0	1	0	0	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	5	16	11	19	15	79	43	0	0	0	0	0	0	188
	\$386	\$453	\$366	\$689	\$573	\$502	\$358	\$0	\$0	\$0	\$0	\$0	\$0	\$478

Age Years Retired Average: 66.5 Males 82 6.2 Females 106

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of Survivors (Number of Survivors and Average Monthly Benefit) (Continued) **SERS Plan 3 Attained Age Attained Years Retired** 35-39 40 & Over 0 5-9 10-14 15-19 20-24 25-29 30-34 Total 0 0 0 2 Under 50 0 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$134 \$0 \$0 \$0 \$0 \$0 \$0 \$129 50-54 1 1 0 0 0 2 0 0 0 0 0 0 0 \$0 \$0 \$0 \$374 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$320 0 3 2 2 0 0 0 0 0 0 55-59 4 3 1 15 \$0 \$197 \$221 \$114 \$284 \$184 \$0 \$0 \$0 \$0 \$0 \$0 \$186 60-64 0 2 8 8 0 0 0 0 0 0 4 1 24 \$0 \$0 \$0 \$0 \$0 \$0 \$341 \$356 \$321 \$237 \$0 \$283 0 2 2 0 0 0 0 0 0 65-69 16 4 31 \$0 \$355 \$147 \$214 \$184 \$0 \$0 \$0 \$0 \$0 \$0 \$238 \$315 \$316 0 0 0 0 70-74 1 0 0 0 16 5 0 0 23 \$0 \$0 \$0 \$0 \$0 \$0 \$253 \$251 \$0 \$0 \$0 \$253 75-79 0 0 0 2 3 0 0 0 0 0 0 \$0 \$0 \$0 \$326 \$150 \$0 \$0 \$0 \$0 \$0 \$0 \$212 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 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 10 9 16 7 50 13 0 0 0 0 0 0 107 \$352 \$272 \$313 \$228 \$197 \$0 \$0 \$0 \$0 \$0 \$0 \$274 \$194 \$242

64.8 Average: Age 5.2 Years Retired

Males 54 53 Females

Defined benefit portion only.

^{*}Monthly benefit omitted for privacy reasons.

4:Appendices 148

					Age and Y	ears Reti	red Distribu	ition of Sur	vivors					
				(N	umber of		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	35-39 40		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	0	0	0	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	0	0	0	0
00.04	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
60-64	0	0	1	0	0	0	0	0	0	0	0	0	0	1
0.5.00	\$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
70.74	\$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
7.5.70	\$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
00.04	\$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	Û
05.00	\$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
00.04	\$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	U CO
95 & Over	\$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
	φU	φU	φU	φU	φU	φU	φU	φU	φU	φυ	φυ	φυ	φυ	φU
Total	0	0	1	1	0	0	0	0	0	0	0	0	0	2
	\$0	\$0	*	*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$72

Average: Age 51.6 Years Retired 2.2

Males 0 Females 2

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of Survivors of Law Enforcement Officers (Number of Survivors and Average Monthly Benefit) (Continued) **LEOFF Plan 1 Attained Age Attained Years Retired** 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 0 0 2 2 0 0 0 0 0 **Under 50** 1 1 1 0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,628 \$0 \$476 \$0 \$2,017 50-54 0 0 0 0 0 2 3 0 0 0 \$0 \$0 \$0 \$0 \$0 \$4,534 \$2,861 \$3,278 \$0 \$0 \$0 \$3,333 0 0 0 0 55-59 1 12 11 4 40 \$0 \$0 \$0 \$4.250 \$3.376 \$3.615 \$3.062 \$2.482 \$2.609 \$0 \$3,263 60-64 0 0 0 1 1 3 15 15 1 79 18 14 \$0 \$0 \$0 \$7,213 \$4,579 \$2,923 \$2,857 \$2,712 \$3,483 \$3,278 \$3,425 0 0 0 0 65-69 0 5 10 21 24 33 23 12 130 \$0 \$0 \$0 \$0 \$0 \$4.538 \$3.379 \$3.735 \$3.483 \$3.629 \$3,107 \$2,814 \$2.833 \$3,336 0 0 70-74 0 0 1 0 18 31 25 28 13 127 \$0 \$0 \$0 \$0 \$0 \$6,081 \$3,870 \$3,595 \$3,230 \$3,079 \$3,062 \$2,714 \$3,446 75-79 0 0 0 0 0 0 22 39 49 36 10 160 \$0 \$0 \$0 \$0 \$0 \$0 \$4,019 \$3.609 \$3,214 \$3,021 \$3,044 \$2,335 \$3,133 0 0 0 0 0 0 0 6 80-84 0 26 54 46 12 144 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$3,920 \$3,365 \$3,213 \$2,909 \$2,951 \$3,151 85-89 0 0 0 0 0 0 0 0 32 8 35 15 91 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$3,797 \$3,480 \$3,041 \$2,698 \$3,225 0 0 0 0 0 0 90-94 0 0 0 2 12 24 17 55 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2.249 \$2.948 \$3.275 \$2.967 \$3,071 95 & Over 0 0 0 0 0 0 0 0 1 0 3 7 12 \$0 \$0 \$0 \$0 \$0 \$0 \$1,922 \$0 \$0 \$0 \$2,237 \$2,283 **Total** 2 0 3 12 36 75 108 155 216 176 71 854 0 \$4,003 \$0 \$0 \$5,158 \$0 \$4,763 \$4,018 \$3,582 \$3,541 \$3,173 \$3,100 \$3,001 \$2,700 \$3,233

