



2012 Actuarial Valuation  
August 2013





## Office of the State Actuary

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$$2 \left[ \frac{E^3}{3} - \frac{1}{E^2+1} \right] + C =$$

$$= \left[ \frac{x^3}{3} + \sqrt{x^2+1} \cdot \ln |\sqrt{x^2+1} + 1| \right] + C$$

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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.

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](mailto:state.actuary@leg.wa.gov). We also invite you to visit our website ([osa.leg.wa.gov](http://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

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$$\rho(x) = -G(-x^2)/[xH(-x^2)].$$
$$-\rho\theta - \alpha_0 \leq \pi/2 + 2\pi k, \quad \rho = 2\gamma_0 + (1/2)[\text{sg } A_1 + \text{sg } A_2]$$
$$\rho^2 > \sum_{j=0,1,2,\dots}^n A_j \rho^j, \quad -\pi/2 + 2\pi k \leq \rho\theta - \alpha$$
$$2\gamma_0 = (1/2)[1 - \text{sg } A_1]$$
$$\Delta_L \arg f(z) = (\pi/2)(S_1 + S_2)$$
$$G(u) = \prod_{k=1}^{\infty} (u + u_k) G_0(u), \quad G_0(u) = \prod_{k=1}^{\infty} (u + 1/k^2)$$
$$G(u) = (\pi/2)(S_1 + S_2)$$



## 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 rate-setting 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   |
| <b>PERS</b>      |                    |        |          |        |
| Member*          | 6.00%              | 6.00%  | 4.83%    | 4.92%  |
| Total Employer   | 9.15%              | 9.03%  | 9.15%    | 9.03%  |
| <b>TRS</b>       |                    |        |          |        |
| Member*          | 6.00%              | 6.00%  | 4.95%    | 4.96%  |
| Total Employer   | 10.68%             | 10.21% | 10.68%   | 10.21% |
| <b>SERS</b>      |                    |        |          |        |
| Member*          | N/A                | N/A    | 4.59%    | 4.64%  |
| Total Employer   | N/A                | N/A    | 9.80%    | 9.64%  |
| <b>PSERS</b>     |                    |        |          |        |
| Member           | N/A                | N/A    | 6.07%    | 6.22%  |
| Total Employer   | N/A                | N/A    | 10.28%   | 10.22% |
| <b>LEOFF</b>     |                    |        |          |        |
| 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%  |
| <b>WSPRS</b>     |                    |        |          |        |
| 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.*

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

## Contribution Rate-Setting Cycle

Under current Washington State law, in July of even-numbered years, the 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 rate-setting cycle.

## Funding Policy

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

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

- ◆ Provide a dependable and systematic process for funding the benefits to members and retirees of the Washington State Retirement Systems.
- ◆ Fully fund the retirement system Plans 2 and 3, and Washington State Patrol Retirement System (WSPRS), as provided by law.
- ◆ Fully amortize the total cost of LEOFF Plan 1 not later than June 30, 2024.
- ◆ Fully amortize the Unfunded Actuarial Accrued Liability (UAAL) in PERS Plan 1 and TRS Plan 1 within a rolling ten-year period using methods and assumptions that balance needs for increased benefit security, decreased contribution rate volatility, and affordability of pension contribution rates.

- ◆ Establish long-term employer contribution rates that will remain a relatively predictable proportion of future state budgets.
- ◆ Fund, to the extent feasible, all benefits for 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      |
| <b>All Systems</b>                         |           |           |
| 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%     |

\*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     |
| <b>All Systems</b>          |          |          |
| 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%   |

\*Employee and Employer.

\*\*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.

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

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     |
| <b>All Systems</b>                          |          |          |
| 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     |
| <b>Active Members</b>             |          |          |
| 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     |
| <b>Retirees and Beneficiaries</b> |          |          |
| Number                            | 143,942  | 138,337  |
| Average Annual Benefit            | \$21,321 | \$21,023 |
| <b>Terminated Members</b>         |          |          |
| 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.





Summary of Key Results

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## Office of the State Actuary

*“Securing tomorrow’s pensions today.”*

**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 [LEOFF 2 website](#).

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

# Contribution Rates

| Member and Employer Rate Summary |        |        |          |        |
|----------------------------------|--------|--------|----------|--------|
|                                  | Plan 1 |        | Plan 2/3 |        |
|                                  | 2012   | 2011   | 2012     | 2011   |
| <b>PERS</b>                      |        |        |          |        |
| 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%  |
| <b>TRS</b>                       |        |        |          |        |
| 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% |
| <b>SERS</b>                      |        |        |          |        |
| 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%  |
| <b>PSERS</b>                     |        |        |          |        |
| 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% |
| <b>LEOFF</b>                     |        |        |          |        |
| 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%  |
| <b>WSPRS</b>                     |        |        |          |        |
| 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 |              |              |               |               |              |               |              |              |              |
|--|--------------|--------------|---------------|---------------|--------------|---------------|--------------|--------------|--------------|
|  | PERS         |              | TRS           |               | SERS         | PSERS         | LEOFF        |              | 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)**           | <b>9.15%</b> | <b>9.15%</b> | <b>10.68%</b> | <b>10.68%</b> | <b>9.80%</b> | <b>10.28%</b> | <b>0.00%</b> | <b>4.64%</b> | <b>7.76%</b> |

Employer rates exclude administrative expense rate.

\*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%.

| TRS Plan 2 Maximum Member Contribution 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 L 08 | 8.63%   |
| 2006   | 7.76%     | 0.79%        | C 50 L 07  | 8.55%   |
| 2005   | 7.75%     | 0.01%        | C 33 L 06  | 7.76%   |
| 2004   | 7.75%     | 0.00%        | N/A        | 7.75%   |
| 2003   | 7.75%     | 0.00%        | N/A        | 7.75%   |
| 2002   | 7.75%     | 0.00%        | N/A        | 7.75%   |
| 2001   | 7.75%     | 0.00%        | N/A        | 7.75%   |
| 2000   | 7.75%     | 0.00%        | N/A        | 7.75%   |
| 1999   | 6.59%     | 1.16%        | C 247 L 00 | 7.75%   |
| 1998   | 6.59%     | 0.00%        | N/A        | 6.59%   |
| 1997   | N/A       | N/A          | N/A        | 6.59%   |

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

| WSPRS Plan 1/2 Maximum Member Contribution Rates |           |              |            |         |
|--|-----------|--------------|------------|---------|
| 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 original maximum contribution rate of 7% was decreased by 0.05% for C 87 L 07.

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

Development of Normal Cost Rates

| (Dollars in Millions)   | PERS 2/3     | TRS 2/3       | SERS 2/3      | PSERS 2       | LEOFF 2       | WSPRS         |
|---|--------------|---------------|---------------|---------------|---------------|---------------|
| <b>1. Calculation of Member Normal Cost Rate</b>                    |              |               |               |               |               |               |
| 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          |
| <b>Present Value of Projected Salaries to Current Members (PVS)</b> |              |               |               |               |               |               |
| 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%         |
| l. Employee Minimum Contribution Rate                               | 3.96%        | 4.95%         | 4.22%         | 5.51%         | 7.74%         | 6.44%         |
| m. Prior Year Employee Maximum Contribution Rate <sup>1</sup>       | 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%         |
| o. 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) <sup>2</sup>                  | 4.83%        | 4.95%         | 4.59%         | 6.07%         | 7.74%         | 6.44%         |
| <b>2. Calculation of Employer Normal Cost Rate</b>                  |              |               |               |               |               |               |
| 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          |
| <b>Present Value of Projected Salaries to Current Members (PVS)</b> |              |               |               |               |               |               |
| 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%         |
| l. 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 Rate <sup>1</sup>                                | N/A          | 0.00%         | N/A           | N/A           | N/A           | 0.00%         |
| o. Rate to Amortize Past Liability Balance <sup>3</sup>             | 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%         |
| <b>3. Normal Cost Rates Adopted for 2013-15<sup>4</sup></b>         |              |               |               |               |               |               |
| a. Employee Contribution Rate <sup>5</sup>                          | 4.92%        | 4.96%         | 4.64%         | 6.36%         | 8.41%         | 6.59%         |
| b. Employer Contribution Rate <sup>5</sup>                          | 5.03%        | 5.73%         | 5.64%         | 6.36%         | 5.05%         | 7.91%         |
| c. State Contribution Rate <sup>5</sup>                             | N/A          | N/A           | N/A           | N/A           | 3.36%         | N/A           |
| d. Total Contribution Rate (a + b + c)                              | <b>9.95%</b> | <b>10.69%</b> | <b>10.28%</b> | <b>12.72%</b> | <b>16.82%</b> | <b>14.50%</b> |

Note: Totals may not agree due to rounding.

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

<sup>2</sup> Plan 3 members do not contribute to the defined benefit plan.

<sup>3</sup> WSPRS liability is attributable to past costs for improved survivor benefits. PERS, TRS, and SERS liability is attributable to past Plan 3 gain-sharing.

<sup>4</sup> LEOFF 2 rates adopted by LEOFF 2 Board; all others adopted by PFC.

<sup>5</sup> LEOFF 2 rate: 50% Employee, 30% Employer, 20% State.



| <b>Amortization of the Plan 1 Unfunded Actuarial Accrued Liability (UAAL)</b> |               |              |                |
|---|---------------|--------------|----------------|
| <i>(Dollars in Millions)</i>  | <b>PERS 1</b> | <b>TRS 1</b> | <b>LEOFF 1</b> |
| 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        |
| c. 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%)       |
| l. 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%)       |
| o. 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%)       |
| <b>Plan 1 UAAL Contribution Rates Adopted by PFC</b>                          |               |              |                |
| Contribution Rate Adopted for 2013-15   | 4.00%         | 4.48%        | 0.00%          |

Note: Totals may not agree due to rounding.

\*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

| Present Value of Fully Projected 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           |                |
| <b>Active Members</b>                     |                 |                 |                 |                |                 |                 |                |              |                |                |                 |                |
| 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              |
| <b>Total Active</b>                       | <b>\$1,829</b>  | <b>\$22,086</b> | <b>\$23,915</b> | <b>\$1,159</b> | <b>\$8,409</b>  | <b>\$9,567</b>  | <b>\$2,875</b> | <b>\$479</b> | <b>\$186</b>   | <b>\$7,774</b> | <b>\$7,961</b>  | <b>\$443</b>   |
| <b>Inactive Members</b>                   |                 |                 |                 |                |                 |                 |                |              |                |                |                 |                |
| 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             |
| <b>Total Inactive</b>                     | <b>\$10,686</b> | <b>\$6,710</b>  | <b>\$17,396</b> | <b>\$7,952</b> | <b>\$1,832</b>  | <b>\$9,784</b>  | <b>\$1,018</b> | <b>\$9</b>   | <b>\$3,946</b> | <b>\$1,428</b> | <b>\$5,374</b>  | <b>\$576</b>   |
| <b>Laws of 2013</b>                       | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>       | <b>0</b>        | <b>0</b>        | <b>0</b>       | <b>0</b>     | <b>0</b>       | <b>1</b>       | <b>1</b>        | <b>0</b>       |
| <b>2012 Total</b>                         | <b>\$12,514</b> | <b>\$28,796</b> | <b>\$41,311</b> | <b>\$9,111</b> | <b>\$10,240</b> | <b>\$19,351</b> | <b>\$3,893</b> | <b>\$488</b> | <b>\$4,132</b> | <b>\$9,203</b> | <b>\$13,335</b> | <b>\$1,019</b> |
| <b>2011 Total</b>                         | <b>\$12,722</b> | <b>\$27,336</b> | <b>\$40,058</b> | <b>\$9,313</b> | <b>\$9,762</b>  | <b>\$19,075</b> | <b>\$3,696</b> | <b>\$455</b> | <b>\$4,150</b> | <b>\$8,720</b> | <b>\$12,870</b> | <b>\$994</b>   |

Note: Totals may not agree due to rounding.

| Present Value of Accrued (Earned) 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           |              |
| <b>Active Members</b>                       |                 |                 |                 |                |                |                 |                |              |                |                |                 |              |
| 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            |
| <b>Total Active</b>                         | <b>\$1,682</b>  | <b>\$13,636</b> | <b>\$15,318</b> | <b>\$1,106</b> | <b>\$4,967</b> | <b>\$6,073</b>  | <b>\$1,802</b> | <b>\$126</b> | <b>\$176</b>   | <b>\$4,643</b> | <b>\$4,819</b>  | <b>\$282</b> |
| <b>Inactive Members</b>                     |                 |                 |                 |                |                |                 |                |              |                |                |                 |              |
| 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           |
| <b>Total Inactive</b>                       | <b>\$10,686</b> | <b>\$6,710</b>  | <b>\$17,396</b> | <b>\$7,952</b> | <b>\$1,832</b> | <b>\$9,784</b>  | <b>\$1,018</b> | <b>\$9</b>   | <b>\$3,946</b> | <b>\$1,428</b> | <b>\$5,374</b>  | <b>\$576</b> |
| <b>Laws of 2013</b>                         | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>       | <b>0</b>       | <b>0</b>        | <b>0</b>       | <b>0</b>     | <b>0</b>       | <b>1</b>       | <b>1</b>        | <b>0</b>     |
| <b>2012 Total</b>                           | <b>\$12,368</b> | <b>\$20,347</b> | <b>\$32,714</b> | <b>\$9,058</b> | <b>\$6,799</b> | <b>\$15,857</b> | <b>\$2,820</b> | <b>\$135</b> | <b>\$4,121</b> | <b>\$6,071</b> | <b>\$10,193</b> | <b>\$859</b> |
| <b>2011 Total</b>                           | <b>\$12,567</b> | <b>\$18,815</b> | <b>\$31,382</b> | <b>\$9,258</b> | <b>\$6,299</b> | <b>\$15,557</b> | <b>\$2,607</b> | <b>\$107</b> | <b>\$4,135</b> | <b>\$5,576</b> | <b>\$9,711</b>  | <b>\$829</b> |

Note: Totals may not agree due to rounding.

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

| Fully Projected Benefit Payments |              |               |      |              |               |      |              |               |      |                 |                 |
|----------------------------------|--------------|---------------|------|--------------|---------------|------|--------------|---------------|------|-----------------|-----------------|
| PERS - Plan 1                    |              |               |      |              |               |      |              |               |      |                 |                 |
| (Dollars in Millions)            | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value    | Present 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             |
| <b>Total</b>                     |              |               |      |              |               |      |              |               |      | <b>\$27,952</b> | <b>\$12,514</b> |

| Fully Projected Benefit Payments |              |               |      |              |               |      |              |               |      |                  |                 |
|----------------------------------|--------------|---------------|------|--------------|---------------|------|--------------|---------------|------|------------------|-----------------|
| PERS - Plan 2/3                  |              |               |      |              |               |      |              |               |      |                  |                 |
| (Dollars in Millions)            | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value     | Present 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             |
| <b>Total</b>                     |              |               |      |              |               |      |              |               |      | <b>\$188,840</b> | <b>\$28,796</b> |

| Fully Projected Benefit Payments |              |               |      |              |               |      |              |               |      |              |                 |                |
|----------------------------------|--------------|---------------|------|--------------|---------------|------|--------------|---------------|------|--------------|-----------------|----------------|
| TRS - Plan 1                     |              |               |      |              |               |      |              |               |      |              |                 |                |
| (Dollars in Millions)            | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value | Present 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             |                |
|                                  |              |               |      |              |               |      |              |               |      | <b>Total</b> | <b>\$20,249</b> | <b>\$9,111</b> |

| Fully Projected Benefit Payments |              |               |      |              |               |      |              |               |      |                 |                 |
|----------------------------------|--------------|---------------|------|--------------|---------------|------|--------------|---------------|------|-----------------|-----------------|
| TRS - Plan 2/3                   |              |               |      |              |               |      |              |               |      |                 |                 |
| (Dollars in Millions)            | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value    | Present Value   |
| 2012                             | \$138        | \$132         | 2037 | 1,780        | 256           | 2062 | \$1,537      | \$33          | 2087 | 41              | 0               |
| 2013                             | 164          | 147           | 2038 | 1,855        | 247           | 2063 | 1,454        | 29            | 2088 | 31              | 0               |
| 2014                             | 209          | 173           | 2039 | 1,932        | 239           | 2064 | 1,369        | 25            | 2089 | 23              | 0               |
| 2015                             | 257          | 197           | 2040 | 2,023        | 232           | 2065 | 1,283        | 22            | 2090 | 16              | 0               |
| 2016                             | 306          | 217           | 2041 | 2,089        | 222           | 2066 | 1,197        | 19            | 2091 | 12              | 0               |
| 2017                             | 358          | 236           | 2042 | 2,151        | 212           | 2067 | 1,110        | 16            | 2092 | 8               | 0               |
| 2018                             | 412          | 251           | 2043 | 2,204        | 201           | 2068 | 1,024        | 14            | 2093 | 6               | 0               |
| 2019                             | 467          | 264           | 2044 | 2,249        | 190           | 2069 | 938          | 12            | 2094 | 4               | 0               |
| 2020                             | 525          | 275           | 2045 | 2,291        | 179           | 2070 | 854          | 10            | 2095 | 2               | 0               |
| 2021                             | 586          | 284           | 2046 | 2,303        | 167           | 2071 | 772          | 8             | 2096 | 1               | 0               |
| 2022                             | 647          | 291           | 2047 | 2,305        | 155           | 2072 | 693          | 7             | 2097 | 0               | 0               |
| 2023                             | 709          | 296           | 2048 | 2,302        | 143           | 2073 | 617          | 6             | 2098 | 0               | 0               |
| 2024                             | 772          | 298           | 2049 | 2,289        | 132           | 2074 | 545          | 5             | 2099 | 0               | 0               |
| 2025                             | 841          | 301           | 2050 | 2,266        | 121           | 2075 | 476          | 4             | 2100 | 0               | 0               |
| 2026                             | 915          | 304           | 2051 | 2,234        | 111           | 2076 | 413          | 3             | 2101 | 0               | 0               |
| 2027                             | 986          | 303           | 2052 | 2,195        | 101           | 2077 | 354          | 2             | 2102 | 0               | 0               |
| 2028                             | 1,056        | 301           | 2053 | 2,149        | 92            | 2078 | 300          | 2             | 2103 | 0               | 0               |
| 2029                             | 1,134        | 300           | 2054 | 2,096        | 83            | 2079 | 252          | 1             | 2104 | 0               | 0               |
| 2030                             | 1,210        | 296           | 2055 | 2,039        | 75            | 2080 | 209          | 1             | 2105 | 0               | 0               |
| 2031                             | 1,291        | 293           | 2056 | 1,978        | 67            | 2081 | 171          | 1             | 2106 | 0               | 0               |
| 2032                             | 1,377        | 290           | 2057 | 1,913        | 60            | 2082 | 139          | 1             | 2107 | 0               | 0               |
| 2033                             | 1,452        | 283           | 2058 | 1,844        | 54            | 2083 | 112          | 0             | 2108 | 0               | 0               |
| 2034                             | 1,536        | 278           | 2059 | 1,772        | 48            | 2084 | 89           | 0             | 2109 | 0               | 0               |
| 2035                             | 1,638        | 274           | 2060 | 1,696        | 42            | 2085 | 69           | 0             | 2110 | 0               | 0               |
| 2036                             | 1,709        | 265           | 2061 | \$1,618      | \$38          | 2086 | 53           | 0             | 2111 | \$0             | \$0             |
| <b>Total</b>                     |              |               |      |              |               |      |              |               |      | <b>\$88,443</b> | <b>\$10,240</b> |

| Fully Projected Benefit Payments |              |               |      |              |               |      |              |               |              |                 |                |
|----------------------------------|--------------|---------------|------|--------------|---------------|------|--------------|---------------|--------------|-----------------|----------------|
| SERS - Plan 2/3                  |              |               |      |              |               |      |              |               |              |                 |                |
| (Dollars in Millions)            | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value | Present Value | Year         | Future Value    | Present 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            |
|                                  |              |               |      |              |               |      |              |               | <b>Total</b> | <b>\$22,938</b> | <b>\$3,893</b> |



| Fully Projected Benefit Payments |              |               |      |              |               |      |              |               |      |              |                |              |
|----------------------------------|--------------|---------------|------|--------------|---------------|------|--------------|---------------|------|--------------|----------------|--------------|
| PSERS - Plan 2                   |              |               |      |              |               |      |              |               |      |              |                |              |
| (Dollars in Millions)            | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value | Present 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            |              |
|                                  |              |               |      |              |               |      |              |               |      | <b>Total</b> | <b>\$6,521</b> | <b>\$488</b> |

| Fully Projected Benefit Payments |              |               |      |              |               |      |              |               |      |              |                 |                |
|----------------------------------|--------------|---------------|------|--------------|---------------|------|--------------|---------------|------|--------------|-----------------|----------------|
| LEOFF - Plan 1                   |              |               |      |              |               |      |              |               |      |              |                 |                |
| (Dollars in Millions)            | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value | Present 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             |                |
|                                  |              |               |      |              |               |      |              |               |      | <b>Total</b> | <b>\$10,001</b> | <b>\$4,132</b> |

## Fully Projected Benefit Payments

## LEOFF - Plan 2

| <i>(Dollars in Millions)</i> |              |               |      |              |               |      |              |               |      |                 |                |
|------------------------------|--------------|---------------|------|--------------|---------------|------|--------------|---------------|------|-----------------|----------------|
| Year                         | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value    | Present Value  |
| 2012                         | \$116        | \$112         | 2037 | 1,555        | 246           | 2062 | \$978        | \$25          | 2087 | 7               | 0              |
| 2013                         | 145          | 130           | 2038 | 1,610        | 237           | 2063 | 904          | 22            | 2088 | 4               | 0              |
| 2014                         | 178          | 149           | 2039 | 1,660        | 227           | 2064 | 830          | 19            | 2089 | 3               | 0              |
| 2015                         | 214          | 166           | 2040 | 1,706        | 217           | 2065 | 758          | 16            | 2090 | 2               | 0              |
| 2016                         | 253          | 183           | 2041 | 1,740        | 206           | 2066 | 687          | 13            | 2091 | 1               | 0              |
| 2017                         | 295          | 198           | 2042 | 1,767        | 195           | 2067 | 619          | 11            | 2092 | 1               | 0              |
| 2018                         | 338          | 211           | 2043 | 1,787        | 183           | 2068 | 553          | 9             | 2093 | 1               | 0              |
| 2019                         | 384          | 223           | 2044 | 1,799        | 172           | 2069 | 489          | 8             | 2094 | 0               | 0              |
| 2020                         | 434          | 235           | 2045 | 1,804        | 160           | 2070 | 430          | 6             | 2095 | 0               | 0              |
| 2021                         | 486          | 244           | 2046 | 1,799        | 148           | 2071 | 374          | 5             | 2096 | 0               | 0              |
| 2022                         | 540          | 253           | 2047 | 1,786        | 137           | 2072 | 321          | 4             | 2097 | 0               | 0              |
| 2023                         | 599          | 261           | 2048 | 1,766        | 126           | 2073 | 273          | 3             | 2098 | 0               | 0              |
| 2024                         | 662          | 268           | 2049 | 1,740        | 116           | 2074 | 230          | 3             | 2099 | 0               | 0              |
| 2025                         | 727          | 274           | 2050 | 1,708        | 106           | 2075 | 191          | 2             | 2100 | 0               | 0              |
| 2026                         | 794          | 278           | 2051 | 1,669        | 96            | 2076 | 156          | 1             | 2101 | 0               | 0              |
| 2027                         | 861          | 281           | 2052 | 1,624        | 87            | 2077 | 126          | 1             | 2102 | 0               | 0              |
| 2028                         | 932          | 283           | 2053 | 1,574        | 78            | 2078 | 101          | 1             | 2103 | 0               | 0              |
| 2029                         | 1,006        | 284           | 2054 | 1,520        | 70            | 2079 | 79           | 1             | 2104 | 0               | 0              |
| 2030                         | 1,078        | 283           | 2055 | 1,462        | 63            | 2080 | 61           | 0             | 2105 | 0               | 0              |
| 2031                         | 1,150        | 281           | 2056 | 1,400        | 56            | 2081 | 46           | 0             | 2106 | 0               | 0              |
| 2032                         | 1,223        | 278           | 2057 | 1,335        | 50            | 2082 | 35           | 0             | 2107 | 0               | 0              |
| 2033                         | 1,294        | 273           | 2058 | 1,267        | 44            | 2083 | 26           | 0             | 2108 | 0               | 0              |
| 2034                         | 1,364        | 268           | 2059 | 1,197        | 39            | 2084 | 19           | 0             | 2109 | 0               | 0              |
| 2035                         | 1,432        | 262           | 2060 | 1,125        | 34            | 2085 | 13           | 0             | 2110 | 0               | 0              |
| 2036                         | 1,495        | 254           | 2061 | \$1,051      | \$29          | 2086 | 9            | 0             | 2111 | \$0             | \$0            |
| <b>Total</b>                 |              |               |      |              |               |      |              |               |      | <b>\$65,782</b> | <b>\$9,203</b> |

| Fully Projected Benefit Payments |              |               |      |              |               |      |              |               |      |              |                |                |
|----------------------------------|--------------|---------------|------|--------------|---------------|------|--------------|---------------|------|--------------|----------------|----------------|
| WSPRS - Plan 1/2                 |              |               |      |              |               |      |              |               |      |              |                |                |
| (Dollars in Millions)            | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value | Present Value | Year | Future Value | Present 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            |                |
|                                  |              |               |      |              |               |      |              |               |      | <b>Total</b> | <b>\$5,680</b> | <b>\$1,019</b> |

## Plan Assets

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

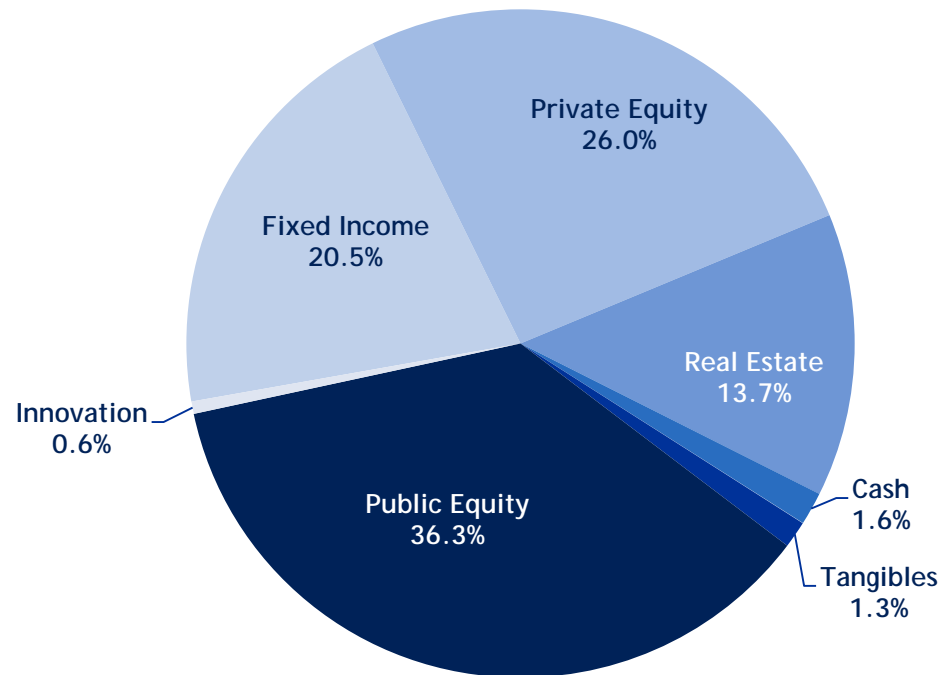
**Fixed Income:** Securities representing debt obligations and usually having fixed payments and maturities. Different types of fixed income securities include government and corporate bonds, mortgage-backed securities, asset-backed securities, convertible issues, and may also include money-market instruments.