74.9 Average: Age Years Retired 29.0

10 Males **Females** 844

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of Survivors of Fire Fighters (Number of Survivors and Average Monthly Benefit) (Continued) **LEOFF Plan 1** Attained Age **Attained Years Retired** 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 0 0 2 0 0 0 0 0 0 **Under 50** 0 0 0 0 \$1,748 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,748 50-54 0 0 0 0 0 0 2 0 0 1 0 \$0 \$0 \$0 \$0 \$0 \$0 \$3,352 \$0 \$0 \$0 \$2,675 0 0 0 0 0 3 5 0 55-59 2 1 21 \$0 \$0 \$0 \$0 \$0 \$4.498 \$3.565 \$3.457 \$3.819 \$3.024 \$1.098 \$0 \$3,311 60-64 0 0 0 0 0 5 3 15 12 8 3 1 48 \$0 \$0 \$0 \$0 \$0 \$4,119 \$3,858 \$3,731 \$3,238 \$3,303 \$2,923 \$3,574 0 0 0 0 0 65-69 20 19 16 13 0 83 \$0 \$0 \$0 \$0 \$0 \$3.792 \$3.301 \$4.504 \$3.307 \$3.583 \$2,906 \$0 \$3,532 0 0 0 70-74 0 0 1 0 15 20 13 19 6 3 77 \$0 \$0 \$0 \$0 \$0 \$0 \$3.640 \$3,840 \$3,154 \$3,036 \$4,281 \$2,426 \$3,467 75-79 0 0 0 0 0 0 0 12 33 36 20 11 116 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$4,301 \$4,535 \$3,139 \$3,193 \$3,373 \$2,917 \$3,360 0 0 0 0 0 0 0 80-84 0 3 18 42 41 13 117 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$5,520 \$4,181 \$3,589 \$3,278 \$2,863 \$3,540 85-89 0 0 0 0 0 0 0 0 29 116 0 5 56 26 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$4,774 \$3,929 \$3,713 \$3,156 \$3,688 0 0 0 0 0 90-94 0 0 0 0 19 18 47 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$4.312 \$3.619 \$3.593 \$3.336 \$3,529 95 & Over 0 0 0 0 0 0 0 0 0 0 0 7 14 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$3,299 \$0 \$0 \$0 \$0 \$3,588 \$3,443 Total 0 0 0 0 8 29 56 67 94 154 159 79 646 \$0 \$0 \$0 \$0 \$0 \$4,160 \$3,961 \$3,745 \$3,739 \$3,529 \$3,401 \$3,479 \$3,126 \$3,504

77.2 Average: Age 30.2 Years Retired

5 Males **Females** 641

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of Survivors of Law Enforcement Officers (Number of Survivors and Average Monthly Benefit) (Continued) **LEOFF Plan 2** Attained Age **Attained Years Retired** 2 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 2 16 5 6 0 0 0 31 **Under 50** 1 1 0 0 0 0 \$1,159 \$883 \$1,483 \$1,737 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,181 50-54 8 2 6 0 0 0 0 0 0 24 \$3,843 \$718 \$1,289 \$2,773 \$1,709 \$0 \$0 \$0 \$0 \$0 \$0 \$1,798 2 0 0 0 0 0 55-59 1 0 6 3 0 21 \$1,742 \$1,565 \$0 \$415 \$2.371 \$1.823 \$1.324 \$0 \$0 \$0 \$0 \$0 \$0 60-64 0 0 3 0 0 0 0 0 0 0 13 \$0 \$0 \$0 \$2,479 \$0 \$0 \$2,031 \$1,384 \$1,415 \$0 \$0 \$0 \$0 0 0 0 0 0 0 0 0 65-69 3 0 \$0 \$0 \$0 \$1.394 \$0 \$0 \$0 \$0 \$1.436 \$0 \$0 \$1.526 0 0 0 0 0 0 70-74 0 0 0 2 1 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,102 \$0 \$0 \$0 \$887 75-79 0 0 0 0 0 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$975 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 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 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 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** 3 35 12 5 29 10 2 0 0 0 0 103 \$1,387 \$1,102 \$0 \$0 \$0 \$0 \$2,677 \$2,948 \$859 \$1,614 \$2,081 \$1,900 \$1,525

53.3 Average: Age 4.9 Years Retired

3 Males **Females** 100

^{*}Monthly benefit omitted for privacy reasons.



Age and Years Retired Distribution of Survivors of Fire Fighters (Number of Survivors and Average Monthly Benefit) (Continued) **LEOFF Plan 2** Attained Age **Attained Years Retired** 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over Total 0 3 0 4 3 0 0 0 **Under 50** 1 1 0 0 0 0 12 \$0 \$1,757 \$722 \$1,816 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,569 50-54 0 2 2 0 0 0 0 0 0 0 \$0 \$0 \$4,717 \$6,895 \$2,039 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$3,894 0 0 0 0 0 0 55-59 0 1 0 \$0 \$0 \$1.314 \$2.245 \$0 \$0 \$0 \$0 \$0 \$0 \$1,637 60-64 0 2 0 2 0 0 0 0 0 1 12 4 \$0 \$0 \$2,797 \$0 \$0 \$2,364 \$2,754 \$2,831 \$0 \$0 \$0 \$2,686 0 0 0 0 0 0 65-69 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$3,033 \$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 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 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 85-89 0 0 0 0 0 0 0 0 1 0 0 0 0 \$0 \$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 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 8 4 14 3 4 0 0 0 0 46 \$2,107 \$2,749 \$4,054 \$2,314 \$2,380 \$492 \$0 \$0 \$0 \$0 \$2.314 \$0 \$2,321

55.1 Age Males 1 Average: Years Retired 6.0 Females 45

^{*}Monthly benefit omitted for privacy reasons.

Age and Years Retired Distribution of Survivors (Number of Survivors and Average Monthly Benefit) (Continued) **WSPRS Plan 1** Attained Age **Attained Years Retired** 2 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40 & Over 0 Total 0 0 3 0 0 0 **Under 50** 1 1 1 1 2 0 0 \$2,270 \$0 \$0 \$3,706 \$0 \$0 \$0 \$0 \$0 \$3,115 50-54 0 0 0 0 0 0 0 1 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,235 0 0 0 0 0 3 0 1 0 0 0 55-59 1 \$0 \$0 \$0 \$0 \$0 \$3.690 \$0 \$2.472 \$0 \$0 \$0 \$2.859 60-64 0 0 0 0 0 2 0 0 0 2 1 12 \$0 \$0 \$0 \$0 \$0 \$4,568 \$3,249 \$0 \$0 \$4,044 \$2,400 \$0 \$3,209 0 0 0 2 0 65-69 10 2 29 \$0 \$0 \$0 \$3.510 \$0 \$2.885 \$2.090 \$1.252 \$775 \$0 \$2,556 0 0 0 2 70-74 0 0 0 3 2 5 0 1 17 \$0 \$0 \$0 \$0 \$0 \$0 \$3,001 \$2,076 \$2,596 \$1,909 \$1,713 \$0 \$2,098 75-79 0 0 0 0 0 2 0 6 0 0 21 \$0 \$0 \$0 \$0 \$0 \$2,839 \$0 \$2,072 \$2,303 \$1,701 \$0 \$0 \$2,104 0 0 0 0 0 80-84 1 0 0 3 3 15 \$0 \$0 \$0 \$0 \$0 \$0 \$2,783 \$2,015 \$1,510 \$1,054 \$0 \$1,943 85-89 0 0 0 0 0 0 0 3 1 0 1 11 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,048 \$1,137 \$889 \$1,679 90-94 0 0 0 0 0 0 0 5 1 0 1 0 12 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1.067 \$778 \$1,140 95 & Over 0 0 0 0 0 0 0 0 0 0 0 2 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$917 \$998 Total 2 1 15 8 21 23 16 24 13 11 138 \$2,955 \$2,282 \$3,584 \$3,368 \$2,221 \$1,667 \$2,741 \$2,308 \$1,037 \$823 \$2,241

Average: Age 72.5 Males 1
Years Retired 23.5 Females 137

*Monthly benefit omitted for privacy reasons.