**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.

Retirement Commingled Trust Fund (CTF) Asset Allocation



**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 |                |                 |                 |                |                |                 |
|----------------------------------|----------------|-----------------|-----------------|----------------|----------------|-----------------|
| <i>(Dollars in Millions)</i>     | PERS           |                 |                 | TRS            |                |                 |
|                                  | Plan 1         | Plan 2/3*       |                 | Plan 1         | Plan 2/3*      |                 |
|                                  | Fund 631       | Fund 641        | Total           | Fund 632       | Fund 642       | Total           |
| <b>2011 Market Value</b>         | <b>\$8,178</b> | <b>\$20,097</b> | <b>\$28,274</b> | <b>\$6,902</b> | <b>\$6,839</b> | <b>\$13,741</b> |
| <b>Revenue</b>                   |                |                 |                 |                |                |                 |
| <b>Contributions</b>             |                |                 |                 |                |                |                 |
| Employee                         | 24             | 310             | 334             | 14             | 30             | 44              |
| Employer/State                   | 257            | 385             | 642             | 112            | 214            | 326             |
| <b>Total Contributions</b>       | <b>282</b>     | <b>695</b>      | <b>977</b>      | <b>126</b>     | <b>244</b>     | <b>370</b>      |
| 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               |
| <b>Total Revenue</b>             | <b>\$375</b>   | <b>\$996</b>    | <b>\$1,372</b>  | <b>\$203</b>   | <b>\$341</b>   | <b>\$544</b>    |
| <b>Disbursements</b>             |                |                 |                 |                |                |                 |
| Monthly Benefits**               | \$1,174        | \$377           | \$1,551         | \$914          | \$91           | \$1,005         |
| Refunds                          | 5              | 36              | 40              | 2              | 2              | 4               |
| <b>Total Benefits</b>            | <b>1,178</b>   | <b>413</b>      | <b>1,591</b>    | <b>915</b>     | <b>94</b>      | <b>1,009</b>    |
| Transfers Out                    | 0              | 1               | 1               | 0              | 0              | 0               |
| Expenses                         | 1              | 1               | 1               | 0              | 0              | 0               |
| <b>Total Disbursements</b>       | <b>\$1,179</b> | <b>\$415</b>    | <b>\$1,594</b>  | <b>\$916</b>   | <b>\$94</b>    | <b>\$1,010</b>  |
| <b>Payables</b>                  | <b>\$0</b>     | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>      |
| <b>2012 Market Value</b>         | <b>\$7,374</b> | <b>\$20,678</b> | <b>\$28,052</b> | <b>\$6,189</b> | <b>\$7,087</b> | <b>\$13,276</b> |
| <b>2012 Actuarial Value</b>      | <b>\$8,521</b> | <b>\$22,653</b> | <b>\$31,173</b> | <b>\$7,145</b> | <b>\$7,758</b> | <b>\$14,902</b> |
| <b>Ratio (AV/MV)</b>             | <b>116%</b>    | <b>110%</b>     | <b>111%</b>     | <b>115%</b>    | <b>109%</b>    | <b>112%</b>     |

Note: Totals may not agree due to rounding.

\*Defined Benefit portion only.

\*\*TRS Plan 1 value includes annuity cashouts.

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

Note: Totals may not agree due to rounding.

\*Defined Benefit portion only.

| Calculation of Actuarial Value of Assets |                                    |                |                 |                |                |                |         |
|--|------------------------------------|----------------|-----------------|----------------|----------------|----------------|---------|
| <i>(Dollars in Millions)</i>             |                                    | PERS 1         | PERS 2/3*       | TRS 1          | TRS 2/3*       | SERS 2/3*      |         |
| a.                                       | Market Value at 6/30/2012          | \$7,374        | \$20,678        | \$6,189        | \$7,087        | \$2,827        |         |
| b.                                       | Deferred Gains and (Losses)        |                |                 |                |                |                |         |
| 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 Deferral (a-b)   | \$8,521        | \$22,653        | \$7,145        | \$7,758        | \$3,100        |         |
| d.                                       | 70% of Market Value of Assets      | \$5,162        | \$14,475        | \$4,332        | \$4,961        | \$1,979        |         |
| e.                                       | 130% of Market Value of Assets     | \$9,586        | \$26,882        | \$8,046        | \$9,213        | \$3,675        |         |
| f.                                       | <b>Actuarial Value of Assets**</b> | <b>\$8,521</b> | <b>\$22,653</b> | <b>\$7,145</b> | <b>\$7,758</b> | <b>\$3,100</b> |         |

Note: Totals may not agree due to rounding.

\*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 |                                     |                 |                |                |              |                 |           |
|--|-------------------------------------|-----------------|----------------|----------------|--------------|-----------------|-----------|
| <i>(Continued)</i>                       |                                     |                 |                |                |              |                 |           |
| <i>(Dollars in Millions)</i>             |                                     | PSERS 2         | LEOFF 1        | LEOFF 2        | WSPRS        | Total           |           |
| a.                                       | Market Value at 6/30/2012           | \$174           | \$4,903        | \$6,640        | \$879        | \$56,753        |           |
| b.                                       | Deferred Gains and (Losses)         |                 |                |                |              |                 |           |
| Plan Year Ending                         | Years Deferred                      | Years 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 less Deferral (a-b)    | \$180           | \$5,562        | \$7,222        | \$982        | \$63,122        |           |
| d.                                       | 70% of Market Value of Assets       | \$122           | \$3,432        | \$4,648        | \$615        | \$39,727        |           |
| e.                                       | 130% of Market Value of Assets      | \$227           | \$6,374        | \$8,633        | \$1,143      | \$73,779        |           |
| f.                                       | <b>Actuarial Value of Assets***</b> | <b>\$180</b>    | <b>\$5,562</b> | <b>\$7,222</b> | <b>\$982</b> | <b>\$63,122</b> |           |

Note: Totals may not agree due to rounding.

\*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     |         |           |         |          |           |
|--|---------|-----------|---------|----------|-----------|
| (Dollars 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%     |

Note: Totals may not agree due to rounding.

\*Defined Benefit portion only.

| Investment Gains and (Losses) for Prior Year     |         |         |         |       |          |
|--|---------|---------|---------|-------|----------|
| (Continued)                                      |         |         |         |       |          |
| (Dollars 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%    |

Note: Totals may not agree due to rounding.

\* 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)                      | PERS       |             | TRS        |             | SERS        | PSERS       | LEOFF       |             | WSPRS       | Total       |
|  | Plan 1     | Plan 2/3    | Plan 1     | Plan 2/3    | Plan 2/3    | Plan 2      | Plan 1      | Plan 2      |             |             |
| PUC Liability                              | \$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)     |
| <b>Funded Ratio</b>                        |            |             |            |             |             |             |             |             |             |             |
| <b>2012</b>                                | <b>69%</b> | <b>111%</b> | <b>79%</b> | <b>114%</b> | <b>110%</b> | <b>134%</b> | <b>135%</b> | <b>119%</b> | <b>114%</b> | <b>101%</b> |
| 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%         |

Note: Totals may not agree due to rounding.

\*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)                                 | PERS       |            | TRS        |            | SERS       | PSERS       | LEOFF       |             | WSPRS       | Total      |
|   | Plan 1     | Plan 2/3   | Plan 1     | Plan 2/3   | Plan 2/3   | Plan 2      | Plan 1      | Plan 2      |             |            |
| PUC Liability   | \$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    |
| <b>Funded Ratio</b>                                   |            |            |            |            |            |             |             |             |             |            |
| <b>2012</b>   | <b>64%</b> | <b>96%</b> | <b>73%</b> | <b>97%</b> | <b>95%</b> | <b>108%</b> | <b>124%</b> | <b>100%</b> | <b>100%</b> | <b>89%</b> |
| 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.

\*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.

| Funded Status at a 1% Higher Interest Rate Assumption* |            |             |            |             |             |             |             |             |             |             |
|--|------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| (Dollars in Millions)                                  | PERS       |             | TRS        |             | SERS        | PSERS       | LEOFF       |             | WSPRS       | Total       |
|  | Plan 1     | Plan 2/3    | Plan 1     | Plan 2/3    | Plan 2/3    | Plan 2      | Plan 1      | Plan 2      |             |             |
| PUC Liability  | \$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)   |
| <b>Funded Ratio</b>                                    |            |             |            |             |             |             |             |             |             |             |
| <b>2012</b>  | <b>74%</b> | <b>128%</b> | <b>85%</b> | <b>133%</b> | <b>126%</b> | <b>162%</b> | <b>146%</b> | <b>140%</b> | <b>129%</b> | <b>113%</b> |
| 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%        |

Note: Totals may not agree due to rounding.

\*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.

## 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      |
| <b>Funded Ratio</b>                    |            |            |            |
| <b>2012</b>                            | <b>47%</b> | <b>54%</b> | <b>91%</b> |
| 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%        |

Note: Totals may not agree due to rounding.

\* 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 State Contribution Rate by Source  |              |               |              |               |                |                |
|---|--------------|---------------|--------------|---------------|----------------|----------------|
| Change in Employer Rate                                   | PERS         | TRS           | SERS*        | PSERS*        | LEOFF**        | WSPRS          |
| <b>2011 Contribution Rate Before Laws of 2012</b>         | <b>9.03%</b> | <b>10.21%</b> | <b>9.64%</b> | <b>10.22%</b> | <b>(6.46%)</b> | <b>7.63%</b>   |
| Remove Rate Floor / Ceiling                               | 0.00%        | 0.00%         | 0.00%        | 0.00%         | (0.55%)        | (4.12%)        |
| Remove Plan 1 Benefit Improvements After 2009             | (0.14%)      | (0.15%)       | (0.14%)      | (0.14%)       | N/A            | N/A            |
| Remove Prior Liability and LEOFF 1 Funding Method Changes | (0.11%)      | (0.77%)       | (1.00%)      | 0.00%         | (2.12%)        | (1.32%)        |
| <b>2011 Adjusted Contribution Rate</b>                    | <b>8.78%</b> | <b>9.29%</b>  | <b>8.50%</b> | <b>10.08%</b> | <b>(9.13%)</b> | <b>2.19%</b>   |
| 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%)        |
| <b>Total Change</b>                                       | <b>0.12%</b> | <b>0.26%</b>  | <b>0.16%</b> | <b>0.06%</b>  | <b>(0.40%)</b> | <b>(0.41%)</b> |
| <b>2012 Preliminary Contribution Rate</b>                 | <b>8.90%</b> | <b>9.55%</b>  | <b>8.66%</b> | <b>10.14%</b> | <b>(9.53%)</b> | <b>1.78%</b>   |
| 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%          |
| <b>2012 Adjusted Contribution Rate</b>                    | <b>9.15%</b> | <b>10.68%</b> | <b>9.80%</b> | <b>10.28%</b> | <b>(8.79%)</b> | <b>7.76%</b>   |

\*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 State Plan 2/3 Normal Cost Rate by Source |                |                |                |                |                |                |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Change in Normal Costs   | PERS           | TRS            | SERS           | PSERS          | LEOFF*         | WSPRS**        |
| <b>2011 Normal Cost Before Laws of 2012</b>                      | <b>5.03%</b>   | <b>5.73%</b>   | <b>5.64%</b>   | <b>6.22%</b>   | <b>3.03%</b>   | <b>7.63%</b>   |
| 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%)        |
| <b>2011 Adjusted Normal Cost Rate</b>                            | <b>4.92%</b>   | <b>4.96%</b>   | <b>4.64%</b>   | <b>6.22%</b>   | <b>2.48%</b>   | <b>2.19%</b>   |
| 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%)        |
| <b>Total Liability Gains/Losses</b>                              | <b>(0.16%)</b> | <b>(0.39%)</b> | <b>(0.23%)</b> | <b>0.00%</b>   | <b>(0.07%)</b> | <b>(0.63%)</b> |
| <b>Asset Gains/Losses</b>  | <b>0.24%</b>   | <b>0.30%</b>   | <b>0.46%</b>   | <b>0.01%</b>   | <b>0.01%</b>   | <b>0.45%</b>   |
| <b>Present Value of Future Salaries Gains/Losses</b>             | <b>(0.13%)</b> | <b>(0.09%)</b> | <b>(0.17%)</b> | <b>(0.11%)</b> | <b>(0.03%)</b> | <b>(0.04%)</b> |
| 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%)        |
| <b>Total Incremental Changes Gains/Losses</b>                    | <b>0.00%</b>   | <b>0.00%</b>   | <b>0.00%</b>   | <b>0.00%</b>   | <b>0.00%</b>   | <b>(0.16%)</b> |
| <b>Other Gains/Losses</b>  | <b>(0.04%)</b> | <b>(0.04%)</b> | <b>(0.11%)</b> | <b>(0.05%)</b> | <b>(0.03%)</b> | <b>(0.03%)</b> |
| <b>Total Change</b>  | <b>(0.09%)</b> | <b>(0.22%)</b> | <b>(0.05%)</b> | <b>(0.15%)</b> | <b>(0.12%)</b> | <b>(0.41%)</b> |
| <b>2012 Preliminary Normal Cost</b>                              | <b>4.83%</b>   | <b>4.74%</b>   | <b>4.59%</b>   | <b>6.07%</b>   | <b>2.36%</b>   | <b>1.78%</b>   |
| 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%          |
| <b>2012 Adjusted Normal Cost</b>                                 | <b>4.94%</b>   | <b>5.72%</b>   | <b>5.59%</b>   | <b>6.07%</b>   | <b>3.10%</b>   | <b>7.76%</b>   |

\*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      |
| <b>2011 UAAL Rate Before Laws of 2012</b>               | <b>4.00%</b>   | <b>4.48%</b>   | <b>4.00%</b> | <b>4.00%</b> | <b>(9.49%)</b>  | <b>N/A</b> |
| 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        |
| <b>2011 Adjusted UAAL Rate</b>                          | <b>3.86%</b>   | <b>4.33%</b>   | <b>3.86%</b> | <b>3.86%</b> | <b>(11.61%)</b> | <b>N/A</b> |
| 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        |
| <b>Total Liability Gains/Losses</b>                     | <b>(0.06%)</b> | <b>(0.20%)</b> | <b>N/A</b>   | <b>N/A</b>   | <b>0.14%</b>    | <b>N/A</b> |
| <b>Asset Gains/Losses</b>                               | <b>0.39%</b>   | <b>0.71%</b>   | <b>N/A</b>   | <b>N/A</b>   | <b>0.68%</b>    | <b>N/A</b> |
| <b>Present Value of Future Salaries Gains/Losses</b>    | <b>(0.19%)</b> | <b>(0.16%)</b> | <b>N/A</b>   | <b>N/A</b>   | <b>(0.42%)</b>  | <b>N/A</b> |
| 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        |
| <b>Total Incremental Changes Gains/Losses</b>           | <b>0.07%</b>   | <b>0.15%</b>   | <b>N/A</b>   | <b>N/A</b>   | <b>(0.39%)</b>  | <b>N/A</b> |
| <b>Other Gains/Losses</b>                               | <b>0.00%</b>   | <b>(0.02%)</b> | <b>N/A</b>   | <b>N/A</b>   | <b>(0.29%)</b>  | <b>N/A</b> |
| <b>Total Change</b>                                     | <b>0.21%</b>   | <b>0.48%</b>   | <b>0.21%</b> | <b>0.21%</b> | <b>(0.28%)</b>  | <b>N/A</b> |
| <b>2012 Preliminary UAAL Rate</b>                       | <b>4.07%</b>   | <b>4.81%</b>   | <b>4.07%</b> | <b>4.07%</b> | <b>(11.89%)</b> | <b>N/A</b> |
| 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        |
| <b>2012 Adjusted UAAL Rate</b>                          | <b>4.21%</b>   | <b>4.96%</b>   | <b>4.21%</b> | <b>4.21%</b> | <b>(11.89%)</b> | <b>N/A</b> |

\*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, Assumption, and Method Changes |              |              |               |               |              |               |              |              |              |
|--|--------------|--------------|---------------|---------------|--------------|---------------|--------------|--------------|--------------|
|  | PERS 1       | PERS 2/3     | TRS 1         | TRS 2/3       | SERS 2/3     | PSERS 2       | LEOFF 1      | LEOFF 2*     | WSPRS        |
| <b>Before Changes</b>                          |              |              |               |               |              |               |              |              |              |
| 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)        |
| <b>Employer Contribution Rate</b>              | <b>9.06%</b> | <b>9.06%</b> | <b>10.33%</b> | <b>10.33%</b> | <b>9.51%</b> | <b>10.07%</b> | <b>0.00%</b> | <b>4.62%</b> | <b>7.76%</b> |
| <b>After Changes</b>                           |              |              |               |               |              |               |              |              |              |
| 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)        |
| <b>Employer Contribution Rate</b>              | <b>9.15%</b> | <b>9.15%</b> | <b>10.68%</b> | <b>10.68%</b> | <b>9.80%</b> | <b>10.28%</b> | <b>0.00%</b> | <b>4.64%</b> | <b>7.76%</b> |
| <b>Increase / (Decrease) in Rate</b>           | <b>0.09%</b> | <b>0.09%</b> | <b>0.35%</b>  | <b>0.35%</b>  | <b>0.29%</b> | <b>0.21%</b>  | <b>0.00%</b> | <b>0.02%</b> | <b>0.00%</b> |

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)



Summary of Key Results

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Actuarial Exhibits

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**Participant Data**

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Appendices

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## 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.

|   |  |
|---|--|
| <b>PERS</b> - Public Employees' Retirement System<br><i>Chapter 41.40 RCW</i>                             | 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. |
| <b>TRS</b> - Teachers' Retirement System<br><i>Chapter 41.32 RCW</i>                                      | Certificated teachers; administrators; and educational staff associates.   |
| <b>SERS</b> - School Employees' Retirement System<br><i>Chapter 41.35 RCW</i>                             | Classified school district employees.  |
| <b>PSERS</b> - Public Safety Employees' Retirement System<br><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.   |
| <b>LEOFF</b> - Law Enforcement Officers' and Fire Fighters' Retirement System<br><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.  |
| <b>WSPRS</b> - Washington State Patrol Retirement System<br><i>Chapter 43.43 RCW</i>                      | 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 Membership By Employer and Plan |                |              |                |               |              |               |               |
|--|----------------|--------------|----------------|---------------|--------------|---------------|---------------|
| Employer                               | All            | PERS         |                |               | TRS          |               |               |
|  | 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             |
| <b>TOTAL</b>                           | <b>289,727</b> | <b>6,635</b> | <b>115,877</b> | <b>28,078</b> | <b>3,019</b> | <b>10,849</b> | <b>51,489</b> |

| Active Membership By Employer and Plan<br>(Continued) |               |               |              |            |               |            |            |
|---|---------------|---------------|--------------|------------|---------------|------------|------------|
| Employer  | SERS          |               | PSERS        | LEOFF      |               | WSPRS      |            |
|   | 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          |
| <b>TOTAL</b>  | <b>20,846</b> | <b>30,712</b> | <b>4,250</b> | <b>186</b> | <b>16,720</b> | <b>712</b> | <b>354</b> |

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

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

| Reconciliation of Participant Data |               |                |               |                |               |               |               |               |
|------------------------------------|---------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|
|                                    | PERS          |                |               |                | TRS           |               |               |               |
|                                    | Plan 1        | Plan 2         | Plan 3        | Total          | Plan 1        | Plan 2        | Plan 3        | Total         |
| <b>2011 Actives</b>                | 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)       |
| <b>2012 Actives</b>                | <b>6,635</b>  | <b>115,877</b> | <b>28,078</b> | <b>150,590</b> | <b>3,019</b>  | <b>10,849</b> | <b>51,489</b> | <b>65,357</b> |
| <b>2011 Annuitants</b>             | 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)          |
| <b>2012 Annuitants</b>             | <b>52,672</b> | <b>27,820</b>  | <b>1,750</b>  | <b>82,242</b>  | <b>36,054</b> | <b>3,060</b>  | <b>3,804</b>  | <b>42,918</b> |
| <b>Ratio Actives to Annuitants</b> | <b>0.13</b>   | <b>4.17</b>    | <b>16.04</b>  | <b>1.83</b>    | <b>0.08</b>   | <b>3.55</b>   | <b>13.54</b>  | <b>1.52</b>   |

| Reconciliation of Participant Data<br>(Continued) |               |               |               |               |              |               |               |             |            |              |                |
|---|---------------|---------------|---------------|---------------|--------------|---------------|---------------|-------------|------------|--------------|----------------|
|   | SERS          |               |               | PSERS         |              | LEOFF         |               | WSPRS       |            |              | All            |
|   | Plan 2        | Plan 3        | Total         | Plan 2        | Plan 1       | Plan 2        | Total         | Plan 1      | Plan 2     | Total        | Systems        |
| <b>2011 Actives</b>                               | 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)       |
| <b>2012 Actives</b>                               | <b>20,846</b> | <b>30,712</b> | <b>51,558</b> | <b>4,250</b>  | <b>186</b>   | <b>16,720</b> | <b>16,906</b> | <b>712</b>  | <b>354</b> | <b>1,066</b> | <b>289,727</b> |
| <b>2011 Annuitants</b>                            | 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)           |
| <b>2012 Annuitants</b>                            | <b>4,437</b>  | <b>3,214</b>  | <b>7,651</b>  | <b>27</b>     | <b>7,845</b> | <b>2,344</b>  | <b>10,189</b> | <b>915</b>  | <b>0</b>   | <b>915</b>   | <b>143,942</b> |
| <b>Ratio Actives to Annuitants</b>                | <b>4.70</b>   | <b>9.56</b>   | <b>6.74</b>   | <b>157.41</b> | <b>0.02</b>  | <b>7.13</b>   | <b>1.66</b>   | <b>0.78</b> | <b>N/A</b> | <b>1.17</b>  | <b>2.01</b>    |

# Summary of Plan Participants

| Summary of Plan Participants                 |          |          |          |          |          |          |          |          |
|--|----------|----------|----------|----------|----------|----------|----------|----------|
| PERS   | 2012     |          |          |          | 2011     |          |          |          |
|  | Plan 1   | Plan 2   | Plan 3   | Total    | Plan 1   | Plan 2   | Plan 3   | Total    |
| <b>Active Members</b>                        |          |          |          |          |          |          |          |          |
| 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 |
| <b>Terminated Members</b>                    |          |          |          |          |          |          |          |          |
| 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   |
| <b>Retirees (including L&amp;I disabled)</b> |          |          |          |          |          |          |          |          |
| 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<br>(Continued)  |          |          |          |          |          |          |          |          |
|--|----------|----------|----------|----------|----------|----------|----------|----------|
| TRS  | 2012     |          |          |          | 2011     |          |          |          |
|  | Plan 1   | Plan 2   | Plan 3   | Total    | Plan 1   | Plan 2   | Plan 3   | Total    |
| <b>Active Members</b>                        |          |          |          |          |          |          |          |          |
| 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 |
| <b>Terminated Members</b>                    |          |          |          |          |          |          |          |          |
| 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        |
| <b>Retirees</b>                              |          |          |          |          |          |          |          |          |
| 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  |



| Summary of Plan Participants<br>(Continued)     |          |          |          |          |          |          |
|---|----------|----------|----------|----------|----------|----------|
| SERS  | 2012     |          |          | 2011     |          |          |
|   | Plan 2   | Plan 3   | Total    | Plan 2   | Plan 3   | Total    |
| <b>Active Members</b>                           |          |          |          |          |          |          |
| 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 |
| <b>Terminated Members</b>                       |          |          |          |          |          |          |
| 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    |
| <b>Retirees</b>                                 |          |          |          |          |          |          |
| 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 Participants<br>(Continued)     |          |          |
|---|----------|----------|
| PSERS   | 2012     | 2011     |
|   | Plan 2   | Plan 2   |
| <b>Active Members</b>                           |          |          |
| 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 |
| <b>Terminated Members</b>                       |          |          |
| Number Vested                                   | 60       | 1        |
| Number "Non-Vested"                             | 1,329    | 1,210    |
| <b>Retirees</b>                                 |          |          |
| 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    |

| Summary of Plan Participants<br>(Continued)      |           |          |          |          |          |          |
|--|-----------|----------|----------|----------|----------|----------|
| LEOFF  | 2012      |          |          | 2011     |          |          |
|  | Plan 1    | Plan 2   | Total    | Plan 1   | Plan 2   | Total    |
| <b>Active Members</b>                            |           |          |          |          |          |          |
| 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 |
| <b>Terminated Members</b>                        |           |          |          |          |          |          |
| Number Vested                                    | 0         | 689      | 689      | 1        | 655      | 656      |
| Number "Non-Vested"                              | 41        | 1,558    | 1,599    | 44       | 1,617    | 1,661    |
| <b>Retirees</b>                                  |           |          |          |          |          |          |
| 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<br>(Continued)     |          |          |          |          |          |          |
|---|----------|----------|----------|----------|----------|----------|
| WSPRS   | 2012     |          |          | 2011     |          |          |
|   | Plan 1   | Plan 2   | Total    | Plan 1   | Plan 2   | Total    |
| <b>Active Members</b>                           |          |          |          |          |          |          |
| 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 |
| <b>Terminated Members</b>                       |          |          |          |          |          |          |
| 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       |
| <b>Retirees</b>                                 |          |          |          |          |          |          |
| 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.