Historical Data

				Historical D	ata							
(Dollars in millions)	20	12	20	11	20	010	20	09	20	08	200)7 ¹
PERS	Plan 1	Plan 2/3 ²										
Contribution Information												
Employer Rate	9.15%	9.15%	9.03%	9.03%	8.41%	8.41%	8.45%	8.45%	5.84%	5.84%	7.84%	7.84%
Employee Rate	6.00%	4.83%	6.00%	4.92%	6.00%	4.91%	6.00%	4.59%	6.00%	4.45%	6.00%	4.61%
Funded Status												
Projected Unit Credit Liability	\$12,368	\$20,347	\$12,567	\$18,815	\$12,531	\$17,272	\$13,945	\$15,701	\$13,915	\$14,065	\$13,705	\$12,418
Market Value of Assets	\$7,374	\$20,678	\$8,178	\$20,097	\$7,624	\$16,367	\$7,565	\$14,177	\$10,646	\$17,661	\$11,522	\$17,559
Actuarial Value of Assets	\$8,521	\$22,653	\$8,883	\$20,997	\$9,293	\$19,474	\$9,776	\$18,260	\$9,853	\$16,693	\$9,715	\$14,888
Unfunded Liability	\$3,847	(\$2,306)	\$3,684	(\$2,182)	\$3,238	(\$2,202)	\$4,169	(\$2,560)	\$4,062	(\$2,627)	\$3,990	(\$2,470)
Funded Ratio	68.9%	111.3%	70.7%	111.6%	74.2%	112.7%	70.1%	116.3%	70.8%	118.7%	70.9%	119.9%
Participant Data												
Number of Actives	6,635	143,955	7,733	144,684	9,007	147,519	10,354	148,881	11,663	150,005	12,975	145,047
Total Annual Salaries	\$371	\$8,193	\$432	\$8,148	\$507	\$8,206	\$580	\$8,132	\$639	\$7,869	\$676	\$7,157
Number of Terminated Vested	1,594	28,921	1,789	28,136	1,979	26,881	2,125	25,949	2,271	24,996	2,656	23,927
Number of Terminated, Not Vested	4,042	95,834	4,225	94,340	4,412	92,421	4,563	90,339	4,696	87,437	4,839	84,461
Number of Retirees and Beneficiaries	52,672	29,570	53,264	26,099	53,742	23,157	54,147	20,710	54,581	18,541	54,686	16,558
Total Annual Benefits	\$1,169	\$401	\$1,152	\$331	\$1,113	\$268	\$1,074	\$219	\$1,036	\$179	\$990	\$150
Assumptions												
Valuation Interest Rate	7.90%	7.90%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%		5.94%
Salary Increase	4.05%	4.99%	4.31%	5.35%	4.32%	5.48%	4.33%	5.57%	4.58%	5.81%	3.59%	4.48%
Inflation ³	3.00%	3.00%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%
Growth in Membership	0.95%	0.95%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	0.94%	0.94%
Actuarial Experience												
Return on Market Value	1.13%	1.42%	21.37%	21.16%	13.81%	13.13%	(23.16%)	(22.70%)	(1.08%)	(1.27%)	16.55%	16.63%
Return on Actuarial Value	6.25%	6.43%	6.36%	6.43%	4.71%	4.84%	6.63%	5.85%	9.62%	9.82%	7.87%	8.44%
Salary Increase	1.00%	2.00%	0.89%	1.93%	1.72%	2.66%	3.82%	4.72%	6.27%	8.46%	3.24%	4.40%
Inflation	3.17%	3.17%	0.78%	0.78%	0.44%	0.44%	4.48%	4.48%	3.79%	3.79%	3.73%	3.73%
Growth in Membership	(1.20%)	(1.20%)	(2.63%)	(2.63%)	(3.18%)	(3.18%)	(1.50%)	(1.50%)	2.31%	2.31%	1.93%	1.93%
COLA ⁴	\$2.00	3.00%	\$1.94	0.78%-3%	\$1.88	0.44%-3%	\$1.83	3.00%	\$1.73	3.00%	\$1.33	3.00%

				Historical Da (Continued								
(Dollars in millions)	20	12	20	11	20)10	20	09	20	08	200)7 ¹
TRS	Plan 1	Plan 2/3 ²	Plan 1	Plan 2/3 ²	Plan 1	Plan 2/3 ²	Plan 1	Plan 2/3 ²	Plan 1	Plan 2/3 ²	Plan 1	Plan 2/3 ²
Contribution Information												
Employer Rate	10.68%	10.68%	10.21%	10.21%	9.18%	9.18%	11.95%	11.95%	6.77%	6.77%	10.79%	10.79%
Employee Rate	6.00%	4.95%	6.00%	4.96%	6.00%	4.80%	6.00%	4.68%	6.00%	3.96%	6.00%	4.93%
Funded Status												
Projected Unit Credit Liability	\$9,058	\$6,799	\$9,258	\$6,299	\$9,231	\$5,708	\$10,838	\$5,213	\$10,794	\$4,529	\$10,854	\$4,048
Market Value of Assets	\$6,189	\$7,087	\$6,902	\$6,839	\$6,402	\$5,547	\$6,312	\$4,789	\$8,936	\$6,035	\$9,733	\$6,190
Actuarial Value of Assets	\$7,145	\$7,758	\$7,485	\$7,141	\$7,791	\$6,593	\$8,146	\$6,160	\$8,262	\$5,681	\$8,302	\$5,277
Unfunded Liability	\$1,914	(\$959)	\$1,773	(\$842)	\$1,439	(\$886)	\$2,692	(\$947)	\$2,532	(\$1,152)	\$2,552	(\$1,229)
Funded Ratio	78.9%	114.1%	80.8%	113.4%	84.4%	115.5%	75.2%	118.2%	76.5%	125.4%	76.5%	130.4%
Participant Data												
Number of Actives	3,019	62,338	3,740	62,463	4,591	61,734	5,204	62,184	6,061	60,463	6,331	58,608
Total Annual Salaries	\$229	\$4,077	\$284	\$4,085	\$344	\$3,966	\$389	\$3,957	\$432	\$3,621	\$426	\$3,318
Number of Terminated Vested	477	9,068	581	8,623	700	8,249	841	7,817	959	7,739	2,036	7,392
Number of Terminated, Not Vested	505	4,626	530	4,288	558	4,018	590	3,804	615	3,585	639	3,486
Number of Retirees and Beneficiaries	36,054	6,864	36,118	5,591	36,015	4,555	36,032	3,895	35,879	3,271	35,384	2,707
Total Annual Benefits	\$877	\$94	\$864	\$74	\$830	\$57	\$805	\$46	\$774	\$37	\$736	\$29
Assumptions												
Valuation Interest Rate	7.90%	7.90%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	5.94%	5.94%
Salary Increase	3.95%	5.33%	4.21%	5.62%	4.21%	5.76%	4.22%	5.84%	4.49%	6.14%	4.74%	6.35%
Inflation ³	3.00%	3.00%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%
Growth in Membership	0.80%	0.80%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.67%	0.67%
Actuarial Experience												
Return on Market Value	1.14%	1.43%	21.35%	21.17%	13.71%	13.11%	(23.15%)	(22.79%)	(1.06%)	(1.20%)	16.56%	16.64%
Return on Actuarial Value	6.28%	6.46%	6.39%	6.47%	4.74%	4.90%	6.66%	5.94%	8.33%	9.28%	6.53%	7.72%
Salary Increase	(0.43%)	0.54%	1.53%	2.44%	0.41%	1.14%	5.43%	6.80%	5.92%	6.49%	4.41%	6.05%
Inflation	3.17%	3.17%	0.78%	0.78%	0.44%	0.44%	4.48%	4.48%	3.79%	3.79%	3.73%	3.73%
Growth in Membership	(1.28%)	(1.28%)	(0.18%)	(0.18%)	(0.30%)	(0.30%)	1.30%	1.30%	2.44%	2.44%	(4.13%)	(4.13%)
COLA⁴	\$2.00	3.00%	\$1.94	0.78%-3%	\$1.88	0.44%-3%	\$1.83	3.00%	\$1.73	3.00%	\$1.33	3.00%