Summary of Key Results

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Actuarial Exhibits

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Participant Data

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Appendices

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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 short-term volatility. The adjusted assets are called the actuarial value of assets, or valuation assets.

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

| 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 <sup>1</sup>              | 5.50%     | 5.50%                     | 5.50%                     | 5.50%              | 5.50%              | 5.50%              |                    |
| Return on Investment Earnings <sup>2</sup>                 | 7.90%     | 7.90%                     | 7.90%                     | 7.90%              | 7.90%              | 7.90%              |                    |
| Inflation <sup>3</sup>                                     | 3.00%     | 3.00%                     | 3.00%                     | 3.00%              | 3.00%              | 3.00%              |                    |
| General Salary Increases (includes inflation) <sup>4</sup> | 3.75%     | 3.75%                     | 3.75%                     | 3.75%              | 3.75%              | 3.75%              |                    |
| Annual COLA  | Plan 1:   | Minimum COLA <sup>5</sup> | Minimum COLA <sup>5</sup> | N/A                | N/A                | 3.00% <sup>6</sup> | 3.00% <sup>7</sup> |
|  | Plan 2/3: | 3.00% <sup>7</sup>        | 3.00% <sup>7</sup>        | 3.00% <sup>7</sup> | 3.00% <sup>7</sup> | 3.00% <sup>7</sup> | 3.00% <sup>7</sup> |

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

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

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

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

<sup>5</sup> 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.

<sup>6</sup> Equal to the CPI.

<sup>7</sup> Based on the CPI (3% maximum per year).

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.

## 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 |                  |              |                 |              |                  |              |                   |              |                   |              |                   |              |
|---------------------------------|------------------|--------------|-----------------|--------------|------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|
| Service Years                   | PERS - All Plans |              | TRS - All Plans |              | SERS - All Plans |              | PSERS - All Plans |              | LEOFF - All Plans |              | WSPRS - All Plans |              |
|                                 | % Increase       | Salary Ratio | % Increase      | Salary Ratio | % Increase       | Salary Ratio | % Increase        | Salary Ratio | % Increase        | Salary Ratio | % Increase        | Salary 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        |



| Probability of Service Retirement |                               |        |                           |        |                            |        |                           |        |                               |        |                            |          |   |        |  |
|-----------------------------------|-------------------------------|--------|---------------------------|--------|----------------------------|--------|---------------------------|--------|-------------------------------|--------|----------------------------|----------|---|--------|--|
| Age                               | TRS                           |        |                           |        |                            |        |                           |        |                               |        | SERS                       |          |   |        |  |
|                                   | Plan 1*                       |        | Plan 2/3                  |        |                            |        |                           |        | Plan 2/3                      |        |                            | Plan 2/3 |   |        |  |
|                                   | Service not equal to 30 years |        | Service equal to 30 years |        | Service less than 30 years |        | Service equal to 30 years |        | Service greater than 30 years |        | Service less than 30 years |          | Service greater than or equal to 30 years |        |  |
|                                   | 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                          | 0.18   | 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   |  |

\*Rates have been rounded for display purposes.

| Probability of Service Retirement |         |        |                            |      |   |      |                            |      |   |          |               |               |
|-----------------------------------|---------|--------|----------------------------|------|---|------|----------------------------|------|---|----------|---------------|---------------|
| Age                               | Plan 1* |        | PERS                       |      |   |      | PSERS                      |      | LEOFF                                     |          | WSPRS         |               |
|                                   |         |        | Plan 2/3                   |      | Plan 2                                    |      | Plan 1                     |      | Plan 2*                                   | Plan 1/2 |               |               |
|                                   | Male    | Female | Service less than 30 years |      | Service greater than or equal to 30 years |      | Service less than 30 years |      | Service greater than or equal to 30 years |          | 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          | 0.45          |
| 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:

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

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.

| RP-2000 Mortality Rates |          |          | 50% Scale AA |        |        | RP-2000 Mortality Rates |          |          | 50% Scale AA |        |        | RP-2000 Mortality Rates |          |          | 50% Scale AA |        |        |
|-------------------------|----------|----------|--------------|--------|--------|-------------------------|----------|----------|--------------|--------|--------|-------------------------|----------|----------|--------------|--------|--------|
| Combined Healthy Table  |          |          |              |        |        | 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 |               |          |                 |          |               |          |                 |          |                 |          |
|---------------------|---------------|----------|-----------------|----------|---------------|----------|-----------------|----------|-----------------|----------|
|                     | PERS          |          |                 |          | TRS           |          |                 |          | SERS            |          |
|                     | 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 |

Improvements in mortality are projected to the year specified for each plan based on 50% of Scale AA.

| Projected Mortality |               |          |               |          |               |          |                 |          |
|---------------------|---------------|----------|---------------|----------|---------------|----------|-----------------|----------|
| <i>(Continued)</i>  |               |          |               |          |               |          |                 |          |
|                     | PSERS         |          | LEOFF         |          |               |          | WSPRS           |          |
|                     | Plan 2 - 2038 |          | Plan 1 - 2019 |          | Plan 2 - 2034 |          | Plan 1/2 - 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 |

*Improvements in mortality are projected to the year specified for each plan based on 50% of Scale AA.*

| Projected Mortality |               |          |                 |          |               |          |                 |          |                 |          |
|---------------------|---------------|----------|-----------------|----------|---------------|----------|-----------------|----------|-----------------|----------|
| (Continued)         |               |          |                 |          |               |          |                 |          |                 |          |
|                     | PERS          |          |                 |          | TRS           |          |                 |          | SERS            |          |
|                     | 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       |
| 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 | 0.00754       | 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 |

Improvements in mortality are projected to the year specified for each plan based on 50% of Scale AA.

| Projected Mortality |               |          |               |          |               |          |                 |          |
|---------------------|---------------|----------|---------------|----------|---------------|----------|-----------------|----------|
| <i>(Continued)</i>  |               |          |               |          |               |          |                 |          |
|                     | PSERS         |          | LEOFF         |          |               |          | WSPRS           |          |
|                     | Plan 2 - 2038 |          | Plan 1 - 2019 |          | Plan 2 - 2034 |          | Plan 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 |

Improvements in mortality are projected to the year specified for each plan based on 50% of Scale AA.



| Projected Mortality |               |          |                 |          |               |          |                 |          |                 |          |
|---------------------|---------------|----------|-----------------|----------|---------------|----------|-----------------|----------|-----------------|----------|
| <i>(Continued)</i>  |               |          |                 |          |               |          |                 |          |                 |          |
|                     | PERS          |          |                 |          | TRS           |          |                 |          | SERS            |          |
|                     | 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       |
| 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 |

Improvements in mortality are projected to the year specified for each plan based on 50% of Scale AA.

| Projected Mortality |               |          |               |          |               |          |                 |          |
|---------------------|---------------|----------|---------------|----------|---------------|----------|-----------------|----------|
| (Continued)         |               |          |               |          |               |          |                 |          |
|                     | PSERS         |          | LEOFF         |          |               |          | WSPRS           |          |
|                     | Plan 2 - 2038 |          | Plan 1 - 2019 |          | Plan 2 - 2034 |          | Plan 1/2 - 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 |

Improvements in mortality are projected to the year specified for each plan based on 50% of Scale AA.

| Projected Disabled Mortality |               |          |                 |          |               |          |                 |          |                 |          |
|------------------------------|---------------|----------|-----------------|----------|---------------|----------|-----------------|----------|-----------------|----------|
| Offsets                      | PERS          |          |                 |          | TRS           |          |                 |          | SERS            |          |
|                              | 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   |
| 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 |

Improvements in mortality are projected to the year specified for each plan based on 50% of Scale AA.

| Projected Disabled Mortality |               |          |               |          |               |          |                 |          |
|------------------------------|---------------|----------|---------------|----------|---------------|----------|-----------------|----------|
| (Continued)                  |               |          |               |          |               |          |                 |          |
| Offsets                      | PSERS         |          | LEOFF         |          |               |          | WSPRS           |          |
|                              | Plan 2 - 2038 |          | Plan 1 - 2019 |          | Plan 2 - 2034 |          | Plan 1/2 - 2028 |          |
|                              | Male          | Female   | Male          | Female   | Male          | Female   | Male            | Female   |
| 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 |

Improvements in mortality are projected to the year specified for each plan based on 50% of Scale AA.

| Projected Disabled Mortality |               |          |                 |          |               |          |                 |          |                 |          |
|------------------------------|---------------|----------|-----------------|----------|---------------|----------|-----------------|----------|-----------------|----------|
| <i>(Continued)</i>           |               |          |                 |          |               |          |                 |          |                 |          |
|                              | PERS          |          |                 |          | TRS           |          |                 |          | SERS            |          |
|                              | 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 |

Improvements in mortality are projected to the year specified for each plan based on 50% of Scale AA.

| Projected Disabled Mortality |               |          |               |          |               |          |                 |          |
|------------------------------|---------------|----------|---------------|----------|---------------|----------|-----------------|----------|
| (Continued)                  |               |          |               |          |               |          |                 |          |
| Offsets                      | PSERS         |          | LEOFF         |          |               |          | WSPRS           |          |
|                              | Plan 2 - 2038 |          | Plan 1 - 2019 |          | Plan 2 - 2034 |          | Plan 1/2 - 2028 |          |
|                              | Male          | Female   | Male          | Female   | Male          | Female   | Male            | Female   |
| 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 |

Improvements in mortality are projected to the year specified for each plan based on 50% of Scale AA.

| Projected Disabled Mortality |               |          |                 |          |               |          |                 |          |                 |          |
|------------------------------|---------------|----------|-----------------|----------|---------------|----------|-----------------|----------|-----------------|----------|
| (Continued)                  |               |          |                 |          |               |          |                 |          |                 |          |
| Offsets                      | PERS          |          |                 |          | TRS           |          |                 |          | SERS            |          |
|                              | 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   |
| 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 |

Improvements in mortality are projected to the year specified for each plan based on 50% of Scale AA.

| Projected Disabled Mortality |               |          |               |          |               |          |                 |          |
|------------------------------|---------------|----------|---------------|----------|---------------|----------|-----------------|----------|
| (Continued)                  |               |          |               |          |               |          |                 |          |
| Offsets                      | PSERS         |          | LEOFF         |          |               |          | WSPRS           |          |
|                              | Plan 2 - 2038 |          | Plan 1 - 2019 |          | Plan 2 - 2034 |          | Plan 1/2 - 2028 |          |
|                              | Male          | Female   | Male          | Female   | Male          | Female   | Male            | Female   |
| 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 |

Improvements in mortality are projected to the year specified for each plan based on 50% of Scale AA.



| Probability of Disablement |        |        |          |        |        |        |          |        |
|----------------------------|--------|--------|----------|--------|--------|--------|----------|--------|
| Age                        | PERS*  |        |          |        | TRS    |        |          |        |
|                            | Plan 1 |        | Plan 2/3 |        | Plan 1 |        | Plan 2/3 |        |
|                            | 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                         | 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 |

Rates have been rounded for display purposes.

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

| Probability of Disablement |        |        |          |        |        |        |          |        |
|----------------------------|--------|--------|----------|--------|--------|--------|----------|--------|
| <i>(Continued)</i>         |        |        |          |        |        |        |          |        |
| Age                        | PERS*  |        |          |        | TRS    |        |          |        |
|                            | Plan 1 |        | Plan 2/3 |        | Plan 1 |        | Plan 2/3 |        |
|                            | 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                         | 0.0117 | 0.0055 | 0.0102   | 0.0103 | 0.0072 | 0.0073 | 0.0048   | 0.0039 |
| 65                         | 0.0117 | 0.0055 | 0.0102   | 0.0103 | 0.0072 | 0.0073 | 0.0024   | 0.0016 |
| 66                         | 0.0117 | 0.0055 | 0.0102   | 0.0103 | 0.0072 | 0.0073 | 0.0016   | 0.0011 |
| 67                         | 0.0117 | 0.0055 | 0.0102   | 0.0103 | 0.0072 | 0.0073 | 0.0011   | 0.0008 |
| 68                         | 0.0117 | 0.0055 | 0.0102   | 0.0103 | 0.0072 | 0.0073 | 0.0007   | 0.0006 |
| 69                         | 0.0117 | 0.0055 | 0.0102   | 0.0103 | 0.0072 | 0.0073 | 0.0005   | 0.0004 |
| 70                         | 0.0117 | 0.0055 | 0.0102   | 0.0103 | 0.0072 | 0.0073 | 0.0003   | 0.0003 |
| 71                         | 0.0117 | 0.0055 | 0.0102   | 0.0103 | 0.0072 | 0.0073 | 0.0002   | 0.0002 |
| 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 |                  |        |                 |        |                              |        |                    |
|----------------------------|------------------|--------|-----------------|--------|------------------------------|--------|--------------------|
| Age                        | SERS<br>Plan 2/3 |        | PSERS<br>Plan 2 |        | LEOFF*<br>Plan 1      Plan 2 |        | WSPRS*<br>Plan 1/2 |
|                            | 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                         | 0.0000           | 0.0001 | 0.0001          | 0.0001 | 0.0121                       | 0.0011 | 0.0006             |
| 34                         | 0.0001           | 0.0001 | 0.0001          | 0.0002 | 0.0135                       | 0.0012 | 0.0006             |
| 35                         | 0.0001           | 0.0002 | 0.0002          | 0.0002 | 0.0149                       | 0.0013 | 0.0007             |
| 36                         | 0.0001           | 0.0002 | 0.0002          | 0.0002 | 0.0163                       | 0.0015 | 0.0007             |
| 37                         | 0.0001           | 0.0002 | 0.0002          | 0.0003 | 0.0190                       | 0.0018 | 0.0008             |
| 38                         | 0.0002           | 0.0002 | 0.0002          | 0.0003 | 0.0205                       | 0.0020 | 0.0008             |
| 39                         | 0.0002           | 0.0002 | 0.0002          | 0.0003 | 0.0220                       | 0.0021 | 0.0009             |
| 40                         | 0.0003           | 0.0002 | 0.0002          | 0.0003 | 0.0235                       | 0.0023 | 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             |

Rates have been rounded for display purposes.

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

| Probability of Disablement |          |        |        |        |        |        |          |
|----------------------------|----------|--------|--------|--------|--------|--------|----------|
| <i>(Continued)</i>         |          |        |        |        |        |        |          |
| Age                        | SERS     |        | PSERS  |        | LEOFF* |        | WSPRS*   |
|                            | Plan 2/3 |        | Plan 2 |        | Plan 1 | Plan 2 | Plan 1/2 |
|                            | 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                         | 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   |

*Rates have been rounded for display purposes.*

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

| Probability of Termination |           |        |           |        |           |        |        |        |               |               |               |
|----------------------------|-----------|--------|-----------|--------|-----------|--------|--------|--------|---------------|---------------|---------------|
| Years of Service           | PERS      |        | TRS       |        | SERS      |        | PSERS  |        | LEOFF         |               | WSPRS         |
|                            | All Plans |        | All Plans |        | All Plans |        | Plan 2 |        | Plan 1        | Plan 2        | All Plans     |
|                            | Male      | Female | Male      | Female | Male      | Female | Male   | Female | Male & Female | Male & Female | Male & 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        |

Rates have been rounded for display purposes.

| Probability of Vesting upon Termination*        |                            |                            |                            |                            |                            |                            |                            |                            |                  |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------|
| <i>(for those not eligible to retire early)</i> |                            |                            |                            |                            |                            |                            |                            |                            |                  |
| Service<br>Years                                | PERS                       |                            | TRS                        |                            | SERS                       | PSERS                      | LEOFF                      |                            | WSPRS            |
|   | Plan 1<br>Male &<br>Female | Plan 2<br>Male &<br>Female | Plan 1<br>Male &<br>Female | Plan 2<br>Male &<br>Female | Plan 2<br>Male &<br>Female | Plan 2<br>Male &<br>Female | Plan 1<br>Male &<br>Female | Plan 2<br>Male &<br>Female | Male &<br>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* |        |        |        |        |        |        |       |        |       |        |       |        |
|---|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|
| Age                                     | PERS 1 |        | PERS 2 |        | PERS 3 |        | TRS 1 |        | TRS 2 |        | TRS 3 |        |
|   | 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   |

Rates have been rounded for display purposes.

\*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 Survivors Selecting Annuities* |        |        |        |        |        |        |       |        |       |        |       |        |
|---|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|
| (Continued)                             |        |        |        |        |        |        |       |        |       |        |       |        |
| Age                                     | PERS 1 |        | PERS 2 |        | PERS 3 |        | TRS 1 |        | TRS 2 |        | TRS 3 |        |
|   | 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   |

Rates have been rounded for display purposes.

\*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 Survivors Selecting Annuities* |        |        |        |        |       |        |         |         |         |         |      |
|---|--------|--------|--------|--------|-------|--------|---------|---------|---------|---------|------|
| Age                                     | SERS 2 |        | SERS 3 |        | PSERS |        | LEOFF 1 | LEOFF 2 | WSPRS 1 | WSPRS 2 |      |
|   | 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    | 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 |
| 22                                      | 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 |
| 24                                      | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 |
| 25                                      | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  | 0.00   | 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    | 0.00 |
| 27                                      | 0.00   | 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    | 0.00 |
| 29                                      | 0.00   | 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    | 0.00 |
| 31                                      | 0.00   | 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    | 0.00 |
| 33                                      | 0.00   | 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    | 0.00 |
| 35                                      | 0.00   | 0.00   | 0.00   | 0.35   | 0.00  | 0.00   | 0.00    | 0.07    | 0.00    | 0.00    | 0.07 |
| 36                                      | 0.00   | 0.00   | 0.00   | 0.35   | 0.00  | 0.00   | 0.00    | 0.07    | 0.00    | 0.00    | 0.07 |
| 37                                      | 0.00   | 0.00   | 0.00   | 0.35   | 0.00  | 0.00   | 0.00    | 0.07    | 0.00    | 0.00    | 0.07 |
| 38                                      | 0.00   | 0.00   | 0.00   | 0.35   | 0.00  | 0.00   | 0.00    | 0.07    | 0.00    | 0.00    | 0.07 |
| 39                                      | 0.00   | 0.00   | 0.00   | 0.35   | 0.00  | 0.00   | 0.00    | 0.07    | 0.00    | 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    | 0.17 |
| 41                                      | 0.06   | 0.00   | 0.24   | 0.35   | 0.06  | 0.05   | 0.57    | 0.17    | 0.57    | 0.17    | 0.17 |
| 42                                      | 0.06   | 0.00   | 0.24   | 0.35   | 0.06  | 0.05   | 0.57    | 0.17    | 0.57    | 0.17    | 0.17 |
| 43                                      | 0.06   | 0.00   | 0.24   | 0.35   | 0.06  | 0.05   | 0.57    | 0.17    | 0.57    | 0.17    | 0.17 |
| 44                                      | 0.06   | 0.00   | 0.24   | 0.35   | 0.06  | 0.05   | 0.57    | 0.17    | 0.57    | 0.17    | 0.17 |
| 45                                      | 0.15   | 0.04   | 0.36   | 0.40   | 0.10  | 0.05   | 0.57    | 0.27    | 0.57    | 0.27    | 0.27 |
| 46                                      | 0.15   | 0.04   | 0.36   | 0.40   | 0.10  | 0.05   | 0.57    | 0.27    | 0.57    | 0.27    | 0.27 |
| 47                                      | 0.15   | 0.04   | 0.36   | 0.40   | 0.10  | 0.05   | 0.57    | 0.27    | 0.57    | 0.27    | 0.27 |
| 48                                      | 0.15   | 0.04   | 0.36   | 0.40   | 0.10  | 0.05   | 0.57    | 0.27    | 0.57    | 0.27    | 0.27 |
| 49                                      | 0.15   | 0.04   | 0.36   | 0.40   | 0.10  | 0.05   | 0.57    | 0.27    | 0.57    | 0.27    | 0.27 |

Rates have been rounded for display purposes.

\*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 Survivors Selecting Annuities* |        |        |        |        |       |        |         |         |         |         |  |
|---|--------|--------|--------|--------|-------|--------|---------|---------|---------|---------|--|
| (Continued)                             |        |        |        |        |       |        |         |         |         |         |  |
| Age                                     | SERS 2 |        | SERS 3 |        | PSERS |        | LEOFF 1 | LEOFF 2 | WSPRS 1 | WSPRS 2 |  |
|   | 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    |  |

Rates have been rounded for display purposes.

\*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* |               |     |               |
|-----------------------------|---------------|-----|---------------|
| Age                         | Male & Female | Age | Male & 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 |                             |                        |                                    |         |                        |                        |                       |
|--------------------------|-----------------------------|------------------------|------------------------------------|---------|------------------------|------------------------|-----------------------|
| Years Early              | PERS 2/3, TRS 2/3, SERS 2/3 | WSPRS 2, PERS 1, TRS 1 | PSERS 2, PERS 1, TV, WSPRS 1/2, TV | LEOFF 2 | LEOFF 2 Subsidized 3%* | PSERS 2 Subsidized 3%* | Plan 2/3 Subsidized** |
|                          | 0                           | 1.000                  | 1.000                              | 1.000   | 1.000                  | 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 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 Compensation 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 |
| <b>PERS 1*</b>   |                               |                                 |  |                 |
| Males            | 25%                           | 30                              | 0.64                                     | 2.5%            |
| Females          | 1%                            | 17                              | 0.01                                     | 0.1%            |
| <b>WSPRS 1**</b> |                               |                                 |  |                 |
| 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.*

*\*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.*

| Certain and Life Annuities: 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) |             |               |
|--|-------------|---------------|
| System                                       | Male Member | Female 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 Beneficiary age.*

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

\*See 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%          |

\*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 duty-related; 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\***

| System  | Plans | Male Members | Female 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.

\*\*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.

**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.

## 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<br>(Current Disabilities) |                          |
|---|--------------------------|
| Family Member                                 | Percent of 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 employer-provided policies.