				Historical D								
(Dollars in millions)	20	12	20	11	20	10	20	09	20	08	200)7 ¹
SERS	Plan 1	Plan 2/3 ²										
Contribution Information												
Employer Rate	N/A	9.80%	N/A	9.64%	N/A	8.76%	N/A	8.83%	N/A	5.79%	N/A	8.12%
Employee Rate	N/A	4.59%	N/A	4.64%	N/A	4.37%	N/A	4.08%	N/A	3.51%	N/A	4.00%
Funded Status												
Projected Unit Credit Liability	N/A	\$2,820	N/A	\$2,607	N/A	\$2,368	N/A	\$2,163	N/A	\$1,906	N/A	\$1,691
Market Value of Assets	N/A	\$2,827	N/A	\$2,746	N/A	\$2,237	N/A	\$1,944	N/A	\$2,443	N/A	\$2,512
Actuarial Value of Assets	N/A	\$3,100	N/A	\$2,872	N/A	\$2,664	N/A	\$2,503	N/A	\$2,303	N/A	\$2,133
Unfunded Liability	N/A	(\$280)	N/A	(\$265)	N/A	(\$296)	N/A	(\$340)	N/A	(\$397)	N/A	(\$443)
Funded Ratio	N/A	109.9%	N/A	110.2%	N/A	112.5%	N/A	115.7%	N/A	120.8%	N/A	126.2%
Participant Data												
Number of Actives	N/A	51,558	N/A	52,332	N/A	52,339	N/A	52,474	N/A	51,774	N/A	50,825
Total Annual Salaries	N/A	\$1,479	N/A	\$1,490	N/A	\$1,475	N/A	\$1,467	N/A	\$1,380	N/A	\$1,283
Number of Terminated Vested	N/A	10,920	N/A	10,262	N/A	9,700	N/A	9,193	N/A	8,600	N/A	7,674
Number of Terminated, Not Vested	N/A	8,143	N/A	7,317	N/A	6,668	N/A	5,976	N/A	5,383	N/A	4,906
Number of Retirees and Beneficiaries	N/A	7,651	N/A	6,428	N/A	5,384	N/A	4,629	N/A	3,873	N/A	3,141
Total Annual Benefits	N/A	\$54	N/A	\$44	N/A	\$35	N/A	\$29	N/A	\$23	N/A	\$18
Assumptions												
Valuation Interest Rate	N/A	7.90%	N/A	8.00%	N/A	8.00%	N/A	8.00%	N/A	8.00%	N/A	5.94%
Salary Increase	N/A	5.07%	N/A	5.37%	N/A	5.50%	N/A	5.59%	N/A	5.84%	N/A	5.90%
Inflation ³	N/A	3.00%	N/A	3.50%								
Growth in Membership	N/A	0.95%	N/A	1.25%	N/A	1.25%	N/A	1.25%	N/A	1.25%	N/A	0.94%
Actuarial Experience												
Return on Market Value	N/A	1.42%	N/A	21.19%	N/A	13.14%	N/A	(22.85%)	N/A	(1.26%)	N/A	16.62%
Return on Actuarial Value	N/A	6.42%	N/A	6.42%	N/A	4.87%	N/A	5.99%	N/A	9.85%	N/A	8.32%
Salary Increase	N/A	2.26%	N/A	3.02%	N/A	2.47%	N/A	7.27%	N/A	8.34%	N/A	5.13%
Inflation	N/A	3.17%	N/A	0.78%	N/A	0.44%	N/A	4.48%	N/A	3.79%	N/A	3.73%
Growth in Membership	N/A	(1.48%)	N/A	(0.01%)	N/A	1.09%	N/A	1.35%	N/A	1.87%	N/A	0.01%
COLA ⁴	N/A	3.00%	N/A	0.78%-3%	N/A	0.44%-3%	N/A	3.00%	N/A	3.00%	N/A	3.00%

Historical Data (Continued)												
(Dollars in millions)	201	2	20	11	20	10	20	09	200)8	200	71
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	10.28%	N/A	10.22%	N/A	9.71%	N/A	10.11%	N/A	7.73%	N/A	10.06%
Employee Rate	N/A	6.07%	N/A	6.22%	N/A	6.32%	N/A	6.36%	N/A	6.45%	N/A	6.94%
Funded Status												
Projected Unit Credit Liability	N/A	\$135	N/A	\$107	N/A	\$80	N/A	\$54	N/A	\$30	N/A	\$11
Market Value of Assets	N/A	\$174	N/A	\$143	N/A	\$93	N/A	\$56	N/A	\$37	N/A	\$14
Actuarial Value of Assets	N/A	\$180	N/A	\$141	N/A	\$103	N/A	\$69	N/A	\$39	N/A	\$14
Unfunded Liability	N/A	(\$45)	N/A	(\$34)	N/A	(\$23)	N/A	(\$15)	N/A	(\$8)	N/A	(\$2)
Funded Ratio	N/A	133.6%	N/A	131.7%	N/A	128.5%	N/A	128.1%	N/A	127.4%	N/A	120.0%
Participant Data												
Number of Actives	N/A	4,250	N/A	4,187	N/A	4,210	N/A	4,340	N/A	3,981	N/A	2,755
Total Annual Salaries	N/A	\$238	N/A	\$233	N/A	\$227	N/A	\$223	N/A	\$200	N/A	\$134
Number of Terminated Vested	N/A	60	N/A	1	N/A	0	N/A	0	N/A	0	N/A	0
Number of Terminated, Not Vested	N/A	1,329	N/A	1,210	N/A	1,075	N/A	762	N/A	397	N/A	135
Number of Retirees and Beneficiaries	N/A	27	N/A	15	N/A	7	N/A	2	N/A	1	N/A	0
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	8.00%	N/A	8.00%	N/A	8.00%	N/A	8.00%	N/A	5.94%
Salary Increase	N/A	5.78%	N/A	6.39%	N/A	6.83%	N/A	7.02%	N/A	6.65%	N/A	4.53%
Inflation ³	N/A	3.00%	N/A	3.50%	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	1.25%	N/A	1.25%	N/A	1.25%	N/A	1.25%	N/A	0.94%
Actuarial Experience												
Return on Market Value	N/A	1.80%	N/A	20.35%	N/A	10.82%	N/A	(19.25%)	N/A	(3.73%)	N/A	13.37%
Return on Actuarial Value	N/A	7.22%	N/A	7.38%	N/A	4.91%	N/A	3.69%	N/A	6.64%	N/A	6.48%
Salary Increase	N/A	2.16%	N/A	3.28%	N/A	4.63%	N/A	4.86%	N/A	12.52%	N/A	4.82%
Inflation	N/A	3.17%	N/A	0.78%	N/A	0.44%	N/A	4.48%	N/A	3.79%	N/A	3.73%
Growth in Membership	N/A	1.50%	N/A	(0.55%)	N/A	5.75%	N/A	9.02%	N/A	44.50%	N/A	32.90%
COLA⁴	N/A	3.00%	N/A	0.78%-3%	N/A	0.44%-3%	N/A	3.00%	N/A	3.00%	N/A	3.00%