## Assumed Premiums

| Disabilities   |               |                |                |
|--|---------------|----------------|----------------|
| <i>(Used for Future Disabilities and Current Disabilities Who Have Missing Values)</i> |               |                |                |
| Coverage Type  | Family Member | Category       | Annual Premium |
| <b>COBRA</b>   |               |                |                |
|  | Member        | Pre-Medicare   | \$10,376.62    |
|  | Spouse        | Pre-Medicare   | 5,807.57       |
|  | Child         | Pre-Medicare   | \$3,058.40     |
| <b>Employer</b>  |               |                |                |
|  | 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     |
| <b>Total Disabilities</b>  |               |                |                |
| <b>State-Provided Medicare Subsidy</b>   |               |                |                |
|  | Age           | Annual Subsidy |                |
|  | Less than 25  | \$6,472.80     |                |
|  | 25-27         | 4,084.80       |                |
|  | 28 and Above  | \$1,156.80     |                |
| <b>Future Survivors</b>  |               |                |                |
| <i>(Covered under PEBB Options)</i>  |               |                |                |
| Family Member  | Category      | Annual Premium |                |
|  |               | Medical        | Dental         |
| <b>Survivor</b>  |               |                |                |
|  | Pre-Medicare  | \$6,115.56     | \$571.56       |
|  | Medicare      | \$2,329.56     | \$571.56       |
| <b>Child</b>   |               |                |                |
|  | 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               |
| <b>COBRA</b>                              |                                       |                               |                               |
|   | Future Disabilities                   | Upon Benefit Commencement     | 2.5 Years after Commencement* |
|   | Current Disabilities                  | Upon Benefit Commencement     | 29 Months after Commencement  |
| <b>Employer/PEBB</b>                      |                                       |                               |                               |
|   | Survivors and Spouses of Disabilities | Upon Benefit Commencement     | Age 65**                      |
|   | Disabilities                          | Upon Benefit Commencement     | 29 Months after Commencement  |
|   | Child                                 | Upon Benefit Commencement     | 10 Years after Commencement** |
| <b>Medicare</b>                           |                                       |                               |                               |
|   | Future Disabilities                   | 2.5 Years after Commencement* | Paid for Life                 |
|   | Current Disabilities                  | 29 Months after Commencement  | Paid for Life                 |
|   | Survivors and Spouses of Disabilities | Age 65**                      | Paid for Life**               |
| <b>State-Provided Medicare Subsidy***</b> |                                       |                               |                               |
|   | Current and Future Disabilities       | 29 Months After Commencement  | Paid for Life                 |

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

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

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

## 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 benefits.
- ◆ 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   |
| <b>Effective Date of Plan</b>                          | 10/1/47   | 10/1/77  | 3/1/02   |
| <b>Date Closed to New Entrants</b>                     | 9/30/77   | Open   | Open   |
| <b>Statutory Reference</b>                             | Chapter 41.40 RCW   | Chapter 41.40 RCW  | Chapter 41.40 RCW  |
| <b>Normal Retirement Eligibility (age/service)</b>     | 60/5, 55/25, Any Age/30   | 65/5   | 65/10 or vested  |
| <b>Accrued Benefit Formula</b>                         | 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                     |
| <b>Computation of AFC</b>                              | 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                              |
| <b>Credited Service</b>                                | 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.)                          |
| <b>Vesting</b>   | 5 years   | 5 years  | 10 years (5 under select circumstances)  |
| <b>Vested Benefits Upon Termination</b>                | 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      |
| <b>Early Retirement Eligibility (age/service)</b>      | n/a   | 55/20  | 55/10  |
| <b>Early Retirement Reduction Factors</b>              | 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 |
| <b>Disability Retirement Benefit</b>                   | Non-duty: reduced accrued benefit; Duty: temporary annuity plus deferred retirement allowance | Accrued benefit, actuarially reduced   | Accrued benefit, actuarially reduced   |
| <b>COLA</b>  | \$2.06 per month/YOS* on 7/1/13   | Lesser of CPI** or 3%  | Lesser of CPI** or 3%  |
| <b>Minimum Benefit per Month</b>                       | \$48.63* per YOS on 7/1/13, \$1,639.09* for select annuitants                                 | n/a  | n/a  |
| <b>Changes in Plan Provisions Since Last Valuation</b> | 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.

| <b>Summary of Plan Provisions - TRS</b><br>(Continued) |   |  |  |
|--|---|--|--|
|  | <b>Plan 1</b>   | <b>Plan 2</b>  | <b>Plan 3</b>  |
| <b>Effective Date of Plan</b>                          | 3/1/38  | 10/1/77  | 7/1/96   |
| <b>Date Closed to New Entrants</b>                     | 9/30/77   | Open   | Open   |
| <b>Statutory Reference</b>                             | Chapter 41.32 RCW   | Chapter 41.32 RCW  | Chapter 41.32 RCW  |
| <b>Normal Retirement Eligibility (age/service)</b>     | 60/5, 55/25, Any Age/30   | 65/5   | 65/10 or vested  |
| <b>Accrued Benefit Formula</b>                         | 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                     |
| <b>Computation of AFC</b>                              | 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                              |
| <b>Credited Service</b>                                | 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                           |
| <b>Vesting</b>   | 5 years   | 5 years  | 10 years (5 under select circumstances)  |
| <b>Vested Benefits Upon Termination</b>                | 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      |
| <b>Early Retirement Eligibility (age/service)</b>      | n/a   | 55/20  | 55/10  |
| <b>Early Retirement Reduction Factors</b>              | 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 |
| <b>Disability Retirement Benefit</b>                   | Accrued benefit   | Accrued benefit, actuarially reduced   | Accrued benefit, actuarially reduced   |
| <b>COLA</b>  | \$2.06 per month/YOS* on 7/1/13   | Lesser of CPI** or 3%  | Lesser of CPI** or 3%  |
| <b>Minimum Benefit per Month</b>                       | \$48.63* per YOS on 7/1/13, \$1,639.09* for select annuitants                             | n/a  | n/a  |
| <b>Changes in Plan Provisions Since Last Valuation</b> | 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.

| <b>Summary of Plan Provisions - SERS</b><br>(Continued) |  |  |
|---|--|--|
|   | <b>Plan 2</b>  | <b>Plan 3</b>  |
| <b>Effective Date of Plan</b>                           | 9/1/00   | 9/1/00   |
| <b>Date Closed to New Entrants</b>                      | Open   | Open   |
| <b>Statutory Reference</b>                              | Chapter 41.35 RCW  | Chapter 41.35 RCW  |
| <b>Normal Retirement Eligibility (age/service)</b>      | 65/5   | 65/10 or vested  |
| <b>Accrued Benefit Formula</b>                          | 2% x YOS x AFC   | 1% x YOS x AFC; 0.25% per month pre-retirement COLA with 20 years of service                     |
| <b>Computation of AFC</b>                               | Average compensation earnable for the highest 60 consecutive months                              | Average compensation earnable for the highest 60 consecutive months                              |
| <b>Credited Service</b>                                 | Monthly, based on number of months and hours worked during school year                           | Monthly, based on number of months and hours worked during school year                           |
| <b>Vesting</b>  | 5 years  | 10 years (5 under select circumstances)  |
| <b>Vested Benefits Upon Termination</b>                 | Refund of employee contributions plus interest, or deferred retirement allowance                 | Refund of employee contributions plus investment earnings and deferred retirement allowance      |
| <b>Early Retirement Eligibility (age/service)</b>       | 55/20  | 55/10  |
| <b>Early Retirement Reduction Factors</b>               | 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 |
| <b>Disability Retirement Benefit</b>                    | Accrued benefit, actuarially reduced   | Accrued benefit, actuarially reduced   |
| <b>COLA</b>   | Lesser of CPI* or 3%   | Lesser of CPI* or 3%   |
| <b>Minimum Benefit per Month per YOS</b>                | n/a  | n/a  |
| <b>Changes in Plan Provisions Since Last Valuation</b>  | n/a  | n/a  |

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

| Summary of Plan Provision - PSERS<br>(Continued)       |  |
|--|--|
|  | Plan 2   |
| <b>Effective Date of Plan</b>                          | 7/1/06   |
| <b>Date Closed to New Entrants</b>                     | Open   |
| <b>Statutory Reference</b>                             | Chapter 41.37 RCW  |
| <b>Normal Retirement Eligibility (age/service)</b>     | 65/5 Total Service, 60/10 PSERS service  |
| <b>Accrued Benefit Formula</b>                         | 2% x YOS x AFC   |
| <b>Computation of AFS</b>                              | Average compensation earnable for the highest 60 consecutive months              |
| <b>Credited Service</b>                                | Monthly, based on hours worked each month  |
| <b>Vesting</b>   | 5 years  |
| <b>Vested Benefits Upon Termination</b>                | Refund of employee contributions plus interest, or deferred retirement allowance |
| <b>Early Retirement Eligibility (age/service)</b>      | 53/20 Total Service  |
| <b>Early Retirement Reduction Factors</b>              | 3% ERF with 20 YOS, otherwise actuarial  |
| <b>Disability Retirement Benefit</b>                   | Accrued benefit, actuarially reduced from age 60                                 |
| <b>COLA</b>  | Lesser of CPI* or 3%   |
| <b>Minimum Benefit per Month per YOS**</b>             | n/a  |
| <b>Changes in Plan Provisions Since Last Valuation</b> | n/a  |

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

| Summary of Plan Provisions - LEOFF<br>(Continued)      |  |  |
|--|--|--|
|  | Plan 1   | Plan 2   |
| <b>Effective Date of Plan</b>                          | 3/1/70   | 10/1/77  |
| <b>Date Closed to New Entrants</b>                     | 9/30/77  | Open   |
| <b>Statutory Reference</b>                             | Chapter 41.26 RCW  | Chapter 41.26 RCW  |
| <b>Normal Retirement Eligibility (age/service)</b>     | 50/5   | 53/5   |
| <b>Accrued Benefit Formula</b>                         | Accrual % (1%, 1.5%, 2%) x YOS<br>(5, 10, 20) x FAS  | 2% x YOS x AFC; 0.25% per month pre-retirement COLA with 20 years of service   |
| <b>Computation of FAS/AFC</b>                          | 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  |
| <b>Credited Service</b>                                | Monthly, based on hours worked each month  | Monthly, based on hours worked each month  |
| <b>Vesting</b>   | 5 years  | 5 years  |
| <b>Vested Benefits Upon Termination</b>                | 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  |
| <b>Early Retirement Eligibility (age/service)</b>      | n/a  | 50/20  |
| <b>Early Retirement Reduction Factors</b>              | n/a  | 3% ERF with 20 YOS   |
| <b>Disability Retirement Benefit</b>                   | 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 Security and L&I benefits, not to exceed 100% of AFC. |
| <b>COLA</b>  | Full CPI*  | Lesser of CPI* or 3%   |
| <b>Minimum Benefit per Month per YOS</b>               | n/a  | n/a  |
| <b>Changes in Plan Provisions Since Last Valuation</b> | n/a  | Health Insurance Reimbursement (C 287 L 13)  |

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

| <b>Summary of Plan Provision - WSPRS</b><br>(Continued) |  |  |
|---|--|--|
|   | <b>Plan 1</b>  | <b>Plan 2</b>  |
| <b>Effective Date of Plan</b>                           | 6/12/47  | 1/1/03   |
| <b>Date Closed to New Entrants</b>                      | 12/31/02   | Open   |
| <b>Statutory Reference</b>                              | Chapter 43.43 RCW  | Chapter 43.43 RCW  |
| <b>Normal Retirement Eligibility (age/service)</b>      | Age 55, Any Age/25, Mandatory at 65  | Age 55, Any Age/25, Mandatory at 65  |
| <b>Accrued Benefit Formula</b>                          | 2% x YOS x AFC; Maximum 75% AFC  | 2% x YOS x AFC; Maximum 75% AFC  |
| <b>Computation of AFC</b>                               | Average monthly salary of the highest two consecutive years                      | Average monthly salary of the highest 60 consecutive months                      |
| <b>Credited Service</b>                                 | Monthly, based on hours worked each month  | Monthly, based on hours worked each month  |
| <b>Vesting</b>  | 5 years  | 5 years  |
| <b>Vested Benefits Upon Termination</b>                 | Refund of employee contributions plus interest, or deferred retirement allowance | Refund of employee contributions plus interest, or deferred retirement allowance |
| <b>Early Retirement Eligibility (age/service)</b>       | n/a  | n/a  |
| <b>Early Retirement Reduction Factors</b>               | n/a  | n/a  |
| <b>Disability Retirement Benefit</b>                    | 50% comp with offsets, paid from WSPRS operational funds                         | 50% comp with offsets, paid from WSPRS operational funds                         |
| <b>COLA</b>   | Lesser of CPI* or 3%   | Lesser of CPI* or 3%   |
| <b>Minimum Benefit per Month per YOS**</b>              | \$30.98 on 1/1/13  | \$30.98 on 1/1/13  |
| <b>Changes in Plan Provisions Since Last Valuation</b>  | n/a  | n/a  |

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

\*\*Amount increases by 3% annually.



# Age/Service Distributions

| Age and Service Distribution of Active Members<br>(Number of Actives and Average Annual Salary) |                           |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |              |                 |
|---|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|-----------------|
| PERS Plan 1   |                           |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |              |                 |
| Attained Age  | Attained Years of Service |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |              | Total           |
|   | 0                         | 1               | 2               | 3               | 4               | 5-9             | 10-14           | 15-19           | 20-24           | 25-29           | 30-34           | 35-39           | 40 & Over       |              |                 |
| <b>Under 25</b>   | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0            | <b>0</b>        |
|   | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0          | <b>\$0</b>      |
| <b>25-29</b>  | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0            | <b>0</b>        |
|   | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0          | <b>\$0</b>      |
| <b>30-34</b>  | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0            | <b>0</b>        |
|   | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0          | <b>\$0</b>      |
| <b>35-39</b>  | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0            | <b>0</b>        |
|   | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0          | <b>\$0</b>      |
| <b>40-44</b>  | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0            | <b>0</b>        |
|   | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0          | <b>\$0</b>      |
| <b>45-49</b>  | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0            | <b>0</b>        |
|   | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0          | <b>\$0</b>      |
| <b>50-54</b>  | 0                         | 1               | 4               | 0               | 2               | 14              | 13              | 12              | 18              | 21              | 15              | 29              | 0               |              | <b>129</b>      |
|   | \$0                       | *               | \$65,395        | \$0             | \$35,313        | \$37,170        | \$36,748        | \$58,149        | \$52,899        | \$65,008        | \$66,575        | \$66,521        | \$0             |              | <b>\$56,656</b> |
| <b>55-59</b>  | 10                        | 13              | 15              | 20              | 21              | 163             | 202             | 254             | 329             | 314             | 212             | 471             | 23              |              | <b>2,047</b>    |
|   | \$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        |              | <b>\$54,377</b> |
| <b>60-64</b>  | 14                        | 35              | 22              | 32              | 32              | 251             | 303             | 331             | 530             | 435             | 287             | 680             | 164             |              | <b>3,116</b>    |
|   | \$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        |              | <b>\$56,718</b> |
| <b>65-69</b>  | 10                        | 9               | 6               | 16              | 20              | 115             | 122             | 105             | 119             | 131             | 98              | 209             | 131             |              | <b>1,091</b>    |
|   | \$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        |              | <b>\$58,117</b> |
| <b>70 &amp; Over</b>  | 2                         | 3               | 4               | 4               | 4               | 26              | 24              | 24              | 33              | 22              | 13              | 57              | 36              |              | <b>252</b>      |
|   | \$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        |              | <b>\$47,586</b> |
| <b>Total</b>  | <b>36</b>                 | <b>61</b>       | <b>51</b>       | <b>72</b>       | <b>79</b>       | <b>569</b>      | <b>664</b>      | <b>726</b>      | <b>1,029</b>    | <b>923</b>      | <b>625</b>      | <b>1,446</b>    | <b>354</b>      | <b>6,635</b> | <b>\$55,878</b> |
|   | <b>\$48,724</b>           | <b>\$42,452</b> | <b>\$43,701</b> | <b>\$43,020</b> | <b>\$44,070</b> | <b>\$44,095</b> | <b>\$47,677</b> | <b>\$51,427</b> | <b>\$53,505</b> | <b>\$58,897</b> | <b>\$62,448</b> | <b>\$63,783</b> | <b>\$64,509</b> |              |                 |

Average: Age 61.5 Number of Participants: Vested 6,275 Males 2,453 Early Retirement Eligible: 0  
 Service 24.1 Not Vested 360 Females 4,182 Normal Retirement Eligible: 5,318

\*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 2**

| Attained Age         | Attained Years of Service |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |           | Total    |                 |
|----------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------|----------|-----------------|
|                      | 0                         | 1               | 2               | 3               | 4               | 5-9             | 10-14           | 15-19           | 20-24           | 25-29           | 30-34           | 35-39           | 40 & Over |          |                 |
| <b>Under 25</b>      | 739                       | 581             | 216             | 96              | 74              | 41              | 0               | 0               | 0               | 0               | 0               | 0               | 0         | 0        | <b>1,747</b>    |
|                      | \$33,284                  | \$31,725        | \$33,875        | \$36,822        | \$38,515        | \$37,459        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0       | \$0      | <b>\$33,353</b> |
| <b>25-29</b>         | 795                       | 985             | 789             | 576             | 697             | 1,432           | 32              | 0               | 0               | 0               | 0               | 0               | 0         | 0        | <b>5,306</b>    |
|                      | \$36,602                  | \$37,798        | \$41,695        | \$43,768        | \$45,961        | \$47,901        | \$49,626        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0       | \$0      | <b>\$42,717</b> |
| <b>30-34</b>         | 621                       | 856             | 736             | 596             | 934             | 3,772           | 1,286           | 24              | 0               | 0               | 0               | 0               | 0         | 0        | <b>8,825</b>    |
|                      | \$40,308                  | \$42,592        | \$46,314        | \$50,311        | \$49,823        | \$52,809        | \$55,436        | \$58,452        | \$0             | \$0             | \$0             | \$0             | \$0       | \$0      | <b>\$50,310</b> |
| <b>35-39</b>         | 504                       | 661             | 525             | 502             | 789             | 3,655           | 3,443           | 640             | 23              | 0               | 0               | 0               | 0         | 0        | <b>10,742</b>   |
|                      | \$41,692                  | \$45,019        | \$48,434        | \$51,081        | \$52,259        | \$56,001        | \$59,116        | \$59,288        | \$59,038        | \$0             | \$0             | \$0             | \$0       | \$0      | <b>\$54,980</b> |
| <b>40-44</b>         | 483                       | 686             | 560             | 427             | 771             | 3,759           | 4,164           | 2,419           | 866             | 14              | 0               | 0               | 0         | 0        | <b>14,149</b>   |
|                      | \$44,016                  | \$47,066        | \$50,716        | \$49,912        | \$52,648        | \$55,883        | \$61,171        | \$63,587        | \$63,686        | \$62,459        | \$0             | \$0             | \$0       | \$0      | <b>\$57,847</b> |
| <b>45-49</b>         | 409                       | 581             | 461             | 410             | 683             | 3,465           | 3,984           | 2,718           | 2,570           | 677             | 24              | 0               | 0         | 0        | <b>15,982</b>   |
|                      | \$45,093                  | \$45,716        | \$49,330        | \$48,026        | \$52,320        | \$55,604        | \$60,540        | \$64,125        | \$65,598        | \$63,924        | \$58,265        | \$0             | \$0       | \$0      | <b>\$59,103</b> |
| <b>50-54</b>         | 383                       | 544             | 490             | 433             | 684             | 3,315           | 4,125           | 3,038           | 3,456           | 2,222           | 894             | 9               | 0         | 0        | <b>19,593</b>   |
|                      | \$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       | \$0      | <b>\$60,691</b> |
| <b>55-59</b>         | 325                       | 400             | 414             | 371             | 564             | 2,843           | 3,854           | 3,072           | 3,829           | 2,735           | 1,805           | 49              | 0         | 0        | <b>20,261</b>   |
|                      | \$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       | \$0      | <b>\$62,014</b> |
| <b>60-64</b>         | 168                       | 205             | 220             | 202             | 329             | 1,857           | 2,524           | 2,319           | 2,917           | 2,049           | 1,302           | 45              | 0         | 0        | <b>14,137</b>   |
|                      | \$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       | \$0      | <b>\$61,016</b> |
| <b>65-69</b>         | 46                        | 72              | 64              | 63              | 121             | 612             | 833             | 716             | 856             | 584             | 297             | 9               | 1         | 1        | <b>4,274</b>    |
|                      | \$51,301                  | \$43,654        | \$43,269        | \$45,762        | \$46,703        | \$54,828        | \$57,745        | \$59,166        | \$61,733        | \$66,768        | \$69,176        | \$67,664        | *         | *        | <b>\$59,421</b> |
| <b>70 &amp; Over</b> | 19                        | 21              | 27              | 23              | 32              | 167             | 189             | 109             | 136             | 86              | 47              | 5               | 0         | 0        | <b>861</b>      |
|                      | \$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       | \$0      | <b>\$50,570</b> |
| <b>Total</b>         | <b>4,492</b>              | <b>5,592</b>    | <b>4,502</b>    | <b>3,699</b>    | <b>5,678</b>    | <b>24,918</b>   | <b>24,434</b>   | <b>15,055</b>   | <b>14,653</b>   | <b>8,367</b>    | <b>4,369</b>    | <b>117</b>      | <b>1</b>  | <b>1</b> | <b>115,877</b>  |
|                      | <b>\$41,098</b>           | <b>\$42,204</b> | <b>\$46,856</b> | <b>\$49,178</b> | <b>\$50,639</b> | <b>\$54,483</b> | <b>\$59,252</b> | <b>\$62,559</b> | <b>\$65,069</b> | <b>\$68,128</b> | <b>\$70,602</b> | <b>\$67,857</b> | <b>*</b>  | <b>*</b> | <b>\$57,718</b> |

|          |         |      |                         |            |        |         |        |                             |               |
|----------|---------|------|-------------------------|------------|--------|---------|--------|-----------------------------|---------------|
| Average: | Age     | 48.4 | Number of Participants: | Vested     | 88,630 | Males   | 55,784 | Early Retirement Eligible:  | <b>14,854</b> |
|          | Service | 12.5 |                         | Not Vested | 27,247 | Females | 60,093 | Normal Retirement Eligible: | <b>4,656</b>  |

\*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 Age         | Attained Years of Service |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |            | Total      |                 |
|----------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------|------------|-----------------|
|                      | 0                         | 1               | 2               | 3               | 4               | 5-9             | 10-14           | 15-19           | 20-24           | 25-29           | 30-34           | 35-39           | 40 & Over  |            |                 |
| <b>Under 25</b>      | 520                       | 388             | 149             | 51              | 40              | 21              | 0               | 0               | 0               | 0               | 0               | 0               | 0          | 0          | <b>1,169</b>    |
|                      | \$31,613                  | \$29,227        | \$33,434        | \$32,586        | \$36,056        | \$37,242        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$31,349</b> |
| <b>25-29</b>         | 426                       | 653             | 450             | 315             | 367             | 675             | 4               | 0               | 0               | 0               | 0               | 0               | 0          | 0          | <b>2,890</b>    |
|                      | \$36,240                  | \$35,162        | \$40,034        | \$41,802        | \$43,855        | \$46,970        | \$57,597        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$40,696</b> |
| <b>30-34</b>         | 273                       | 481             | 357             | 292             | 472             | 1,718           | 118             | 1               | 0               | 0               | 0               | 0               | 0          | 0          | <b>3,712</b>    |
|                      | \$38,129                  | \$40,960        | \$44,425        | \$45,872        | \$49,934        | \$52,850        | \$57,650        | *               | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$48,645</b> |
| <b>35-39</b>         | 220                       | 307             | 265             | 204             | 336             | 1,532           | 401             | 108             | 2               | 0               | 0               | 0               | 0          | 0          | <b>3,375</b>    |
|                      | \$39,348                  | \$41,908        | \$43,549        | \$51,272        | \$50,082        | \$54,738        | \$60,674        | \$64,495        | \$70,630        | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$52,043</b> |
| <b>40-44</b>         | 155                       | 275             | 212             | 165             | 275             | 1,302           | 502             | 396             | 167             | 0               | 0               | 0               | 0          | 0          | <b>3,449</b>    |
|                      | \$38,696                  | \$42,080        | \$46,299        | \$49,139        | \$52,038        | \$56,351        | \$61,767        | \$66,154        | \$67,664        | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$55,575</b> |
| <b>45-49</b>         | 151                       | 242             | 197             | 150             | 232             | 1,084           | 386             | 422             | 548             | 113             | 2               | 0               | 0          | 0          | <b>3,527</b>    |
|                      | \$39,176                  | \$42,794        | \$47,197        | \$48,522        | \$50,571        | \$56,106        | \$65,221        | \$68,310        | \$71,495        | \$73,565        | \$66,335        | \$0             | \$0        | \$0        | <b>\$58,697</b> |
| <b>50-54</b>         | 113                       | 184             | 160             | 158             | 231             | 1,042           | 382             | 432             | 697             | 455             | 115             | 0               | 0          | 0          | <b>3,969</b>    |
|                      | \$41,068                  | \$41,997        | \$45,728        | \$45,283        | \$49,194        | \$54,771        | \$61,570        | \$67,357        | \$68,899        | \$72,725        | \$66,860        | \$0             | \$0        | \$0        | <b>\$59,636</b> |
| <b>55-59</b>         | 92                        | 108             | 126             | 101             | 182             | 810             | 352             | 351             | 592             | 455             | 270             | 5               | 0          | 0          | <b>3,444</b>    |
|                      | \$40,575                  | \$40,161        | \$48,027        | \$50,232        | \$51,301        | \$56,344        | \$59,591        | \$61,564        | \$70,098        | \$73,377        | \$72,125        | \$70,082        | \$0        | \$0        | <b>\$61,401</b> |
| <b>60-64</b>         | 51                        | 76              | 74              | 66              | 90              | 500             | 209             | 201             | 330             | 246             | 117             | 4               | 0          | 0          | <b>1,964</b>    |
|                      | \$40,708                  | \$48,866        | \$44,329        | \$47,603        | \$50,023        | \$54,579        | \$59,035        | \$60,704        | \$63,599        | \$66,438        | \$75,742        | \$88,179        | \$0        | \$0        | <b>\$58,599</b> |
| <b>65-69</b>         | 8                         | 29              | 28              | 22              | 29              | 166             | 49              | 38              | 50              | 39              | 14              | 0               | 0          | 0          | <b>472</b>      |
|                      | \$32,092                  | \$38,184        | \$57,303        | \$61,132        | \$62,567        | \$52,808        | \$61,293        | \$56,192        | \$60,482        | \$64,013        | \$68,604        | \$0             | \$0        | \$0        | <b>\$56,173</b> |
| <b>70 &amp; Over</b> | 2                         | 10              | 12              | 13              | 5               | 38              | 14              | 3               | 5               | 4               | 1               | 0               | 0          | 0          | <b>107</b>      |
|                      | \$94,782                  | \$32,479        | \$33,776        | \$41,519        | \$45,230        | \$53,790        | \$57,421        | \$86,391        | \$53,511        | \$83,678        | *               | \$0             | \$0        | \$0        | <b>\$51,012</b> |
| <b>Total</b>         | <b>2,011</b>              | <b>2,753</b>    | <b>2,030</b>    | <b>1,537</b>    | <b>2,259</b>    | <b>8,888</b>    | <b>2,417</b>    | <b>1,952</b>    | <b>2,391</b>    | <b>1,312</b>    | <b>519</b>      | <b>9</b>        | <b>0</b>   | <b>0</b>   | <b>28,078</b>   |
|                      | <b>\$36,675</b>           | <b>\$38,506</b> | <b>\$43,433</b> | <b>\$46,405</b> | <b>\$49,234</b> | <b>\$54,246</b> | <b>\$61,310</b> | <b>\$65,232</b> | <b>\$68,766</b> | <b>\$71,619</b> | <b>\$71,640</b> | <b>\$78,125</b> | <b>\$0</b> | <b>\$0</b> | <b>\$53,579</b> |

|          |         |      |                         |            |        |         |        |                             |              |
|----------|---------|------|-------------------------|------------|--------|---------|--------|-----------------------------|--------------|
| Average: | Age     | 43.5 | Number of Participants: | Vested     | 11,412 | Males   | 13,151 | Early Retirement Eligible:  | <b>3,210</b> |
|          | Service | 8.7  |                         | Not Vested | 16,666 | Females | 14,927 | Normal Retirement Eligible: | <b>404</b>   |

\*Annual Salary omitted for privacy reasons.

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

**Age and Service Distribution of Active Members**  
**(Number of Actives and Average Annual Salary)**

*(Continued)*

**TRS Plan 1**

| Attained Age         | Attained Years of Service |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | Total |                 |
|----------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|-----------------|
|                      | 0                         | 1               | 2               | 3               | 4               | 5-9             | 10-14           | 15-19           | 20-24           | 25-29           | 30-34           | 35-39           | 40 & Over       |       |                 |
| <b>Under 25</b>      | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0     | <b>0</b>        |
|                      | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0   | <b>\$0</b>      |
| <b>25-29</b>         | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0     | <b>0</b>        |
|                      | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0   | <b>\$0</b>      |
| <b>30-34</b>         | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0     | <b>0</b>        |
|                      | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0   | <b>\$0</b>      |
| <b>35-39</b>         | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0     | <b>0</b>        |
|                      | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0   | <b>\$0</b>      |
| <b>40-44</b>         | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0     | <b>0</b>        |
|                      | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0   | <b>\$0</b>      |
| <b>45-49</b>         | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0     | <b>0</b>        |
|                      | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0   | <b>\$0</b>      |
| <b>50-54</b>         | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0     | <b>0</b>        |
|                      | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0   | <b>\$0</b>      |
| <b>55-59</b>         | 0                         | 0               | 3               | 1               | 3               | 15              | 23              | 45              | 63              | 86              | 141             | 216             | 0               |       | <b>596</b>      |
|                      | \$0                       | \$0             | \$66,286        | *               | \$64,798        | \$60,849        | \$68,569        | \$67,013        | \$71,612        | \$76,095        | \$77,390        | \$78,114        | \$0             |       | <b>\$75,173</b> |
| <b>60-64</b>         | 0                         | 0               | 0               | 3               | 5               | 37              | 75              | 111             | 244             | 268             | 290             | 592             | 94              |       | <b>1,719</b>    |
|                      | \$0                       | \$0             | \$0             | \$77,611        | \$57,823        | \$58,655        | \$63,626        | \$70,161        | \$73,106        | \$76,763        | \$79,668        | \$77,703        | \$81,780        |       | <b>\$75,889</b> |
| <b>65-69</b>         | 1                         | 2               | 0               | 2               | 1               | 19              | 43              | 45              | 109             | 89              | 65              | 108             | 127             |       | <b>611</b>      |
|                      | *                         | \$40,685        | \$0             | \$67,059        | *               | \$57,796        | \$68,496        | \$71,460        | \$73,177        | \$76,305        | \$76,760        | \$82,768        | \$80,155        |       | <b>\$76,051</b> |
| <b>70 &amp; Over</b> | 1                         | 1               | 2               | 1               | 2               | 5               | 4               | 8               | 7               | 5               | 12              | 12              | 33              |       | <b>93</b>       |
|                      | *                         | *               | \$66,066        | *               | \$55,765        | \$71,236        | \$74,749        | \$63,241        | \$79,044        | \$73,525        | \$73,087        | \$74,195        | \$74,850        |       | <b>\$72,676</b> |
| <b>Total</b>         | <b>2</b>                  | <b>3</b>        | <b>5</b>        | <b>7</b>        | <b>11</b>       | <b>76</b>       | <b>145</b>      | <b>209</b>      | <b>423</b>      | <b>448</b>      | <b>508</b>      | <b>928</b>      | <b>254</b>      |       | <b>3,019</b>    |
|                      | <b>\$52,000</b>           | <b>\$53,546</b> | <b>\$66,198</b> | <b>\$70,787</b> | <b>\$59,992</b> | <b>\$59,701</b> | <b>\$66,161</b> | <b>\$69,498</b> | <b>\$73,000</b> | <b>\$76,507</b> | <b>\$78,508</b> | <b>\$78,343</b> | <b>\$80,067</b> |       | <b>\$75,681</b> |

|          |         |      |                         |            |       |         |       |                             |              |
|----------|---------|------|-------------------------|------------|-------|---------|-------|-----------------------------|--------------|
| Average: | Age     | 62.3 | Number of Participants: | Vested     | 2,989 | Males   | 710   | Early Retirement Eligible:  | <b>0</b>     |
|          | Service | 29.3 |                         | Not Vested | 30    | Females | 2,309 | Normal Retirement Eligible: | <b>2,844</b> |

\*Annual Salary omitted for privacy reasons.

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

**Age and Service Distribution of Active Members  
(Number of Actives and Average Annual Salary)**

*(Continued)*

**TRS Plan 2**

| Attained Age         | Attained Years of Service |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |            | Total      |                 |
|----------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------|------------|-----------------|
|                      | 0                         | 1               | 2               | 3               | 4               | 5-9             | 10-14           | 15-19           | 20-24           | 25-29           | 30-34           | 35-39           | 40 & Over  |            |                 |
| <b>Under 25</b>      | 12                        | 104             | 22              | 3               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0          | 0          | <b>141</b>      |
|                      | \$47,954                  | \$48,564        | \$42,478        | \$41,293        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$47,408</b> |
| <b>25-29</b>         | 44                        | 476             | 431             | 220             | 262             | 187             | 0               | 0               | 0               | 0               | 0               | 0               | 0          | 0          | <b>1,620</b>    |
|                      | \$53,706                  | \$50,886        | \$45,138        | \$45,424        | \$46,757        | \$47,295        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$47,609</b> |
| <b>30-34</b>         | 29                        | 261             | 286             | 162             | 249             | 248             | 0               | 0               | 0               | 0               | 0               | 0               | 0          | 0          | <b>1,235</b>    |
|                      | \$55,226                  | \$53,331        | \$48,487        | \$50,410        | \$49,053        | \$51,458        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$50,632</b> |
| <b>35-39</b>         | 14                        | 139             | 154             | 99              | 128             | 122             | 0               | 7               | 0               | 0               | 0               | 0               | 0          | 0          | <b>663</b>      |
|                      | \$52,601                  | \$53,229        | \$48,299        | \$50,446        | \$50,651        | \$53,606        | \$0             | \$68,274        | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$51,385</b> |
| <b>40-44</b>         | 20                        | 116             | 94              | 80              | 109             | 161             | 99              | 308             | 26              | 0               | 0               | 0               | 0          | 0          | <b>1,013</b>    |
|                      | \$53,922                  | \$55,955        | \$52,723        | \$49,928        | \$51,575        | \$53,565        | \$67,515        | \$74,990        | \$75,029        | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$61,695</b> |
| <b>45-49</b>         | 8                         | 88              | 92              | 82              | 91              | 190             | 144             | 317             | 250             | 22              | 0               | 0               | 0          | 0          | <b>1,284</b>    |
|                      | \$66,585                  | \$57,595        | \$50,902        | \$52,830        | \$52,814        | \$56,937        | \$63,903        | \$74,774        | \$74,782        | \$81,169        | \$0             | \$0             | \$0        | \$0        | <b>\$65,130</b> |
| <b>50-54</b>         | 11                        | 80              | 74              | 60              | 85              | 191             | 171             | 319             | 287             | 198             | 15              | 0               | 0          | 0          | <b>1,491</b>    |
|                      | \$64,815                  | \$54,943        | \$54,710        | \$53,806        | \$52,093        | \$58,767        | \$67,044        | \$72,208        | \$74,062        | \$76,583        | \$73,429        | \$0             | \$0        | \$0        | <b>\$67,107</b> |
| <b>55-59</b>         | 4                         | 54              | 46              | 46              | 68              | 129             | 171             | 399             | 360             | 199             | 197             | 2               | 0          | 0          | <b>1,675</b>    |
|                      | \$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        | \$0        | <b>\$70,176</b> |
| <b>60-64</b>         | 4                         | 23              | 15              | 20              | 34              | 52              | 83              | 307             | 406             | 210             | 112             | 1               | 0          | 0          | <b>1,267</b>    |
|                      | \$78,336                  | \$57,237        | \$63,366        | \$77,839        | \$61,255        | \$64,965        | \$65,474        | \$72,430        | \$73,913        | \$74,023        | \$75,935        | *               | \$0        | \$0        | <b>\$72,131</b> |
| <b>65-69</b>         | 0                         | 2               | 5               | 5               | 8               | 7               | 16              | 130             | 150             | 53              | 36              | 0               | 0          | 0          | <b>412</b>      |
|                      | \$0                       | \$42,807        | \$53,454        | \$56,221        | \$64,163        | \$68,491        | \$67,473        | \$73,655        | \$73,289        | \$71,653        | \$79,896        | \$0             | \$0        | \$0        | <b>\$72,691</b> |
| <b>70 &amp; Over</b> | 1                         | 0               | 3               | 1               | 0               | 1               | 4               | 5               | 23              | 6               | 4               | 0               | 0          | 0          | <b>48</b>       |
|                      | *                         | \$0             | \$48,501        | *               | \$0             | *               | \$65,950        | \$63,009        | \$74,155        | \$70,219        | \$81,737        | \$0             | \$0        | \$0        | <b>\$69,719</b> |
| <b>Total</b>         | <b>147</b>                | <b>1,343</b>    | <b>1,222</b>    | <b>778</b>      | <b>1,034</b>    | <b>1,288</b>    | <b>688</b>      | <b>1,792</b>    | <b>1,502</b>    | <b>688</b>      | <b>364</b>      | <b>3</b>        | <b>0</b>   | <b>0</b>   | <b>10,849</b>   |
|                      | <b>\$55,866</b>           | <b>\$53,013</b> | <b>\$48,539</b> | <b>\$50,557</b> | <b>\$50,507</b> | <b>\$54,593</b> | <b>\$66,338</b> | <b>\$73,204</b> | <b>\$74,107</b> | <b>\$75,450</b> | <b>\$76,863</b> | <b>\$68,590</b> | <b>\$0</b> | <b>\$0</b> | <b>\$61,648</b> |

|          |         |      |                         |            |       |         |       |                             |       |
|----------|---------|------|-------------------------|------------|-------|---------|-------|-----------------------------|-------|
| Average: | Age     | 45.7 | Number of Participants: | Vested     | 5,431 | Males   | 2,601 | Early Retirement Eligible:  | 1,552 |
|          | Service | 11.0 |                         | Not Vested | 5,418 | Females | 8,248 | Normal Retirement Eligible: | 435   |

\*Annual Salary omitted for privacy reasons.

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

**Age and Service Distribution of Active Members  
(Number of Actives and Average Annual Salary)**

*(Continued)*

**TRS Plan 3**

| Attained Age         | Attained Years of Service |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |            | Total      |                 |
|----------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------|------------|-----------------|
|                      | 0                         | 1               | 2               | 3               | 4               | 5-9             | 10-14           | 15-19           | 20-24           | 25-29           | 30-34           | 35-39           | 40 & Over  |            |                 |
| <b>Under 25</b>      | 20                        | 114             | 32              | 2               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0               | 0          | 0          | <b>168</b>      |
|                      | \$50,197                  | \$47,168        | \$42,399        | \$39,710        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$46,532</b> |
| <b>25-29</b>         | 61                        | 466             | 496             | 330             | 446             | 663             | 0               | 0               | 0               | 0               | 0               | 0               | 0          | 0          | <b>2,462</b>    |
|                      | \$53,095                  | \$50,673        | \$46,093        | \$46,573        | \$46,876        | \$50,607        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$48,555</b> |
| <b>30-34</b>         | 36                        | 281             | 296             | 293             | 446             | 4,081           | 660             | 0               | 0               | 0               | 0               | 0               | 0          | 0          | <b>6,093</b>    |
|                      | \$57,169                  | \$53,913        | \$48,943        | \$49,095        | \$50,223        | \$54,151        | \$61,301        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$54,149</b> |
| <b>35-39</b>         | 22                        | 162             | 165             | 165             | 312             | 2,786           | 3,608           | 331             | 0               | 0               | 0               | 0               | 0          | 0          | <b>7,551</b>    |
|                      | \$61,322                  | \$56,101        | \$51,261        | \$51,904        | \$52,430        | \$57,616        | \$66,182        | \$77,168        | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$62,066</b> |
| <b>40-44</b>         | 22                        | 120             | 125             | 115             | 221             | 1,954           | 2,862           | 2,329           | 328             | 0               | 0               | 0               | 0          | 0          | <b>8,076</b>    |
|                      | \$59,569                  | \$58,888        | \$52,129        | \$50,044        | \$52,872        | \$58,427        | \$67,998        | \$76,605        | \$77,979        | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$67,496</b> |
| <b>45-49</b>         | 21                        | 104             | 89              | 94              | 140             | 1,328           | 1,576           | 1,570           | 1,803           | 230             | 0               | 0               | 0          | 0          | <b>6,955</b>    |
|                      | \$62,210                  | \$53,495        | \$49,206        | \$51,577        | \$52,215        | \$58,869        | \$67,821        | \$74,970        | \$78,223        | \$79,653        | \$0             | \$0             | \$0        | \$0        | <b>\$69,810</b> |
| <b>50-54</b>         | 14                        | 58              | 66              | 61              | 86              | 1,166           | 1,519           | 1,194           | 1,573           | 1,523           | 208             | 0               | 0          | 0          | <b>7,468</b>    |
|                      | \$63,636                  | \$58,171        | \$51,236        | \$52,797        | \$52,542        | \$58,295        | \$67,903        | \$74,453        | \$76,460        | \$79,200        | \$80,743        | \$0             | \$0        | \$0        | <b>\$71,383</b> |
| <b>55-59</b>         | 10                        | 33              | 33              | 40              | 56              | 900             | 1,365           | 1,116           | 1,378           | 1,115           | 1,275           | 6               | 0          | 0          | <b>7,327</b>    |
|                      | \$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        | \$0        | <b>\$72,109</b> |
| <b>60-64</b>         | 3                         | 11              | 10              | 14              | 31              | 446             | 892             | 823             | 1,009           | 647             | 524             | 4               | 0          | 0          | <b>4,414</b>    |
|                      | \$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        | \$0        | <b>\$72,453</b> |
| <b>65-69</b>         | 0                         | 5               | 5               | 4               | 3               | 103             | 188             | 143             | 234             | 138             | 88              | 0               | 0          | 0          | <b>911</b>      |
|                      | \$0                       | \$59,307        | \$65,228        | \$63,606        | \$96,029        | \$63,199        | \$69,106        | \$72,494        | \$74,285        | \$78,433        | \$75,835        | \$0             | \$0        | \$0        | <b>\$72,353</b> |
| <b>70 &amp; Over</b> | 0                         | 0               | 0               | 1               | 0               | 11              | 21              | 10              | 10              | 5               | 6               | 0               | 0          | 0          | <b>64</b>       |
|                      | \$0                       | \$0             | \$0             | *               | \$0             | \$60,911        | \$69,198        | \$68,852        | \$67,278        | \$77,841        | \$76,540        | \$0             | \$0        | \$0        | <b>\$68,251</b> |
| <b>Total</b>         | <b>209</b>                | <b>1,354</b>    | <b>1,317</b>    | <b>1,119</b>    | <b>1,741</b>    | <b>13,438</b>   | <b>12,691</b>   | <b>7,516</b>    | <b>6,335</b>    | <b>3,658</b>    | <b>2,101</b>    | <b>10</b>       | <b>0</b>   | <b>0</b>   | <b>51,489</b>   |
|                      | <b>\$57,873</b>           | <b>\$53,410</b> | <b>\$48,753</b> | <b>\$49,511</b> | <b>\$50,781</b> | <b>\$56,785</b> | <b>\$67,016</b> | <b>\$75,113</b> | <b>\$76,544</b> | <b>\$78,191</b> | <b>\$78,932</b> | <b>\$78,246</b> | <b>\$0</b> | <b>\$0</b> | <b>\$66,191</b> |

|              |      |                                |        |         |        |                             |        |
|--------------|------|--------------------------------|--------|---------|--------|-----------------------------|--------|
| Average: Age | 45.7 | Number of Participants: Vested | 34,558 | Males   | 14,924 | Early Retirement Eligible:  | 10,444 |
| Service      | 13.3 | Not Vested                     | 16,931 | Females | 36,565 | Normal Retirement Eligible: | 952    |

\*Annual Salary omitted for privacy reasons.

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

**Age and Service Distribution of Active Members  
(Number of Actives and Average Annual Salary)**

*(Continued)*

**SERS Plan 2**

| Attained Age         | Attained Years of Service |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |            | Total      |                 |
|----------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------|------------|-----------------|
|                      | 0                         | 1               | 2               | 3               | 4               | 5-9             | 10-14           | 15-19           | 20-24           | 25-29           | 30-34           | 35-39           | 40 & Over  |            |                 |
| <b>Under 25</b>      | 39                        | 106             | 43              | 19              | 17              | 8               | 0               | 0               | 0               | 0               | 0               | 0               | 0          | 0          | <b>232</b>      |
|                      | \$19,000                  | \$19,797        | \$24,205        | \$25,006        | \$23,935        | \$20,330        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$21,228</b> |
| <b>25-29</b>         | 62                        | 204             | 151             | 97              | 104             | 52              | 1               | 0               | 0               | 0               | 0               | 0               | 0          | 0          | <b>671</b>      |
|                      | \$20,430                  | \$22,280        | \$23,997        | \$25,441        | \$28,233        | \$31,828        | *               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$24,635</b> |
| <b>30-34</b>         | 77                        | 172             | 137             | 88              | 101             | 119             | 78              | 1               | 0               | 0               | 0               | 0               | 0          | 0          | <b>773</b>      |
|                      | \$20,323                  | \$21,933        | \$28,521        | \$26,242        | \$31,155        | \$32,041        | \$38,630        | *               | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$27,929</b> |
| <b>35-39</b>         | 77                        | 244             | 181             | 125             | 128             | 167             | 178             | 77              | 3               | 0               | 0               | 0               | 0          | 0          | <b>1,180</b>    |
|                      | \$17,558                  | \$21,480        | \$24,771        | \$24,484        | \$25,532        | \$30,228        | \$34,999        | \$34,548        | \$43,872        | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$26,674</b> |
| <b>40-44</b>         | 120                       | 305             | 250             | 217             | 226             | 294             | 365             | 187             | 51              | 5               | 0               | 0               | 0          | 0          | <b>2,020</b>    |
|                      | \$18,053                  | \$19,557        | \$23,199        | \$23,060        | \$24,514        | \$28,183        | \$35,206        | \$36,387        | \$44,104        | \$45,961        | \$0             | \$0             | \$0        | \$0        | <b>\$27,175</b> |
| <b>45-49</b>         | 117                       | 284             | 244             | 211             | 222             | 376             | 752             | 397             | 179             | 37              | 1               | 0               | 0          | 0          | <b>2,820</b>    |
|                      | \$18,795                  | \$20,602        | \$23,287        | \$23,462        | \$25,483        | \$27,450        | \$30,117        | \$33,609        | \$39,484        | \$40,407        | *               | \$0             | \$0        | \$0        | <b>\$28,099</b> |
| <b>50-54</b>         | 103                       | 265             | 236             | 194             | 209             | 427             | 1,226           | 927             | 414             | 116             | 47              | 0               | 0          | 0          | <b>4,164</b>    |
|                      | \$16,081                  | \$21,132        | \$23,090        | \$24,225        | \$25,569        | \$26,767        | \$28,364        | \$31,713        | \$34,739        | \$43,435        | \$53,105        | \$0             | \$0        | \$0        | <b>\$28,882</b> |
| <b>55-59</b>         | 57                        | 222             | 149             | 147             | 177             | 366             | 1,125           | 1,181           | 776             | 198             | 96              | 3               | 0          | 0          | <b>4,497</b>    |
|                      | \$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        | \$0        | <b>\$29,144</b> |
| <b>60-64</b>         | 46                        | 107             | 95              | 90              | 106             | 201             | 611             | 729             | 670             | 301             | 97              | 5               | 0          | 0          | <b>3,058</b>    |
|                      | \$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        | \$0        | <b>\$30,095</b> |
| <b>65-69</b>         | 18                        | 49              | 32              | 42              | 52              | 80              | 184             | 220             | 228             | 141             | 69              | 1               | 0          | 0          | <b>1,116</b>    |
|                      | \$14,444                  | \$17,119        | \$24,367        | \$19,022        | \$26,494        | \$27,184        | \$27,705        | \$31,757        | \$31,862        | \$37,941        | \$41,209        | *               | \$0        | \$0        | <b>\$30,294</b> |
| <b>70 &amp; Over</b> | 6                         | 14              | 12              | 13              | 7               | 26              | 63              | 64              | 45              | 39              | 26              | 0               | 0          | 0          | <b>315</b>      |
|                      | \$15,167                  | \$16,547        | \$16,309        | \$17,286        | \$20,151        | \$17,756        | \$26,068        | \$28,811        | \$27,901        | \$29,283        | \$35,783        | \$0             | \$0        | \$0        | <b>\$25,905</b> |
| <b>Total</b>         | <b>722</b>                | <b>1,972</b>    | <b>1,530</b>    | <b>1,243</b>    | <b>1,349</b>    | <b>2,116</b>    | <b>4,583</b>    | <b>3,783</b>    | <b>2,366</b>    | <b>837</b>      | <b>336</b>      | <b>9</b>        | <b>0</b>   | <b>0</b>   | <b>20,846</b>   |
|                      | <b>\$18,403</b>           | <b>\$20,836</b> | <b>\$24,120</b> | <b>\$23,796</b> | <b>\$25,936</b> | <b>\$27,282</b> | <b>\$29,799</b> | <b>\$31,118</b> | <b>\$32,957</b> | <b>\$39,083</b> | <b>\$44,607</b> | <b>\$48,807</b> | <b>\$0</b> | <b>\$0</b> | <b>\$28,494</b> |

|          |         |      |                         |            |        |         |        |                             |       |
|----------|---------|------|-------------------------|------------|--------|---------|--------|-----------------------------|-------|
| Average: | Age     | 51.3 | Number of Participants: | Vested     | 13,209 | Males   | 4,835  | Early Retirement Eligible:  | 2,165 |
|          | Service | 11.1 |                         | Not Vested | 7,637  | Females | 16,011 | Normal Retirement Eligible: | 1,189 |

\*Annual Salary omitted for privacy reasons.

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

**Age and Service Distribution of Active Members**  
**(Number of Actives and Average Annual Salary)**

*(Continued)*

**SERS Plan 3**

| Attained Age         | Attained Years of Service |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |            | Total      |                 |
|----------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------|------------|-----------------|
|                      | 0                         | 1               | 2               | 3               | 4               | 5-9             | 10-14           | 15-19           | 20-24           | 25-29           | 30-34           | 35-39           | 40 & Over  |            |                 |
| <b>Under 25</b>      | 47                        | 125             | 54              | 25              | 19              | 12              | 0               | 0               | 0               | 0               | 0               | 0               | 0          | 0          | <b>282</b>      |
|                      | \$18,899                  | \$18,546        | \$22,843        | \$20,535        | \$24,130        | \$22,864        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$20,164</b> |
| <b>25-29</b>         | 64                        | 233             | 169             | 102             | 97              | 272             | 13              | 0               | 0               | 0               | 0               | 0               | 0          | 0          | <b>950</b>      |
|                      | \$20,367                  | \$21,944        | \$26,338        | \$25,461        | \$29,536        | \$30,516        | \$38,178        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$26,449</b> |
| <b>30-34</b>         | 64                        | 186             | 144             | 103             | 153             | 582             | 147             | 2               | 0               | 0               | 0               | 0               | 0          | 0          | <b>1,381</b>    |
|                      | \$19,275                  | \$23,044        | \$27,164        | \$24,964        | \$27,728        | \$32,004        | \$35,967        | \$35,085        | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$29,130</b> |
| <b>35-39</b>         | 68                        | 204             | 180             | 128             | 162             | 770             | 265             | 39              | 2               | 0               | 0               | 0               | 0          | 0          | <b>1,818</b>    |
|                      | \$18,040                  | \$20,516        | \$25,105        | \$23,345        | \$25,765        | \$29,087        | \$37,982        | \$41,093        | \$57,092        | \$0             | \$0             | \$0             | \$0        | \$0        | <b>\$28,202</b> |
| <b>40-44</b>         | 103                       | 298             | 263             | 223             | 261             | 1,429           | 521             | 163             | 62              | 5               | 0               | 0               | 0          | 0          | <b>3,328</b>    |
|                      | \$17,229                  | \$19,701        | \$23,239        | \$21,070        | \$21,696        | \$26,929        | \$33,377        | \$43,901        | \$46,913        | \$49,201        | \$0             | \$0             | \$0        | \$0        | <b>\$27,134</b> |
| <b>45-49</b>         | 74                        | 253             | 241             | 231             | 324             | 2,033           | 1,095           | 342             | 198             | 54              | 4               | 0               | 0          | 0          | <b>4,849</b>    |
|                      | \$15,987                  | \$19,869        | \$21,651        | \$20,059        | \$23,868        | \$25,421        | \$31,164        | \$36,093        | \$45,009        | \$45,003        | \$54,659        | \$0             | \$0        | \$0        | <b>\$27,532</b> |
| <b>50-54</b>         | 68                        | 216             | 218             | 197             | 279             | 2,300           | 1,511           | 837             | 544             | 184             | 84              | 2               | 0          | 0          | <b>6,440</b>    |
|                      | \$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        | \$0        | <b>\$29,251</b> |
| <b>55-59</b>         | 43                        | 124             | 114             | 113             | 172             | 1,553           | 1,244           | 1,105           | 1,069           | 350             | 166             | 0               | 0          | 0          | <b>6,053</b>    |
|                      | \$18,645                  | \$20,131        | \$21,976        | \$22,099        | \$21,638        | \$26,836        | \$29,040        | \$30,237        | \$33,668        | \$43,204        | \$49,993        | \$0             | \$0        | \$0        | <b>\$30,175</b> |
| <b>60-64</b>         | 20                        | 43              | 72              | 62              | 91              | 889             | 660             | 607             | 952             | 457             | 134             | 2               | 0          | 0          | <b>3,989</b>    |
|                      | \$14,506                  | \$22,602        | \$22,679        | \$18,957        | \$22,004        | \$27,163        | \$28,831        | \$30,662        | \$32,699        | \$38,108        | \$43,063        | \$41,983        | \$0        | \$0        | <b>\$30,649</b> |
| <b>65-69</b>         | 9                         | 14              | 21              | 21              | 37              | 376             | 213             | 154             | 249             | 166             | 71              | 1               | 0          | 0          | <b>1,332</b>    |
|                      | \$13,317                  | \$15,183        | \$19,365        | \$17,678        | \$20,271        | \$25,309        | \$29,983        | \$30,625        | \$32,434        | \$32,659        | \$38,331        | *               | \$0        | \$0        | <b>\$29,095</b> |
| <b>70 &amp; Over</b> | 4                         | 10              | 13              | 6               | 7               | 126             | 60              | 20              | 23              | 13              | 8               | 0               | 0          | 0          | <b>290</b>      |
|                      | \$19,500                  | \$17,583        | \$19,590        | \$16,272        | \$18,314        | \$21,259        | \$25,147        | \$26,114        | \$24,738        | \$30,801        | \$31,513        | \$0             | \$0        | \$0        | <b>\$22,985</b> |
| <b>Total</b>         | <b>564</b>                | <b>1,706</b>    | <b>1,489</b>    | <b>1,211</b>    | <b>1,602</b>    | <b>10,342</b>   | <b>5,729</b>    | <b>3,269</b>    | <b>3,099</b>    | <b>1,229</b>    | <b>467</b>      | <b>5</b>        | <b>0</b>   | <b>0</b>   | <b>30,712</b>   |
|                      | <b>\$17,903</b>           | <b>\$20,448</b> | <b>\$23,402</b> | <b>\$21,699</b> | <b>\$23,897</b> | <b>\$26,917</b> | <b>\$30,459</b> | <b>\$32,365</b> | <b>\$35,357</b> | <b>\$40,966</b> | <b>\$46,268</b> | <b>\$47,047</b> | <b>\$0</b> | <b>\$0</b> | <b>\$28,810</b> |

|          |         |      |                         |            |        |         |        |                             |       |
|----------|---------|------|-------------------------|------------|--------|---------|--------|-----------------------------|-------|
| Average: | Age     | 50.4 | Number of Participants: | Vested     | 20,139 | Males   | 6,769  | Early Retirement Eligible:  | 6,781 |
|          | Service | 10.5 |                         | Not Vested | 10,573 | Females | 23,943 | Normal Retirement Eligible: | 1,434 |

\*Annual Salary omitted for privacy reasons.