Historical Data (Continued)												
(Dollars in millions)	2012 2011 2010 ⁵		20	2009 2008		08	2007 ¹					
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%	4.64%	0.00%	4.54%	0.00%	4.54%	0.00%	4.44%	0.00%	4.34%	0.00%	4.56%
State Rate	0.00%	3.10%	0.00%	3.03%	0.00%	3.03%	0.00%	2.96%	0.00%	2.89%	0.00%	3.04%
Employee Rate	0.00%	7.74%	0.00%	7.57%	0.00%	7.57%	0.00%	7.40%	0.00%	7.23%	0.00%	7.60%
Funded Status												
Projected Unit Credit Liability	\$4,121	\$6,071	\$4,135	\$5,576	\$4,381	\$5,078	\$4,477	\$4,349	\$4,354	\$3,786	\$4,323	\$3,386
Market Value of Assets	\$4,903	\$6,640	\$5,185	\$6,366	\$4,585	\$5,081	\$4,355	\$4,309	\$6,035	\$5,315	\$6,416	\$5,185
Actuarial Value of Assets	\$5,562	\$7,222	\$5,565	\$6,621	\$5,561	\$6,043	\$5,612	\$5,564	\$5,592	\$5,053	\$5,298	\$4,360
Unfunded Liability	(\$1,440)	(\$1,150)	(\$1,430)	(\$1,044)	(\$1,180)	(\$965)	(\$1,135)	(\$1,215)	(\$1,238)	(\$1,266)	(\$975)	(\$974)
Funded Ratio	134.9%	118.9%	134.6%	118.7%	126.9%	119.0%	125.4%	127.9%	128.4%	133.4%	122.5%	128.8%
Participant Data												
Number of Actives	186	16,720	250	16,805	301	16,775	356	16,951	421	16,626	513	16,099
Total Annual Salaries	\$19	\$1,560	\$25	\$1,535	\$29	\$1,490	\$33	\$1,443	\$37	\$1,345	\$43	\$1,234
Number of Terminated Vested	0	689	1	655	1	781	2	672	1	649	4	629
Number of Terminated, Not Vested	41	1,558	44	1,617	46	1,707	54	1,663	55	1,531	56	1,433
Number of Retirees and Beneficiaries	7,845	2,344	7,932	2,015	8,008	1,639	8,087	1,367	8,134	1,134	8,161	924
Total Annual Benefits	\$350	\$82	\$340	\$65	\$339	\$49	\$338	\$38	\$322	\$29	\$309	\$22
Assumptions												
Valuation Interest Rate	7.90%	7.50%	8.00%	7.50%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	5.94%	5.94%
Salary Increase	3.75%	5.43%	4.00%	5.61%	4.01%	6.55%	4.01%	6.61%	4.26%	6.61%	4.39%	5.49%
Inflation ³	3.00%	3.00%	3.50%	3.00%	3.50%	3.50%	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%	0.94%	0.94%
Actuarial Experience												
Return on Market Value	1.23%	1.45%	21.29%	21.08%	13.59%	12.99%	(23.14%)	(22.64%)	(1.11%)	(1.33%)	16.59%	16.61%
Return on Actuarial Value	6.28%	6.25%	6.35%	6.15%	5.24%	4.84%	6.38%	5.72%	11.82%	11.04%	10.38%	10.03%
Salary Increase	1.48%	3.22%	1.31%	3.48%	3.45%	5.35%	5.27%	6.69%	4.66%	7.65%	3.13%	4.31%
Inflation	3.17%	3.17%	0.78%	0.78%	0.44%	0.44%	4.48%	4.48%	3.79%	3.79%	3.73%	3.73%
Growth in Membership	(0.87%)	(0.87%)	(0.12%)	(0.12%)	0.17%	0.17%	1.53%	1.53%	2.62%	2.62%	1.83%	1.83%
COLA ⁴	3.17%	3.00%	0.78%	0.78%-3%	0.44%	0.44%-3%	4.48%	3.00%	3.79%	3.00%	3.73%	3.00%