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



**Age and Service Distribution of Active Members**  
**(Number of Actives and Average Annual Salary)**

*(Continued)*

**PSERS Plan 2**

| Attained Age         | Attained Years of Service |                 |                 |                 |                 |                 |            |            |            |            |            |            |            | Total           |                 |
|----------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------|------------|------------|------------|------------|------------|------------|-----------------|-----------------|
|                      | 0                         | 1               | 2               | 3               | 4               | 5-9             | 10-14      | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |                 |                 |
| <b>Under 25</b>      | 28                        | 39              | 18              | 5               | 7               | 4               | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0               | <b>101</b>      |
|                      | \$39,348                  | \$42,816        | \$47,538        | \$49,497        | \$50,899        | \$51,248        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0             | <b>\$43,921</b> |
| <b>25-29</b>         | 59                        | 93              | 53              | 56              | 166             | 197             | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>624</b>      |                 |
|                      | \$40,980                  | \$43,322        | \$45,745        | \$53,633        | \$52,703        | \$52,117        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$49,504</b> |                 |
| <b>30-34</b>         | 38                        | 64              | 40              | 55              | 157             | 360             | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>714</b>      |                 |
|                      | \$39,330                  | \$45,320        | \$49,584        | \$51,951        | \$52,995        | \$54,903        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$52,271</b> |                 |
| <b>35-39</b>         | 23                        | 39              | 35              | 48              | 115             | 366             | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>626</b>      |                 |
|                      | \$43,011                  | \$45,594        | \$49,491        | \$53,443        | \$52,073        | \$58,652        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$55,144</b> |                 |
| <b>40-44</b>         | 12                        | 26              | 37              | 40              | 107             | 501             | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>723</b>      |                 |
|                      | \$41,834                  | \$43,486        | \$56,087        | \$53,659        | \$54,716        | \$62,316        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$59,376</b> |                 |
| <b>45-49</b>         | 12                        | 27              | 25              | 25              | 75              | 457             | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>621</b>      |                 |
|                      | \$38,778                  | \$45,922        | \$54,577        | \$53,632        | \$52,930        | \$62,727        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$59,656</b> |                 |
| <b>50-54</b>         | 3                         | 21              | 14              | 20              | 58              | 376             | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>492</b>      |                 |
|                      | \$58,222                  | \$51,915        | \$45,467        | \$52,022        | \$55,045        | \$64,012        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$61,388</b> |                 |
| <b>55-59</b>         | 3                         | 6               | 13              | 9               | 19              | 231             | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>281</b>      |                 |
|                      | \$40,089                  | \$42,604        | \$47,390        | \$58,884        | \$51,785        | \$62,647        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$60,418</b> |                 |
| <b>60-64</b>         | 0                         | 1               | 6               | 5               | 10              | 35              | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>57</b>       |                 |
|                      | \$0                       | *               | \$61,470        | \$47,100        | \$51,400        | \$55,845        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$54,883</b> |                 |
| <b>65-69</b>         | 0                         | 1               | 0               | 0               | 1               | 8               | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>10</b>       |                 |
|                      | \$0                       | *               | \$0             | \$0             | *               | \$51,182        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$50,179</b> |                 |
| <b>70 &amp; Over</b> | 0                         | 0               | 0               | 0               | 1               | 0               | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>1</b>        |                 |
|                      | \$0                       | \$0             | \$0             | \$0             | *               | \$0             | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>        |                 |
| <b>Total</b>         | <b>178</b>                | <b>317</b>      | <b>241</b>      | <b>263</b>      | <b>716</b>      | <b>2,535</b>    | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>4,250</b>    |                 |
|                      | <b>\$40,818</b>           | <b>\$44,770</b> | <b>\$50,028</b> | <b>\$53,105</b> | <b>\$53,101</b> | <b>\$60,156</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$55,999</b> |                 |

|          |         |      |                         |            |       |         |       |                             |     |
|----------|---------|------|-------------------------|------------|-------|---------|-------|-----------------------------|-----|
| Average: | Age     | 40.1 | Number of Participants: | Vested     | 2,083 | Males   | 3,202 | Early Retirement Eligible:  | 176 |
|          | Service | 4.3  |                         | Not Vested | 2,167 | Females | 1,048 | Normal Retirement Eligible: | 8   |

\*Annual Salary omitted for privacy reasons.

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

**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 |            |            |            |            |            |            |            |            |                 |                 |                 |                  | Total           |                  |
|----------------------|---------------------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------------|-----------------|-----------------|------------------|-----------------|------------------|
|                      | 0                         | 1          | 2          | 3          | 4          | 5-9        | 10-14      | 15-19      | 20-24      | 25-29           | 30-34           | 35-39           | 40 & Over        |                 |                  |
| <b>Under 25</b>      | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0               | 0               | 0               | 0                | 0               | <b>0</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0             | \$0             | \$0             | \$0              | \$0             | <b>\$0</b>       |
| <b>25-29</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0               | 0               | 0               | 0                | 0               | <b>0</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0             | \$0             | \$0             | \$0              | \$0             | <b>\$0</b>       |
| <b>30-34</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0               | 0               | 0               | 0                | 0               | <b>0</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0             | \$0             | \$0             | \$0              | \$0             | <b>\$0</b>       |
| <b>35-39</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0               | 0               | 0               | 0                | 0               | <b>0</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0             | \$0             | \$0             | \$0              | \$0             | <b>\$0</b>       |
| <b>40-44</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0               | 0               | 0               | 0                | 0               | <b>0</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0             | \$0             | \$0             | \$0              | \$0             | <b>\$0</b>       |
| <b>45-49</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0               | 0               | 0               | 0                | 0               | <b>0</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0             | \$0             | \$0             | \$0              | \$0             | <b>\$0</b>       |
| <b>50-54</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0               | 0               | 0               | 0                | 0               | <b>0</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0             | \$0             | \$0             | \$0              | \$0             | <b>\$0</b>       |
| <b>55-59</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 2               | 4               | 19              | 0                | 0               | <b>25</b>        |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$63,988        | \$84,586        | \$89,465        | \$0              | \$0             | <b>\$86,646</b>  |
| <b>60-64</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 2               | 2               | 32              | 6                | 0               | <b>42</b>        |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$81,076        | \$90,533        | \$93,526        | \$103,470        | \$0             | <b>\$94,211</b>  |
| <b>65-69</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0               | 0               | 5               | 12               | 0               | <b>17</b>        |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0             | \$0             | \$107,734       | \$99,560         | \$0             | <b>\$101,964</b> |
| <b>70 &amp; Over</b> | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0               | 0               | 0               | 1                | 0               | <b>1</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0             | \$0             | \$0             | *                | \$0             | <b>*</b>         |
| <b>Total</b>         | <b>0</b>                  | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>4</b>        | <b>6</b>        | <b>56</b>       | <b>19</b>        | <b>85</b>       |                  |
|                      | <b>\$0</b>                | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$72,532</b> | <b>\$86,569</b> | <b>\$93,417</b> | <b>\$101,469</b> | <b>\$93,751</b> |                  |

|          |         |      |                         |            |    |         |    |                             |     |
|----------|---------|------|-------------------------|------------|----|---------|----|-----------------------------|-----|
| Average: | Age     | 61.4 | Number of Participants: | Vested     | 85 | Males   | 83 | Early Retirement Eligible:  | N/A |
|          | Service | 37.0 |                         | Not Vested | 0  | Females | 2  | Normal Retirement Eligible: | 85  |

\*Annual Salary omitted for privacy reasons.

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

**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 |            |            |            |            |            |            |            |            |            |                  |                  |                  | Total            |                  |
|----------------------|---------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|------------------|------------------|
|                      | 0                         | 1          | 2          | 3          | 4          | 5-9        | 10-14      | 15-19      | 20-24      | 25-29      | 30-34            | 35-39            | 40 & Over        |                  |                  |
| <b>Under 25</b>      | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0                | 0                | 0                | 0                | <b>0</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0              | \$0              | \$0              | \$0              | <b>\$0</b>       |
| <b>25-29</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0                | 0                | 0                | 0                | <b>0</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0              | \$0              | \$0              | \$0              | <b>\$0</b>       |
| <b>30-34</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0                | 0                | 0                | 0                | <b>0</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0              | \$0              | \$0              | \$0              | <b>\$0</b>       |
| <b>35-39</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0                | 0                | 0                | 0                | <b>0</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0              | \$0              | \$0              | \$0              | <b>\$0</b>       |
| <b>40-44</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0                | 0                | 0                | 0                | <b>0</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0              | \$0              | \$0              | \$0              | <b>\$0</b>       |
| <b>45-49</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0                | 0                | 0                | 0                | <b>0</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0              | \$0              | \$0              | \$0              | <b>\$0</b>       |
| <b>50-54</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0                | 0                | 1                | 0                | <b>1</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0              | \$0              | *                | \$0              | <b>*</b>         |
| <b>55-59</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 2                | 32               | 0                | 0                | <b>34</b>        |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$121,367        | \$114,832        | \$0              | \$0              | <b>\$115,216</b> |
| <b>60-64</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 1                | 41               | 13               | 0                | <b>55</b>        |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | *                | \$97,415         | \$121,353        | \$0              | <b>\$103,084</b> |
| <b>65-69</b>         | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 1                | 6                | 3                | 0                | <b>10</b>        |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | *                | \$88,192         | \$117,949        | \$0              | <b>\$99,836</b>  |
| <b>70 &amp; Over</b> | 0                         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0                | 0                | 1                | 0                | <b>1</b>         |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0              | \$0              | *                | \$0              | <b>*</b>         |
| <b>Total</b>         | <b>0</b>                  | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>4</b>         | <b>80</b>        | <b>17</b>        | <b>101</b>       | <b>101</b>       |
|                      | <b>\$0</b>                | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$114,024</b> | <b>\$103,844</b> | <b>\$118,912</b> | <b>\$106,783</b> | <b>\$106,783</b> |

|          |         |      |                         |            |     |         |     |                             |     |
|----------|---------|------|-------------------------|------------|-----|---------|-----|-----------------------------|-----|
| Average: | Age     | 60.5 | Number of Participants: | Vested     | 101 | Males   | 100 | Early Retirement Eligible:  | N/A |
|          | Service | 37.2 |                         | Not Vested | 0   | Females | 1   | Normal Retirement Eligible: | 101 |

\*Annual Salary omitted for privacy reasons.

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

**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 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |            | Total      |                  |
|----------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------|------------|------------------|
|                      | 0                         | 1               | 2               | 3               | 4               | 5-9             | 10-14           | 15-19           | 20-24           | 25-29            | 30-34            | 35-39            | 40 & Over  |            |                  |
| <b>Under 25</b>      | 13                        | 17              | 7               | 0               | 0               | 0               | 0               | 0               | 0               | 0                | 0                | 0                | 0          | 0          | <b>37</b>        |
|                      | \$59,207                  | \$59,837        | \$59,122        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0              | \$0              | \$0              | \$0        | \$0        | <b>\$59,480</b>  |
| <b>25-29</b>         | 36                        | 60              | 64              | 77              | 143             | 176             | 0               | 0               | 0               | 0                | 0                | 0                | 0          | 0          | <b>556</b>       |
|                      | \$56,214                  | \$57,554        | \$67,877        | \$73,092        | \$77,310        | \$80,754        | \$0             | \$0             | \$0             | \$0              | \$0              | \$0              | \$0        | \$0        | <b>\$73,232</b>  |
| <b>30-34</b>         | 29                        | 48              | 61              | 76              | 144             | 647             | 96              | 1               | 0               | 0                | 0                | 0                | 0          | 0          | <b>1,102</b>     |
|                      | \$60,320                  | \$63,296        | \$72,794        | \$75,326        | \$78,754        | \$84,594        | \$87,086        | *               | \$0             | \$0              | \$0              | \$0              | \$0        | \$0        | <b>\$81,198</b>  |
| <b>35-39</b>         | 12                        | 29              | 27              | 42              | 84              | 511             | 616             | 122             | 0               | 0                | 0                | 0                | 0          | 0          | <b>1,443</b>     |
|                      | \$60,171                  | \$63,708        | \$71,028        | \$78,752        | \$78,608        | \$82,466        | \$90,376        | \$93,843        | \$0             | \$0              | \$0              | \$0              | \$0        | \$0        | <b>\$85,696</b>  |
| <b>40-44</b>         | 9                         | 24              | 19              | 26              | 53              | 343             | 580             | 682             | 139             | 0                | 0                | 0                | 0          | 0          | <b>1,875</b>     |
|                      | \$58,249                  | \$68,736        | \$69,062        | \$78,829        | \$74,591        | \$82,282        | \$88,898        | \$94,624        | \$103,530       | \$0              | \$0              | \$0              | \$0        | \$0        | <b>\$89,705</b>  |
| <b>45-49</b>         | 5                         | 6               | 10              | 7               | 18              | 144             | 303             | 434             | 639             | 114              | 0                | 0                | 0          | 0          | <b>1,680</b>     |
|                      | \$56,134                  | \$71,920        | \$73,531        | \$71,686        | \$73,783        | \$81,482        | \$91,216        | \$95,564        | \$100,290       | \$112,235        | \$0              | \$0              | \$0        | \$0        | <b>\$95,836</b>  |
| <b>50-54</b>         | 4                         | 3               | 7               | 3               | 9               | 55              | 115             | 171             | 416             | 361              | 99               | 0                | 0          | 0          | <b>1,243</b>     |
|                      | \$63,295                  | \$72,142        | \$99,771        | \$89,401        | \$91,306        | \$79,934        | \$87,702        | \$91,376        | \$99,578        | \$107,046        | \$110,960        | \$0              | \$0        | \$0        | <b>\$99,291</b>  |
| <b>55-59</b>         | 1                         | 6               | 3               | 1               | 4               | 27              | 42              | 82              | 137             | 178              | 235              | 10               | 0          | 0          | <b>726</b>       |
|                      | *                         | \$64,645        | \$107,188       | *               | \$77,575        | \$76,774        | \$81,532        | \$90,761        | \$95,749        | \$103,160        | \$113,455        | \$108,524        | \$0        | \$0        | <b>\$101,103</b> |
| <b>60-64</b>         | 0                         | 1               | 2               | 1               | 3               | 13              | 15              | 24              | 55              | 51               | 89               | 1                | 0          | 0          | <b>255</b>       |
|                      | \$0                       | *               | \$73,317        | *               | \$59,213        | \$84,156        | \$89,813        | \$89,175        | \$90,628        | \$102,719        | \$104,238        | *                | \$0        | \$0        | <b>\$96,915</b>  |
| <b>65-69</b>         | 0                         | 0               | 1               | 0               | 0               | 3               | 3               | 4               | 6               | 8                | 5                | 0                | 0          | 0          | <b>30</b>        |
|                      | \$0                       | \$0             | *               | \$0             | \$0             | \$68,053        | \$117,142       | \$79,165        | \$87,601        | \$99,026         | \$115,083        | \$0              | \$0        | \$0        | <b>\$94,671</b>  |
| <b>70 &amp; Over</b> | 0                         | 0               | 0               | 0               | 0               | 0               | 1               | 0               | 0               | 0                | 0                | 0                | 0          | 0          | <b>1</b>         |
|                      | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | *               | \$0             | \$0             | \$0              | \$0              | \$0              | \$0        | \$0        | <b>*</b>         |
| <b>Total</b>         | <b>109</b>                | <b>194</b>      | <b>201</b>      | <b>233</b>      | <b>458</b>      | <b>1,919</b>    | <b>1,771</b>    | <b>1,520</b>    | <b>1,392</b>    | <b>712</b>       | <b>428</b>       | <b>11</b>        | <b>0</b>   | <b>0</b>   | <b>8,948</b>     |
|                      | <b>\$58,540</b>           | <b>\$62,662</b> | <b>\$71,666</b> | <b>\$76,058</b> | <b>\$77,708</b> | <b>\$82,756</b> | <b>\$89,528</b> | <b>\$94,129</b> | <b>\$99,517</b> | <b>\$106,505</b> | <b>\$110,980</b> | <b>\$108,424</b> | <b>\$0</b> | <b>\$0</b> | <b>\$90,495</b>  |

|              |      |                                |       |         |       |                             |       |
|--------------|------|--------------------------------|-------|---------|-------|-----------------------------|-------|
| Average: Age | 43.1 | Number of Participants: Vested | 7,521 | Males   | 8,102 | Early Retirement Eligible:  | 567   |
| Service      | 14.1 | Not Vested                     | 1,427 | Females | 846   | Normal Retirement Eligible: | 1,392 |

\*Annual Salary omitted for privacy reasons.

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

**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 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |            | Total            |
|----------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------|------------------|
|                      | 0                         | 1               | 2               | 3               | 4               | 5-9             | 10-14           | 15-19            | 20-24            | 25-29            | 30-34            | 35-39            | 40 & Over  |                  |
| <b>Under 25</b>      | 9                         | 17              | 7               | 7               | 8               | 0               | 0               | 0                | 0                | 0                | 0                | 0                | 0          | <b>48</b>        |
|                      | \$44,708                  | \$55,005        | \$68,023        | \$73,595        | \$82,739        | \$0             | \$0             | \$0              | \$0              | \$0              | \$0              | \$0              | \$0        | <b>\$62,306</b>  |
| <b>25-29</b>         | 45                        | 71              | 54              | 80              | 112             | 144             | 0               | 0                | 0                | 0                | 0                | 0                | 0          | <b>506</b>       |
|                      | \$53,839                  | \$59,846        | \$68,324        | \$72,968        | \$81,409        | \$85,142        | \$0             | \$0              | \$0              | \$0              | \$0              | \$0              | \$0        | <b>\$74,263</b>  |
| <b>30-34</b>         | 23                        | 55              | 43              | 64              | 127             | 511             | 137             | 0                | 0                | 0                | 0                | 0                | 0          | <b>960</b>       |
|                      | \$53,903                  | \$58,950        | \$67,027        | \$74,050        | \$82,265        | \$88,096        | \$92,551        | \$0              | \$0              | \$0              | \$0              | \$0              | \$0        | <b>\$83,591</b>  |
| <b>35-39</b>         | 11                        | 25              | 27              | 56              | 63              | 399             | 526             | 96               | 1                | 0                | 0                | 0                | 0          | <b>1,204</b>     |
|                      | \$50,418                  | \$62,445        | \$73,088        | \$75,979        | \$84,003        | \$89,021        | \$95,930        | \$100,892        | *                | \$0              | \$0              | \$0              | \$0        | <b>\$90,864</b>  |
| <b>40-44</b>         | 4                         | 14              | 8               | 24              | 39              | 278             | 514             | 530              | 173              | 0                | 0                | 0                | 0          | <b>1,584</b>     |
|                      | \$51,832                  | \$60,867        | \$75,016        | \$73,635        | \$81,208        | \$89,083        | \$95,360        | \$102,259        | \$107,451        | \$0              | \$0              | \$0              | \$0        | <b>\$96,692</b>  |
| <b>45-49</b>         | 1                         | 11              | 10              | 7               | 11              | 96              | 229             | 363              | 469              | 135              | 2                | 0                | 0          | <b>1,334</b>     |
|                      | *                         | \$65,754        | \$76,628        | \$78,747        | \$84,430        | \$90,025        | \$94,159        | \$102,819        | \$106,909        | \$115,549        | \$125,897        | \$0              | \$0        | <b>\$102,344</b> |
| <b>50-54</b>         | 1                         | 4               | 1               | 5               | 2               | 36              | 105             | 208              | 349              | 319              | 170              | 1                | 0          | <b>1,201</b>     |
|                      | *                         | \$95,748        | *               | \$111,022       | \$62,944        | \$87,908        | \$94,635        | \$98,169         | \$107,795        | \$111,752        | \$119,329        | *                | \$0        | <b>\$106,985</b> |
| <b>55-59</b>         | 0                         | 2               | 1               | 2               | 2               | 12              | 51              | 72               | 177              | 165              | 242              | 1                | 0          | <b>727</b>       |
|                      | \$0                       | \$142,506       | *               | \$134,577       | \$89,843        | \$90,527        | \$94,203        | \$98,003         | \$103,324        | \$114,188        | \$119,555        | *                | \$0        | <b>\$109,955</b> |
| <b>60-64</b>         | 1                         | 1               | 1               | 1               | 1               | 12              | 16              | 17               | 34               | 44               | 61               | 0                | 0          | <b>189</b>       |
|                      | *                         | *               | *               | *               | *               | \$84,783        | \$101,008       | \$98,756         | \$109,411        | \$110,027        | \$112,487        | \$0              | \$0        | <b>\$105,979</b> |
| <b>65-69</b>         | 0                         | 0               | 0               | 0               | 0               | 0               | 4               | 2                | 3                | 3                | 7                | 0                | 0          | <b>19</b>        |
|                      | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$99,474        | \$135,399        | \$104,879        | \$112,197        | \$97,572         | \$0              | \$0        | <b>\$105,417</b> |
| <b>70 &amp; Over</b> | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0                | 0                | 0                | 0                | 0                | 0          | <b>0</b>         |
|                      | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0              | \$0              | \$0              | \$0              | \$0              | \$0        | <b>\$0</b>       |
| <b>Total</b>         | <b>95</b>                 | <b>200</b>      | <b>152</b>      | <b>246</b>      | <b>365</b>      | <b>1,488</b>    | <b>1,582</b>    | <b>1,288</b>     | <b>1,206</b>     | <b>666</b>       | <b>482</b>       | <b>2</b>         | <b>0</b>   | <b>7,772</b>     |
|                      | <b>\$52,878</b>           | <b>\$61,414</b> | <b>\$69,902</b> | <b>\$75,553</b> | <b>\$82,134</b> | <b>\$88,356</b> | <b>\$95,114</b> | <b>\$101,422</b> | <b>\$106,776</b> | <b>\$113,013</b> | <b>\$118,288</b> | <b>\$118,288</b> | <b>\$0</b> | <b>\$96,547</b>  |

Average: Age 43.2      Number of Participants: Vested 6,566      Males 7,312      Early Retirement Eligible: 537  
Service 14.6      Not Vested 1,206      Females 460      Normal Retirement Eligible: 1,340

\*Annual Salary omitted for privacy reasons.

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

**Age and Service Distribution of Active Members**  
**(Number of Actives and Average Annual Salary)**  
*(Continued)*

**WSPRS Plan 1**

| Attained Age         | Attained Years of Service |            |            |            |            |          |                 |                 |                 |                 |                 |                 |           | Total           |                 |
|----------------------|---------------------------|------------|------------|------------|------------|----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------|-----------------|-----------------|
|                      | 0                         | 1          | 2          | 3          | 4          | 5-9      | 10-14           | 15-19           | 20-24           | 25-29           | 30-34           | 35-39           | 40 & Over |                 |                 |
| <b>Under 25</b>      | 0                         | 0          | 0          | 0          | 0          | 0        | 0               | 0               | 0               | 0               | 0               | 0               | 0         | 0               | <b>0</b>        |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0      | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0       | \$0             | <b>\$0</b>      |
| <b>25-29</b>         | 0                         | 0          | 0          | 0          | 0          | 0        | 0               | 0               | 0               | 0               | 0               | 0               | 0         | 0               | <b>0</b>        |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0      | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0       | \$0             | <b>\$0</b>      |
| <b>30-34</b>         | 0                         | 0          | 0          | 0          | 0          | 0        | 11              | 0               | 0               | 0               | 0               | 0               | 0         | 0               | <b>11</b>       |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0      | \$74,336        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0       | \$0             | <b>\$74,336</b> |
| <b>35-39</b>         | 0                         | 0          | 0          | 0          | 0          | 0        | 85              | 27              | 0               | 0               | 0               | 0               | 0         | 0               | <b>112</b>      |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0      | \$75,652        | \$77,382        | \$0             | \$0             | \$0             | \$0             | \$0       | \$0             | <b>\$76,069</b> |
| <b>40-44</b>         | 0                         | 0          | 0          | 0          | 0          | 0        | 57              | 91              | 57              | 0               | 0               | 0               | 0         | 0               | <b>205</b>      |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0      | \$74,632        | \$80,689        | \$84,958        | \$0             | \$0             | \$0             | \$0       | \$0             | <b>\$80,192</b> |
| <b>45-49</b>         | 0                         | 0          | 0          | 0          | 0          | 1        | 31              | 42              | 124             | 34              | 0               | 0               | 0         | 0               | <b>232</b>      |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | *        | \$73,250        | \$78,276        | \$84,510        | \$89,775        | \$0             | \$0             | \$0       | \$0             | <b>\$82,543</b> |
| <b>50-54</b>         | 0                         | 0          | 0          | 0          | 0          | 0        | 15              | 10              | 39              | 38              | 5               | 0               | 0         | 0               | <b>107</b>      |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0      | \$72,781        | \$76,600        | \$79,695        | \$83,839        | \$94,507        | \$0             | \$0       | \$0             | <b>\$80,600</b> |
| <b>55-59</b>         | 0                         | 0          | 0          | 0          | 0          | 0        | 4               | 4               | 4               | 7               | 10              | 1               | 0         | 0               | <b>30</b>       |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0      | \$71,289        | \$76,376        | \$71,631        | \$83,038        | \$87,843        | *               | \$0       | \$0             | <b>\$81,461</b> |
| <b>60-64</b>         | 0                         | 0          | 0          | 0          | 0          | 0        | 2               | 3               | 3               | 2               | 2               | 1               | 1         | 1               | <b>14</b>       |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0      | \$75,781        | \$81,693        | \$70,665        | \$79,735        | \$77,181        | *               | *         | *               | <b>\$77,335</b> |
| <b>65-69</b>         | 0                         | 0          | 0          | 0          | 0          | 0        | 1               | 0               | 0               | 0               | 0               | 0               | 0         | 0               | <b>1</b>        |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0      | *               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0       | \$0             | <b>*</b>        |
| <b>70 &amp; Over</b> | 0                         | 0          | 0          | 0          | 0          | 0        | 0               | 0               | 0               | 0               | 0               | 0               | 0         | 0               | <b>0</b>        |
|                      | \$0                       | \$0        | \$0        | \$0        | \$0        | \$0      | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0       | \$0             | <b>\$0</b>      |
| <b>Total</b>         | <b>0</b>                  | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>1</b> | <b>206</b>      | <b>177</b>      | <b>227</b>      | <b>81</b>       | <b>17</b>       | <b>2</b>        | <b>1</b>  | <b>712</b>      |                 |
|                      | <b>\$0</b>                | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>*</b> | <b>\$74,616</b> | <b>\$79,301</b> | <b>\$83,386</b> | <b>\$86,160</b> | <b>\$88,548</b> | <b>\$96,547</b> | <b>*</b>  | <b>\$80,263</b> |                 |

Average: Age 45.2      Number of Participants: Vested 712      Males 653      Early Retirement Eligible: N/A  
Service 18.5      Not Vested 0      Females 59      Normal Retirement Eligible: 127

\*Annual Salary omitted for privacy reasons.

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

**Age and Service Distribution of Active Members**  
**(Number of Actives and Average Annual Salary)**  
*(Continued)*

**WSPRS Plan 2**

| Attained Age         | Attained Years of Service |                 |                 |                 |                 |                 |                 |            |            |            |            |            |            |                 | Total           |
|----------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------|------------|------------|------------|------------|------------|-----------------|-----------------|
|                      | 0                         | 1               | 2               | 3               | 4               | 5-9             | 10-14           | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |                 |                 |
| <b>Under 25</b>      | 0                         | 3               | 10              | 2               | 1               | 0               | 0               | 0          | 0          | 0          | 0          | 0          | 0          | 0               | <b>16</b>       |
|                      | \$0                       | \$49,841        | \$47,128        | \$55,094        | *               | \$0             | \$0             | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0             | <b>\$49,536</b> |
| <b>25-29</b>         | 6                         | 9               | 18              | 13              | 24              | 36              | 0               | 0          | 0          | 0          | 0          | 0          | 0          | <b>106</b>      |                 |
|                      | \$53,339                  | \$44,703        | \$50,922        | \$57,214        | \$60,487        | \$69,732        | \$0             | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$59,856</b> |                 |
| <b>30-34</b>         | 1                         | 2               | 4               | 7               | 11              | 74              | 15              | 0          | 0          | 0          | 0          | 0          | 0          | <b>114</b>      |                 |
|                      | *                         | \$44,511        | \$50,286        | \$56,644        | \$62,453        | \$70,346        | \$76,828        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$68,298</b> |                 |
| <b>35-39</b>         | 0                         | 2               | 4               | 1               | 6               | 44              | 20              | 0          | 0          | 0          | 0          | 0          | 0          | <b>77</b>       |                 |
|                      | \$0                       | \$44,668        | \$50,155        | *               | \$62,743        | \$71,056        | \$75,704        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$69,579</b> |                 |
| <b>40-44</b>         | 0                         | 2               | 0               | 0               | 3               | 11              | 11              | 0          | 0          | 0          | 0          | 0          | 0          | <b>27</b>       |                 |
|                      | \$0                       | \$51,036        | \$0             | \$0             | \$67,696        | \$71,096        | \$73,601        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$70,253</b> |                 |
| <b>45-49</b>         | 0                         | 1               | 1               | 0               | 1               | 5               | 1               | 0          | 0          | 0          | 0          | 0          | 0          | <b>9</b>        |                 |
|                      | \$0                       | *               | *               | \$0             | *               | \$67,719        | *               | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$64,407</b> |                 |
| <b>50-54</b>         | 0                         | 1               | 0               | 1               | 0               | 2               | 0               | 0          | 0          | 0          | 0          | 0          | 0          | <b>4</b>        |                 |
|                      | \$0                       | *               | \$0             | *               | \$0             | \$67,979        | \$0             | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$62,023</b> |                 |
| <b>55-59</b>         | 0                         | 0               | 0               | 0               | 1               | 0               | 0               | 0          | 0          | 0          | 0          | 0          | 0          | <b>1</b>        |                 |
|                      | \$0                       | \$0             | \$0             | \$0             | *               | \$0             | \$0             | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>        |                 |
| <b>60-64</b>         | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>        |                 |
|                      | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>      |                 |
| <b>65-69</b>         | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>        |                 |
|                      | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>      |                 |
| <b>70 &amp; Over</b> | 0                         | 0               | 0               | 0               | 0               | 0               | 0               | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>        |                 |
|                      | \$0                       | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>      |                 |
| <b>Total</b>         | <b>7</b>                  | <b>20</b>       | <b>37</b>       | <b>24</b>       | <b>47</b>       | <b>172</b>      | <b>47</b>       | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>354</b>      |                 |
|                      | <b>\$53,469</b>           | <b>\$46,538</b> | <b>\$49,921</b> | <b>\$56,662</b> | <b>\$61,907</b> | <b>\$70,343</b> | <b>\$75,486</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$65,165</b> |                 |

|              |      |                                |     |         |     |                             |     |
|--------------|------|--------------------------------|-----|---------|-----|-----------------------------|-----|
| Average: Age | 32.5 | Number of Participants: Vested | 195 | Males   | 328 | Early Retirement Eligible:  | N/A |
| Service      | 5.5  | Not Vested                     | 159 | Females | 26  | Normal Retirement Eligible: | 1   |

\*Annual Salary omitted for privacy reasons.

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

# Age/Years Retired Distribution

| Age and Years Retired Distribution of Service Retired Members<br>(Number of Service Retired Members and Average Monthly Benefit) |                        |                |                |                |                |                |                |                |                |                |                |                |                |                |         |
|--|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------|
| PERS Plan 1  |                        |                |                |                |                |                |                |                |                |                |                |                |                |                |         |
| Attained Age   | Attained Years Retired |                |                |                |                |                |                |                |                |                |                |                |                |                | Total   |
|  | 0                      | 1              | 2              | 3              | 4              | 5-9            | 10-14          | 15-19          | 20-24          | 25-29          | 30-34          | 35-39          | 40 & Over      |                |         |
| 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     |
| 50-54  | 4                      | 6              | 6              | 6              | 10             | 27             | 0              | 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            | \$0            | \$3,325 |
| 55-59  | 39                     | 172            | 133            | 167            | 168            | 834            | 38             | 0              | 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            | \$0            | \$3,119 |
| 60-64  | 180                    | 670            | 547            | 445            | 453            | 2,752          | 938            | 34             | 5              | 0              | 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            | \$0            | \$2,768 |
| 65-69  | 116                    | 550            | 525            | 677            | 543            | 3,440          | 3,051          | 674            | 125            | 0              | 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            | \$0            | \$2,366 |
| 70-74  | 12                     | 71             | 90             | 121            | 147            | 2,217          | 3,356          | 1,421          | 628            | 9              | 6              | 0              | 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            | \$0            | \$2,038 |
| 75-79  | 4                      | 32             | 29             | 19             | 27             | 334            | 2,016          | 2,890          | 1,249          | 136            | 87             | 0              | 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            | \$0            | \$1,718 |
| 80-84  | 1                      | 5              | 5              | 8              | 4              | 66             | 294            | 2,104          | 2,558          | 351            | 237            | 3              | 0              | 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            | \$0            | \$1,497 |
| 85-89  | 0                      | 0              | 2              | 1              | 0              | 16             | 54             | 269            | 1,557          | 1,863          | 695            | 66             | 0              | 0              | 4,523   |
|  | \$0                    | \$0            | \$981          | *              | \$0            | \$1,743        | \$1,914        | \$1,646        | \$1,187        | \$1,017        | \$1,435        | \$1,554        | \$0            | \$0            | \$1,198 |
| 90-94  | 0                      | 1              | 0              | 0              | 1              | 7              | 17             | 38             | 161            | 947            | 1,116          | 93             | 5              | 5              | 2,386   |
|  | \$0                    | *              | \$0            | \$0            | *              | \$2,783        | \$1,834        | \$1,931        | \$1,293        | \$1,004        | \$907          | \$1,667        | \$1,746        | \$1,034        | \$1,034 |
| 95 & Over  | 0                      | 0              | 0              | 0              | 0              | 0              | 1              | 5              | 4              | 54             | 363            | 284            | 30             | 30             | 741     |
|  | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | *              | \$1,239        | \$1,110        | \$994          | \$850          | \$848          | \$898          | \$870          | \$870   |
| <b>Total</b>   | <b>356</b>             | <b>1,507</b>   | <b>1,337</b>   | <b>1,444</b>   | <b>1,353</b>   | <b>9,693</b>   | <b>9,765</b>   | <b>7,435</b>   | <b>6,287</b>   | <b>3,360</b>   | <b>2,504</b>   | <b>446</b>     | <b>35</b>      | <b>45,522</b>  |         |
|  | <b>\$2,611</b>         | <b>\$2,658</b> | <b>\$2,495</b> | <b>\$2,577</b> | <b>\$2,453</b> | <b>\$2,431</b> | <b>\$2,160</b> | <b>\$1,789</b> | <b>\$1,452</b> | <b>\$1,179</b> | <b>\$1,167</b> | <b>\$1,127</b> | <b>\$1,019</b> | <b>\$1,973</b> |         |

Average: Age 74.0  
Years Retired 14.2

Males 20,978  
Females 24,544

\*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)*

**PERS Plan 2**

| Attained Age         | Attained Years Retired |                |                |                |                |                |              |              |              |              |          |            |            | Total      |                |
|----------------------|------------------------|----------------|----------------|----------------|----------------|----------------|--------------|--------------|--------------|--------------|----------|------------|------------|------------|----------------|
|                      | 0                      | 1              | 2              | 3              | 4              | 5-9            | 10-14        | 15-19        | 20-24        | 25-29        | 30-34    | 35-39      | 40 & Over  |            |                |
| <b>Under 50</b>      | 0                      | 0              | 0              | 0              | 0              | 0              | 0            | 0            | 0            | 0            | 0        | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>50-54</b>         | 0                      | 0              | 2              | 0              | 0              | 0              | 0            | 0            | 0            | 0            | 0        | 0          | 0          | 0          | <b>2</b>       |
|                      | \$0                    | \$0            | \$109          | \$0            | \$0            | \$0            | \$0          | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | <b>\$109</b>   |
| <b>55-59</b>         | 83                     | 180            | 85             | 43             | 17             | 1              | 0            | 0            | 0            | 0            | 0        | 0          | 0          | 0          | <b>409</b>     |
|                      | \$2,172                | \$2,225        | \$2,220        | \$1,717        | \$1,117        | *              | \$0          | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | <b>\$2,109</b> |
| <b>60-64</b>         | 250                    | 646            | 383            | 171            | 107            | 173            | 0            | 0            | 0            | 0            | 0        | 0          | 0          | 0          | <b>1,730</b>   |
|                      | \$2,350                | \$2,288        | \$2,177        | \$1,927        | \$1,561        | \$822          | \$0          | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | <b>\$2,045</b> |
| <b>65-69</b>         | 833                    | 2,225          | 1,805          | 1,579          | 1,214          | 680            | 84           | 0            | 0            | 0            | 0        | 0          | 0          | 0          | <b>8,420</b>   |
|                      | \$1,460                | \$1,497        | \$1,459        | \$1,408        | \$1,288        | \$1,341        | \$689        | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | <b>\$1,418</b> |
| <b>70-74</b>         | 54                     | 215            | 291            | 285            | 411            | 4,959          | 309          | 5            | 0            | 0            | 0        | 0          | 0          | 0          | <b>6,529</b>   |
|                      | \$1,571                | \$1,534        | \$1,495        | \$1,366        | \$1,512        | \$1,105        | \$1,053      | \$334        | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | <b>\$1,174</b> |
| <b>75-79</b>         | 12                     | 41             | 47             | 55             | 59             | 721            | 3,080        | 16           | 1            | 0            | 0        | 0          | 0          | 0          | <b>4,032</b>   |
|                      | \$1,414                | \$1,418        | \$1,198        | \$1,349        | \$1,071        | \$1,177        | \$897        | \$511        | *            | \$0          | \$0      | \$0        | \$0        | \$0        | <b>\$965</b>   |
| <b>80-84</b>         | 1                      | 11             | 10             | 11             | 10             | 112            | 452          | 1,467        | 7            | 0            | 0        | 0          | 0          | 0          | <b>2,081</b>   |
|                      | *                      | \$1,441        | \$1,156        | \$1,165        | \$433          | \$1,042        | \$855        | \$727        | \$404        | \$0          | \$0      | \$0        | \$0        | \$0        | <b>\$778</b>   |
| <b>85-89</b>         | 0                      | 3              | 1              | 3              | 3              | 32             | 78           | 205          | 417          | 0            | 0        | 0          | 0          | 0          | <b>742</b>     |
|                      | \$0                    | \$762          | *              | \$417          | \$323          | \$767          | \$699        | \$741        | \$583        | \$0          | \$0      | \$0        | \$0        | \$0        | <b>\$646</b>   |
| <b>90-94</b>         | 0                      | 0              | 0              | 0              | 1              | 3              | 12           | 19           | 47           | 72           | 1        | 0          | 0          | 0          | <b>155</b>     |
|                      | \$0                    | \$0            | \$0            | \$0            | *              | \$792          | \$672        | \$800        | \$613        | \$390        | *        | \$0        | \$0        | \$0        | <b>\$535</b>   |
| <b>95 &amp; Over</b> | 0                      | 0              | 0              | 0              | 0              | 0              | 2            | 3            | 5            | 3            | 0        | 0          | 0          | 0          | <b>13</b>      |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$386        | \$342        | \$684        | \$486        | \$0      | \$0        | \$0        | \$0        | <b>\$513</b>   |
| <b>Total</b>         | <b>1,233</b>           | <b>3,321</b>   | <b>2,624</b>   | <b>2,147</b>   | <b>1,822</b>   | <b>6,681</b>   | <b>4,017</b> | <b>1,715</b> | <b>477</b>   | <b>75</b>    | <b>1</b> | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>24,113</b>  |
|                      | <b>\$1,693</b>         | <b>\$1,691</b> | <b>\$1,585</b> | <b>\$1,446</b> | <b>\$1,339</b> | <b>\$1,126</b> | <b>\$895</b> | <b>\$726</b> | <b>\$583</b> | <b>\$394</b> | <b>*</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,247</b> |

Average:

Age 71.5  
 Years Retired 6.5

Males 10,851  
 Females 13,262

\*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)*

**PERS Plan 3**

| Attained Age         | Attained Years Retired |              |              |              |              |              |              |            |            |            |            |            |            | Total      |              |
|----------------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|------------|--------------|
|                      | 0                      | 1            | 2            | 3            | 4            | 5-9          | 10-14        | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |            |              |
| <b>Under 50</b>      | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>50-54</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>55-59</b>         | 13                     | 28           | 16           | 17           | 6            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>80</b>    |
|                      | \$1,002                | \$820        | \$621        | \$649        | \$467        | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$747</b> |
| <b>60-64</b>         | 39                     | 117          | 68           | 41           | 20           | 95           | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>380</b>   |
|                      | \$1,097                | \$980        | \$901        | \$829        | \$693        | \$343        | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$787</b> |
| <b>65-69</b>         | 74                     | 171          | 125          | 128          | 76           | 231          | 5            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>810</b>   |
|                      | \$772                  | \$812        | \$875        | \$685        | \$775        | \$507        | \$286        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$704</b> |
| <b>70-74</b>         | 2                      | 9            | 5            | 14           | 14           | 221          | 5            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>270</b>   |
|                      | \$187                  | \$978        | \$487        | \$524        | \$497        | \$659        | \$479        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$644</b> |
| <b>75-79</b>         | 3                      | 0            | 1            | 0            | 0            | 18           | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>22</b>    |
|                      | \$490                  | \$0          | *            | \$0          | \$0          | \$764        | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$700</b> |
| <b>80-84</b>         | 0                      | 1            | 0            | 0            | 0            | 4            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>5</b>     |
|                      | \$0                    | *            | \$0          | \$0          | \$0          | \$568        | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$481</b> |
| <b>85-89</b>         | 0                      | 0            | 0            | 0            | 0            | 2            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>2</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$235        | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$235</b> |
| <b>90-94</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>95 &amp; Over</b> | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>Total</b>         | <b>131</b>             | <b>326</b>   | <b>215</b>   | <b>200</b>   | <b>116</b>   | <b>571</b>   | <b>10</b>    | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>1,569</b> |
|                      | <b>\$876</b>           | <b>\$876</b> | <b>\$852</b> | <b>\$700</b> | <b>\$712</b> | <b>\$546</b> | <b>\$382</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$715</b> |

Average:                      Age            66.3  
    Years Retired    3.7

Males            843  
Females        726

*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)*

**TRS Plan 1**

| Attained Age         | Attained Years Retired |                |                |                |                |                |                |                |                |                |                |                |                | Total      |                |
|----------------------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|----------------|
|                      | 0                      | 1              | 2              | 3              | 4              | 5-9            | 10-14          | 15-19          | 20-24          | 25-29          | 30-34          | 35-39          | 40 & Over      |            |                |
| <b>Under 50</b>      | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0        | <b>\$0</b>     |
| <b>50-54</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0        | <b>\$0</b>     |
| <b>55-59</b>         | 3                      | 52             | 56             | 89             | 100            | 267            | 1              | 0              | 0              | 0              | 0              | 0              | 0              | 0          | <b>568</b>     |
|                      | \$2,652                | \$3,235        | \$3,474        | \$3,259        | \$3,127        | \$3,110        | *              | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0        | <b>\$3,180</b> |
| <b>60-64</b>         | 20                     | 490            | 474            | 360            | 435            | 2,518          | 607            | 0              | 0              | 0              | 0              | 0              | 0              | 0          | <b>4,904</b>   |
|                      | \$2,135                | \$2,906        | \$2,928        | \$2,495        | \$2,505        | \$2,765        | \$2,493        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0        | <b>\$2,716</b> |
| <b>65-69</b>         | 8                      | 255            | 342            | 273            | 339            | 3,123          | 3,639          | 521            | 98             | 0              | 0              | 0              | 0              | 0          | <b>8,598</b>   |
|                      | \$2,942                | \$3,070        | \$3,104        | \$2,769        | \$2,662        | \$2,083        | \$2,218        | \$2,111        | \$1,738        | \$0            | \$0            | \$0            | \$0            | \$0        | <b>\$2,253</b> |
| <b>70-74</b>         | 0                      | 24             | 39             | 37             | 83             | 881            | 2,693          | 1,921          | 564            | 0              | 0              | 0              | 0              | 0          | <b>6,242</b>   |
|                      | \$0                    | \$3,088        | \$2,812        | \$3,016        | \$2,527        | \$2,436        | \$1,811        | \$2,136        | \$2,021        | \$0            | \$0            | \$0            | \$0            | \$0        | <b>\$2,046</b> |
| <b>75-79</b>         | 0                      | 2              | 8              | 4              | 9              | 109            | 750            | 2,140          | 1,590          | 94             | 55             | 0              | 0              | 0          | <b>4,761</b>   |
|                      | \$0                    | \$2,711        | \$3,399        | \$3,507        | \$3,016        | \$2,427        | \$2,059        | \$1,841        | \$1,997        | \$1,957        | \$1,554        | \$0            | \$0            | \$0        | <b>\$1,946</b> |
| <b>80-84</b>         | 0                      | 1              | 0              | 2              | 1              | 17             | 99             | 782            | 1,816          | 730            | 312            | 0              | 0              | 0          | <b>3,760</b>   |
|                      | \$0                    | *              | \$0            | \$5,109        | *              | \$2,529        | \$2,007        | \$2,056        | \$1,618        | \$1,825        | \$1,722        | \$0            | \$0            | \$0        | <b>\$1,776</b> |
| <b>85-89</b>         | 0                      | 1              | 0              | 0              | 0              | 2              | 9              | 81             | 518            | 917            | 714            | 15             | 0              | 0          | <b>2,257</b>   |
|                      | \$0                    | *              | \$0            | \$0            | \$0            | \$1,502        | \$2,433        | \$1,901        | \$1,616        | \$1,295        | \$1,587        | \$1,547        | \$0            | \$0        | <b>\$1,491</b> |
| <b>90-94</b>         | 0                      | 0              | 0              | 0              | 0              | 1              | 0              | 9              | 49             | 316            | 644            | 129            | 0              | 0          | <b>1,148</b>   |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | *              | \$0            | \$2,050        | \$1,569        | \$1,415        | \$1,251        | \$1,559        | \$0            | \$0        | <b>\$1,351</b> |
| <b>95 &amp; Over</b> | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 2              | 27             | 143            | 235            | 44             | 0          | <b>451</b>     |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$2,387        | \$1,337        | \$1,348        | \$1,316        | \$1,201        | \$0        | <b>\$1,321</b> |
| <b>Total</b>         | <b>31</b>              | <b>825</b>     | <b>919</b>     | <b>765</b>     | <b>967</b>     | <b>6,918</b>   | <b>7,798</b>   | <b>5,454</b>   | <b>4,637</b>   | <b>2,084</b>   | <b>1,868</b>   | <b>379</b>     | <b>44</b>      | <b>0</b>   | <b>32,689</b>  |
|                      | <b>\$2,393</b>         | <b>\$2,986</b> | <b>\$3,026</b> | <b>\$2,719</b> | <b>\$2,634</b> | <b>\$2,422</b> | <b>\$2,081</b> | <b>\$2,003</b> | <b>\$1,799</b> | <b>\$1,529</b> | <b>\$1,474</b> | <b>\$1,408</b> | <b>\$1,201</b> | <b>\$0</b> | <b>\$2,102</b> |

Average:                      Age            72.9  
    Years Retired    14.5

Males            13,985  
Females        18,704

\*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)*

**TRS Plan 3**

| Attained Age         | Attained Years Retired |                |              |              |              |              |              |              |            |            |            |            |            | Total      |              |
|----------------------|------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|--------------|
|                      | 0                      | 1              | 2            | 3            | 4            | 5-9          | 10-14        | 15-19        | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |            |              |
| <b>Under 50</b>      | 0                      | 0              | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0            | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>50-54</b>         | 0                      | 0              | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0            | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>55-59</b>         | 5                      | 55             | 32           | 10           | 9            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | <b>111</b>   |
|                      | \$971                  | \$1,036        | \$1,003      | \$863        | \$718        | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$982</b> |
| <b>60-64</b>         | 25                     | 256            | 154          | 64           | 46           | 109          | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | <b>654</b>   |
|                      | \$980                  | \$1,111        | \$1,084      | \$1,084      | \$825        | \$438        | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$965</b> |
| <b>65-69</b>         | 96                     | 508            | 395          | 287          | 249          | 319          | 81           | 0            | 0          | 0          | 0          | 0          | 0          | 0          | <b>1,935</b> |
|                      | \$869                  | \$989          | \$972        | \$952        | \$884        | \$655        | \$348        | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$879</b> |
| <b>70-74</b>         | 1                      | 16             | 30           | 25           | 53           | 480          | 108          | 2            | 0          | 0          | 0          | 0          | 0          | 0          | <b>715</b>   |
|                      | *                      | \$818          | \$831        | \$531        | \$900        | \$821        | \$529        | \$238        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$773</b> |
| <b>75-79</b>         | 0                      | 1              | 2            | 5            | 4            | 30           | 52           | 1            | 0          | 0          | 0          | 0          | 0          | 0          | <b>95</b>    |
|                      | \$0                    | *              | \$686        | \$434        | \$704        | \$704        | \$704        | *            | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$680</b> |
| <b>80-84</b>         | 0                      | 0              | 0            | 0            | 0            | 1            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | <b>1</b>     |
|                      | \$0                    | \$0            | \$0          | \$0          | \$0          | *            | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>     |
| <b>85-89</b>         | 0                      | 0              | 0            | 0            | 0            | 1            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | <b>1</b>     |
|                      | \$0                    | \$0            | \$0          | \$0          | \$0          | *            | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>     |
| <b>90-94</b>         | 0                      | 0              | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0            | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>95 &amp; Over</b> | 0                      | 0              | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0            | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>Total</b>         | <b>127</b>             | <b>836</b>     | <b>613</b>   | <b>391</b>   | <b>361</b>   | <b>940</b>   | <b>241</b>   | <b>3</b>     | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>3,512</b> |
|                      | <b>\$903</b>           | <b>\$1,025</b> | <b>\$994</b> | <b>\$938</b> | <b>\$873</b> | <b>\$715</b> | <b>\$506</b> | <b>\$292</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$871</b> |