				Historical D								
(Dollars in millions)	201	2	201	11	201	0	200	09	20	08	200	7 ¹
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	7.76%	7.76%	7.63%	7.63%	7.71%	7.71%	7.93%	7.93%	6.27%	6.27%	8.57%	8.57%
Employee Rate	6.44%	6.44%	6.31%	6.31%	6.39%	6.39%	6.61%	6.61%	4.95%	4.95%	6.95%	6.95%
Funded Status												
Projected Unit Credit Liability	\$859	N/A	\$829	N/A	\$782	N/A	\$759	N/A	\$719	N/A	\$679	N/A
Market Value of Assets	\$879	N/A	\$895	N/A	\$764	N/A	\$698	N/A	\$932	N/A	\$964	N/A
Actuarial Value of Assets	\$982	N/A	\$949	N/A	\$920	N/A	\$900	N/A	\$870	N/A	\$800	N/A
Unfunded Liability	(\$123)	N/A	(\$120)	N/A	(\$137)	N/A	(\$142)	N/A	(\$150)	N/A	(\$121)	N/A
Funded Ratio	114.3%	N/A	114.5%	N/A	117.5%	N/A	118.7%	N/A	120.9%	N/A	117.9%	N/A
Participant Data												
Number of Actives	712	354	767	315	806	281	830	264	851	234	885	152
Total Annual Salaries	\$57	\$23	\$61	\$20	\$65	\$18	\$67	\$17	\$65	\$13	\$64	\$8
Number of Terminated Vested	71	8	66	6	66	6	69	4	61	2	55	1
Number of Terminated, Not Vested	18	13	19	11	20	8	22	10	22	7	23	4
Number of Disabled Members ⁶	49	0	51	0	53	0	53	0	55	0	57	0
Number of Retirees and Beneficiaries	915	0	875	0	851	0	834	0	831	0	821	0
Total Annual Benefits	\$41	\$0	\$39	\$0	\$37	\$0	\$35	\$0	\$33	\$0	\$32	\$0
Assumptions												
Valuation Interest Rate	7.90%	N/A	8.00%	N/A	8.00%	N/A	8.00%	N/A	8.00%	N/A	5.94%	N/A
Salary Increase	5.01%	N/A	5.22%	N/A	5.26%	N/A	5.35%	N/A	5.47%	N/A	4.70%	N/A
Inflation ³	3.00%	N/A	3.50%	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	1.25%	N/A	1.25%	N/A	1.25%	N/A	1.25%	N/A	0.94%	N/A
Actuarial Experience												
Return on Market Value	1.31%	N/A	21.23%	N/A	13.39%	N/A	(22.98%)	N/A	(1.17%)	N/A	16.61%	N/A
Return on Actuarial Value	6.34%	N/A	6.38%	N/A	5.07%	N/A	6.18%	N/A	11.60%	N/A	10.30%	N/A
Salary Increase	2.33%	N/A	1.20%	N/A	1.23%	N/A	5.86%	N/A	7.86%	N/A	3.80%	N/A
Inflation	3.17%	N/A	0.78%	N/A	0.44%	N/A	4.48%	N/A	3.79%	N/A	3.73%	N/A
Growth in Membership	(1.60%)	N/A	(1.21%)	N/A	0.18%	N/A	0.83%	N/A	4.63%	N/A	1.47%	N/A
COLA ⁴	3.00%	N/A	0.78%-3%	N/A	0.44%-3%	N/A	3.00%	N/A	3.00%	N/A	3.00%	N/A

Footnotes for Historical Data Section

¹For the 2007 valuation, the salary, interest, and growth rates were not annualized. They reflect the actual valuation period of nine months.

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

³Based on the assumption for prior year's CPI: Urban Wage Earners & Clerical Workers, Seattle- Tacoma-Bremerton, WA - All Items.

⁴Eligible 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.

⁵LEOFF 2 values for 2010 were updated after the 2010 Actuarial Valuation Report was published.

⁶WSPRS Disability Benefits for members are provided outside of pension funds.

Glossary

(See also the Glossary on our website.)

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 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

The ratio of a plan's current assets to the present value of earned pensions. Actuaries use several methods to measure a plan's assets and liabilities.

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.

Present Value of Fully Projected 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> (<u>UAAL</u>)

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.





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