Average:

Age 67.0  
 Years Retired 3.8

Males 1,019  
 Females 2,493

*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 |              |              |              |              |              |              |            |            |            |            |            |            | Total      |                |
|----------------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|------------|----------------|
|                      | 0                      | 1            | 2            | 3            | 4            | 5-9          | 10-14        | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |            |                |
| <b>Under 50</b>      | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>50-54</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>55-59</b>         | 4                      | 13           | 4            | 7            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>28</b>      |
|                      | \$1,532                | \$1,123      | \$1,053      | \$911        | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$1,118</b> |
| <b>60-64</b>         | 22                     | 92           | 54           | 22           | 14           | 33           | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>237</b>     |
|                      | \$1,133                | \$995        | \$900        | \$913        | \$639        | \$539        | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$894</b>   |
| <b>65-69</b>         | 124                    | 414          | 344          | 286          | 223          | 177          | 7            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>1,575</b>   |
|                      | \$1,096                | \$902        | \$798        | \$748        | \$778        | \$773        | \$681        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$834</b>   |
| <b>70-74</b>         | 9                      | 59           | 56           | 65           | 113          | 1,097        | 44           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>1,443</b>   |
|                      | \$1,085                | \$783        | \$804        | \$804        | \$850        | \$729        | \$844        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$753</b>   |
| <b>75-79</b>         | 5                      | 20           | 18           | 20           | 20           | 241          | 270          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>594</b>     |
|                      | \$588                  | \$876        | \$612        | \$713        | \$791        | \$643        | \$677        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$672</b>   |
| <b>80-84</b>         | 0                      | 3            | 6            | 10           | 6            | 51           | 32           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>108</b>     |
|                      | \$0                    | \$709        | \$553        | \$463        | \$742        | \$445        | \$498        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$492</b>   |
| <b>85-89</b>         | 0                      | 1            | 2            | 1            | 0            | 12           | 9            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>25</b>      |
|                      | \$0                    | *            | \$444        | *            | \$0          | \$321        | \$488        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$401</b>   |
| <b>90-94</b>         | 0                      | 0            | 0            | 0            | 1            | 1            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>2</b>       |
|                      | \$0                    | \$0          | \$0          | \$0          | *            | *            | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$1,505</b> |
| <b>95 &amp; Over</b> | 0                      | 0            | 0            | 0            | 0            | 1            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>1</b>       |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | *            | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>       |
| <b>Total</b>         | <b>164</b>             | <b>602</b>   | <b>484</b>   | <b>411</b>   | <b>377</b>   | <b>1,613</b> | <b>362</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>4,013</b>   |
|                      | <b>\$1,095</b>         | <b>\$906</b> | <b>\$801</b> | <b>\$760</b> | <b>\$800</b> | <b>\$705</b> | <b>\$677</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$775</b>   |

Average:                      Age            70.4  
     Years Retired    4.7

Males            1,193  
 Females        2,820

\*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 3**

| Attained Age         | Attained Years Retired |              |              |              |              |              |              |            |            |            |            |            |            | Total      |              |
|----------------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|------------|--------------|
|                      | 0                      | 1            | 2            | 3            | 4            | 5-9          | 10-14        | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |            |              |
| <b>Under 50</b>      | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>50-54</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>55-59</b>         | 5                      | 14           | 12           | 7            | 5            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>43</b>    |
|                      | \$604                  | \$471        | \$251        | \$363        | \$311        | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$389</b> |
| <b>60-64</b>         | 31                     | 160          | 96           | 26           | 42           | 71           | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>426</b>   |
|                      | \$447                  | \$459        | \$505        | \$392        | \$275        | \$242        | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$410</b> |
| <b>65-69</b>         | 88                     | 393          | 318          | 213          | 218          | 372          | 39           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>1,641</b> |
|                      | \$411                  | \$477        | \$482        | \$423        | \$412        | \$320        | \$177        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$416</b> |
| <b>70-74</b>         | 5                      | 51           | 40           | 21           | 52           | 534          | 90           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>793</b>   |
|                      | \$241                  | \$393        | \$334        | \$286        | \$414        | \$381        | \$273        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$366</b> |
| <b>75-79</b>         | 0                      | 5            | 6            | 5            | 8            | 41           | 46           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>111</b>   |
|                      | \$0                    | \$278        | \$265        | \$260        | \$170        | \$366        | \$335        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$325</b> |
| <b>80-84</b>         | 0                      | 0            | 4            | 2            | 0            | 5            | 9            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>20</b>    |
|                      | \$0                    | \$0          | \$438        | \$120        | \$0          | \$250        | \$282        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$289</b> |
| <b>85-89</b>         | 0                      | 0            | 0            | 0            | 1            | 0            | 1            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>2</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | *            | \$0          | *            | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$178</b> |
| <b>90-94</b>         | 0                      | 0            | 0            | 0            | 1            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>1</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | *            | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>     |
| <b>95 &amp; Over</b> | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>Total</b>         | <b>129</b>             | <b>623</b>   | <b>476</b>   | <b>274</b>   | <b>327</b>   | <b>1,023</b> | <b>185</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>3,037</b> |
|                      | <b>\$420</b>           | <b>\$464</b> | <b>\$465</b> | <b>\$403</b> | <b>\$386</b> | <b>\$348</b> | <b>\$269</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$397</b> |

Average:                      Age                      67.9  
     Years Retired                      4.1

Males                      698  
 Females                      2,339

*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)*

**PSERS Plan 2**

| Attained Age         | Attained Years Retired |              |              |              |          |            |            |            |            |            |            |            |            | Total      |              |
|----------------------|------------------------|--------------|--------------|--------------|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|
|                      | 0                      | 1            | 2            | 3            | 4        | 5-9        | 10-14      | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |            |              |
| <b>Under 50</b>      | 0                      | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>50-54</b>         | 0                      | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>55-59</b>         | 0                      | 0            | 2            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>2</b>     |
|                      | \$0                    | \$0          | \$256        | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$256</b> |
| <b>60-64</b>         | 1                      | 5            | 3            | 2            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>11</b>    |
|                      | *                      | \$514        | \$228        | \$242        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$374</b> |
| <b>65-69</b>         | 1                      | 4            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>5</b>     |
|                      | *                      | \$164        | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$218</b> |
| <b>70-74</b>         | 0                      | 1            | 0            | 0            | 1        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>2</b>     |
|                      | \$0                    | *            | \$0          | \$0          | *        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$178</b> |
| <b>75-79</b>         | 0                      | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>80-84</b>         | 0                      | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>85-89</b>         | 0                      | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>90-94</b>         | 0                      | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>95 &amp; Over</b> | 0                      | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>Total</b>         | <b>2</b>               | <b>10</b>    | <b>5</b>     | <b>2</b>     | <b>1</b> | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>20</b>    |
|                      | <b>\$407</b>           | <b>\$353</b> | <b>\$239</b> | <b>\$242</b> | <b>*</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$304</b> |

Average:

Age 63.3  
 Years Retired 1.4

Males 12  
 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)

*(Continued)*

**LEOFF Plan 1**

| Attained Age         | Attained Years Retired |                |                |                |                |                |                |                |                |                |                |                |                | Total          |                |
|----------------------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                      | 0                      | 1              | 2              | 3              | 4              | 5-9            | 10-14          | 15-19          | 20-24          | 25-29          | 30-34          | 35-39          | 40 & Over      |                |                |
| <b>Under 50</b>      | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | <b>\$0</b>     |
| <b>50-54</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | <b>\$0</b>     |
| <b>55-59</b>         | 5                      | 7              | 5              | 5              | 3              | 40             | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | <b>65</b>      |
|                      | \$5,707                | \$6,163        | \$6,940        | \$5,746        | \$4,714        | \$4,658        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | <b>\$5,163</b> |
| <b>60-64</b>         | 5                      | 15             | 15             | 12             | 20             | 130            | 142            | 0              | 0              | 0              | 0              | 0              | 0              | 0              | <b>339</b>     |
|                      | \$6,977                | \$6,763        | \$6,240        | \$6,421        | \$5,668        | \$4,929        | \$3,865        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | <b>\$4,749</b> |
| <b>65-69</b>         | 1                      | 8              | 2              | 11             | 12             | 101            | 158            | 189            | 0              | 0              | 0              | 0              | 0              | 0              | <b>482</b>     |
|                      | *                      | \$8,014        | \$6,301        | \$5,869        | \$5,235        | \$5,446        | \$4,523        | \$3,289        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | <b>\$4,355</b> |
| <b>70-74</b>         | 0                      | 3              | 0              | 2              | 2              | 18             | 72             | 114            | 118            | 0              | 0              | 0              | 0              | 0              | <b>329</b>     |
|                      | \$0                    | \$6,413        | \$0            | \$6,898        | \$6,180        | \$5,230        | \$4,726        | \$4,069        | \$3,354        | \$0            | \$0            | \$0            | \$0            | \$0            | <b>\$4,071</b> |
| <b>75-79</b>         | 0                      | 1              | 0              | 0              | 0              | 1              | 12             | 40             | 71             | 97             | 0              | 0              | 0              | 0              | <b>222</b>     |
|                      | \$0                    | *              | \$0            | \$0            | \$0            | *              | \$4,757        | \$4,660        | \$4,000        | \$3,111        | \$0            | \$0            | \$0            | \$0            | <b>\$3,811</b> |
| <b>80-84</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 1              | 7              | 26             | 49             | 72             | 0              | 0              | 0              | <b>155</b>     |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | *              | \$5,019        | \$4,410        | \$3,364        | \$3,189        | \$0            | \$0            | \$0            | <b>\$3,548</b> |
| <b>85-89</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 9              | 15             | 44             | 33             | 0              | 0              | <b>101</b>     |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$3,880        | \$3,928        | \$3,726        | \$3,489        | \$0            | \$0            | <b>\$3,693</b> |
| <b>90-94</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 3              | 6              | 11             | 6              | 6              | <b>26</b>      |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$2,263        | \$3,553        | \$3,593        | \$2,719        | \$0            | <b>\$3,228</b> |
| <b>95 &amp; Over</b> | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 1              | 1              | 0              | 0              | <b>2</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | *              | *              | \$0            | \$0            | <b>\$4,653</b> |
| <b>Total</b>         | <b>11</b>              | <b>34</b>      | <b>22</b>      | <b>30</b>      | <b>37</b>      | <b>290</b>     | <b>385</b>     | <b>350</b>     | <b>224</b>     | <b>164</b>     | <b>123</b>     | <b>45</b>      | <b>6</b>       | <b>1,721</b>   |                |
|                      | <b>\$6,558</b>         | <b>\$6,918</b> | <b>\$6,405</b> | <b>\$6,138</b> | <b>\$5,478</b> | <b>\$5,106</b> | <b>\$4,329</b> | <b>\$3,735</b> | <b>\$3,702</b> | <b>\$3,246</b> | <b>\$3,423</b> | <b>\$3,507</b> | <b>\$2,719</b> | <b>\$4,211</b> |                |

Average:                      Age              70.8  
    Years Retired      16.4

Males              1,670  
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 |                |                |                |                |                |                |                |                |                |                |                |                | Total          |                |
|----------------------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                      | 0                      | 1              | 2              | 3              | 4              | 5-9            | 10-14          | 15-19          | 20-24          | 25-29          | 30-34          | 35-39          | 40 & Over      |                |                |
| <b>Under 50</b>      | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | <b>\$0</b>     |
| <b>50-54</b>         | 0                      | 1              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | <b>1</b>       |
|                      | \$0                    | *              | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | <b>*</b>       |
| <b>55-59</b>         | 2                      | 13             | 9              | 6              | 6              | 18             | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | <b>54</b>      |
|                      | \$8,869                | \$6,448        | \$8,097        | \$6,005        | \$6,766        | \$5,173        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | <b>\$6,374</b> |
| <b>60-64</b>         | 6                      | 21             | 8              | 14             | 24             | 90             | 53             | 0              | 0              | 0              | 0              | 0              | 0              | 0              | <b>216</b>     |
|                      | \$7,166                | \$7,011        | \$6,991        | \$6,410        | \$6,157        | \$5,731        | \$3,974        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | <b>\$5,602</b> |
| <b>65-69</b>         | 3                      | 8              | 9              | 6              | 11             | 72             | 96             | 64             | 0              | 0              | 0              | 0              | 0              | 0              | <b>269</b>     |
|                      | \$7,707                | \$6,894        | \$7,885        | \$6,721        | \$6,197        | \$5,739        | \$4,573        | \$3,157        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | <b>\$4,877</b> |
| <b>70-74</b>         | 0                      | 3              | 1              | 0              | 0              | 10             | 27             | 70             | 41             | 0              | 0              | 0              | 0              | 0              | <b>152</b>     |
|                      | \$0                    | \$8,266        | *              | \$0            | \$0            | \$6,190        | \$5,046        | \$4,122        | \$3,091        | \$0            | \$0            | \$0            | \$0            | \$0            | <b>\$4,246</b> |
| <b>75-79</b>         | 0                      | 1              | 0              | 1              | 0              | 0              | 7              | 24             | 28             | 40             | 0              | 0              | 0              | 0              | <b>101</b>     |
|                      | \$0                    | *              | \$0            | *              | \$0            | \$0            | \$4,894        | \$5,674        | \$4,466        | \$3,207        | \$0            | \$0            | \$0            | \$0            | <b>\$4,339</b> |
| <b>80-84</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 5              | 12             | 47             | 36             | 0              | 0              | 0              | <b>100</b>     |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$4,920        | \$4,432        | \$3,821        | \$3,305        | \$0            | \$0            | \$0            | <b>\$3,764</b> |
| <b>85-89</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 2              | 1              | 11             | 18             | 16             | 0              | 0              | <b>48</b>      |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$6,059        | *              | \$4,589        | \$4,097        | \$3,277        | \$0            | \$0            | <b>\$4,040</b> |
| <b>90-94</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 2              | 6              | 7              | 6              | 6              | <b>21</b>      |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$4,384        | \$4,554        | \$3,692        | \$3,051        | \$3,051        | <b>\$3,821</b> |
| <b>95 &amp; Over</b> | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 1              | 2              | 2              | <b>3</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | *              | \$3,384        | \$3,384        | <b>\$3,432</b> |
| <b>Total</b>         | <b>11</b>              | <b>47</b>      | <b>27</b>      | <b>27</b>      | <b>41</b>      | <b>190</b>     | <b>183</b>     | <b>165</b>     | <b>82</b>      | <b>100</b>     | <b>60</b>      | <b>24</b>      | <b>8</b>       | <b>965</b>     |                |
|                      | <b>\$7,623</b>         | <b>\$6,887</b> | <b>\$7,664</b> | <b>\$6,453</b> | <b>\$6,257</b> | <b>\$5,706</b> | <b>\$4,482</b> | <b>\$4,021</b> | <b>\$3,782</b> | <b>\$3,671</b> | <b>\$3,668</b> | <b>\$3,409</b> | <b>\$3,135</b> | <b>\$4,785</b> |                |

Average:                      Age              70.3  
    Years Retired              14.8

Males              962  
Females              3

\*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)

*(Continued)*

**LEOFF Plan 2**

| Attained Age         | Attained Years Retired |                |                |                |                |                |                |              |                |          |            |            |            | Total      |                |
|----------------------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|----------------|----------|------------|------------|------------|------------|----------------|
|                      | 0                      | 1              | 2              | 3              | 4              | 5-9            | 10-14          | 15-19        | 20-24          | 25-29    | 30-34      | 35-39      | 40 & Over  |            |                |
| <b>Under 50</b>      | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0            | 0              | 0        | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>50-54</b>         | 28                     | 42             | 15             | 10             | 9              | 0              | 0              | 0            | 0              | 0        | 0          | 0          | 0          | 0          | <b>104</b>     |
|                      | \$3,104                | \$3,183        | \$3,612        | \$3,623        | \$3,053        | \$0            | \$0            | \$0          | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | <b>\$3,255</b> |
| <b>55-59</b>         | 28                     | 88             | 103            | 69             | 74             | 146            | 0              | 0            | 0              | 0        | 0          | 0          | 0          | 0          | <b>508</b>     |
|                      | \$4,455                | \$4,000        | \$3,578        | \$2,924        | \$2,684        | \$2,788        | \$0            | \$0          | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | <b>\$3,253</b> |
| <b>60-64</b>         | 14                     | 50             | 41             | 21             | 34             | 189            | 32             | 0            | 0              | 0        | 0          | 0          | 0          | 0          | <b>381</b>     |
|                      | \$4,151                | \$3,435        | \$3,450        | \$3,401        | \$3,286        | \$2,578        | \$1,537        | \$0          | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | <b>\$2,863</b> |
| <b>65-69</b>         | 5                      | 21             | 10             | 13             | 7              | 70             | 63             | 0            | 0              | 0        | 0          | 0          | 0          | 0          | <b>189</b>     |
|                      | \$3,940                | \$2,506        | \$3,198        | \$2,728        | \$2,576        | \$2,531        | \$1,451        | \$0          | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | <b>\$2,256</b> |
| <b>70-74</b>         | 1                      | 2              | 1              | 1              | 3              | 24             | 18             | 10           | 0              | 0        | 0          | 0          | 0          | 0          | <b>60</b>      |
|                      | *                      | \$1,932        | *              | *              | \$2,428        | \$1,848        | \$1,265        | \$976        | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | <b>\$1,585</b> |
| <b>75-79</b>         | 0                      | 0              | 0              | 0              | 0              | 3              | 5              | 8            | 1              | 0        | 0          | 0          | 0          | 0          | <b>17</b>      |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$1,368        | \$1,563        | \$803        | *              | \$0      | \$0        | \$0        | \$0        | \$0        | <b>\$1,166</b> |
| <b>80-84</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 1              | 2            | 2              | 1        | 0          | 0          | 0          | 0          | <b>6</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | *              | \$1,562      | \$921          | *        | \$0        | \$0        | \$0        | \$0        | <b>\$1,221</b> |
| <b>85-89</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0            | 0              | 0        | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>90-94</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0            | 0              | 0        | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>95 &amp; Over</b> | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0            | 0              | 0        | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>Total</b>         | <b>76</b>              | <b>203</b>     | <b>170</b>     | <b>114</b>     | <b>127</b>     | <b>432</b>     | <b>119</b>     | <b>20</b>    | <b>3</b>       | <b>1</b> | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>1,265</b>   |
|                      | <b>\$3,845</b>         | <b>\$3,517</b> | <b>\$3,532</b> | <b>\$3,026</b> | <b>\$2,859</b> | <b>\$2,593</b> | <b>\$1,452</b> | <b>\$965</b> | <b>\$1,110</b> | <b>*</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,870</b> |

Average:                      Age            60.7  
    Years Retired            4.8

Males            1,154  
Females            111

\*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 2  |                        |                |                |                |                |                |                |                |              |            |            |            |            |            |
| Attained Age  | Attained Years Retired |                |                |                |                |                |                |                |              |            |            |            |            | Total      |
|   | 0                      | 1              | 2              | 3              | 4              | 5-9            | 10-14          | 15-19          | 20-24        | 25-29      | 30-34      | 35-39      | 40 & Over  |            |
| <b>Under 50</b>   | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0            | 0          | 0          | 0          | 0          | 0          |
|   | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>50-54</b>  | 10                     | 19             | 3              | 3              | 0              | 0              | 0              | 0              | 0            | 0          | 0          | 0          | 0          | 0          |
|   | \$5,192                | \$3,627        | \$2,832        | \$2,955        | \$0            | \$0            | \$0            | \$0            | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>55-59</b>  | 32                     | 70             | 49             | 42             | 23             | 45             | 0              | 0              | 0            | 0          | 0          | 0          | 0          | 0          |
|   | \$4,723                | \$4,677        | \$3,960        | \$3,457        | \$3,338        | \$2,753        | \$0            | \$0            | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>60-64</b>  | 14                     | 49             | 30             | 17             | 21             | 102            | 10             | 0              | 0            | 0          | 0          | 0          | 0          | 0          |
|   | \$4,194                | \$4,573        | \$4,240        | \$3,347        | \$4,065        | \$2,948        | \$2,171        | \$0            | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>65-69</b>  | 1                      | 8              | 7              | 6              | 9              | 35             | 26             | 0              | 0            | 0          | 0          | 0          | 0          | 0          |
|   | *                      | \$2,958        | \$2,457        | \$3,747        | \$2,775        | \$2,562        | \$2,024        | \$0            | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>70-74</b>  | 0                      | 2              | 3              | 1              | 4              | 14             | 8              | 3              | 0            | 0          | 0          | 0          | 0          | 0          |
|   | \$0                    | \$2,182        | \$2,187        | *              | \$2,269        | \$2,170        | \$2,173        | \$955          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>75-79</b>  | 0                      | 0              | 0              | 0              | 0              | 1              | 7              | 10             | 2            | 0          | 0          | 0          | 0          | 0          |
|   | \$0                    | \$0            | \$0            | \$0            | \$0            | *              | \$1,552        | \$1,095        | \$1,330      | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>80-84</b>  | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 1              | 3            | 0          | 0          | 0          | 0          | 0          |
|   | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | *              | \$691        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>85-89</b>  | 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        |
| <b>90-94</b>  | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0            | 0          | 0          | 0          | 0          | 0          |
|   | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>95 &amp; Over</b>  | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0            | 0          | 0          | 0          | 0          | 0          |
|   | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>Total</b>  | <b>57</b>              | <b>148</b>     | <b>92</b>      | <b>69</b>      | <b>57</b>      | <b>197</b>     | <b>51</b>      | <b>14</b>      | <b>6</b>     | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   |
|   | <b>\$4,662</b>         | <b>\$4,381</b> | <b>\$3,842</b> | <b>\$3,386</b> | <b>\$3,442</b> | <b>\$2,771</b> | <b>\$2,011</b> | <b>\$1,193</b> | <b>\$834</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

Average: Age 61.3  
Years Retired 4.4

Males 664  
Females 27

\*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)*

**WSPRS Plan 1**

| Attained Age         | Attained Years Retired |                |                |                |                |                |                |                |                |                |                |                |           | Total          |                |
|----------------------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------|----------------|----------------|
|                      | 0                      | 1              | 2              | 3              | 4              | 5-9            | 10-14          | 15-19          | 20-24          | 25-29          | 30-34          | 35-39          | 40 & Over |                |                |
| <b>Under 50</b>      | 3                      | 13             | 6              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0         | 0              | <b>22</b>      |
|                      | \$4,181                | \$4,291        | \$4,662        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0       | \$0            | <b>\$4,377</b> |
| <b>50-54</b>         | 8                      | 19             | 15             | 4              | 3              | 8              | 0              | 0              | 0              | 0              | 0              | 0              | 0         | <b>57</b>      |                |
|                      | \$4,312                | \$4,341        | \$4,708        | \$4,119        | \$3,545        | \$4,012        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0       | <b>\$4,330</b> |                |
| <b>55-59</b>         | 5                      | 12             | 13             | 4              | 4              | 54             | 10             | 0              | 0              | 0              | 0              | 0              | 0         | <b>102</b>     |                |
|                      | \$4,132                | \$3,361        | \$4,447        | \$4,584        | \$4,628        | \$4,224        | \$4,047        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0       | <b>\$4,159</b> |                |
| <b>60-64</b>         | 4                      | 2              | 2              | 3              | 4              | 44             | 76             | 19             | 0              | 0              | 0              | 0              | 0         | <b>154</b>     |                |
|                      | \$2,997                | \$1,403        | \$5,293        | \$5,843        | \$4,741        | \$4,465        | \$4,269        | \$3,576        | \$0            | \$0            | \$0            | \$0            | \$0       | <b>\$4,225</b> |                |
| <b>65-69</b>         | 0                      | 0              | 0              | 0              | 0              | 24             | 55             | 95             | 11             | 0              | 0              | 0              | 0         | <b>185</b>     |                |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$3,795        | \$4,637        | \$3,794        | \$3,428        | \$0            | \$0            | \$0            | \$0       | <b>\$4,023</b> |                |
| <b>70-74</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 14             | 65             | 51             | 4              | 0              | 0              | 0         | <b>134</b>     |                |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$4,641        | \$4,308        | \$3,479        | \$3,615        | \$0            | \$0            | \$0       | <b>\$4,007</b> |                |
| <b>75-79</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 11             | 27             | 19             | 3              | 0              | 0         | <b>60</b>      |                |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$4,578        | \$3,567        | \$3,320        | \$2,406        | \$0            | \$0       | <b>\$3,616</b> |                |
| <b>80-84</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 9              | 23             | 15             | 0              | 0         | <b>47</b>      |                |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$3,828        | \$3,252        | \$2,953        | \$0            | \$0       | <b>\$3,267</b> |                |
| <b>85-89</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 3              | 8              | 1              | 1         | <b>13</b>      |                |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$3,419        | \$3,608        | *              | *         | <b>\$3,246</b> |                |
| <b>90-94</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 2              | 0              | 0         | <b>2</b>       |                |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$2,816        | \$0            | \$0       | <b>\$2,816</b> |                |
| <b>95 &amp; Over</b> | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 1              | 0         | <b>1</b>       |                |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | *              | \$0       | <b>*</b>       |                |
| <b>Total</b>         | <b>20</b>              | <b>46</b>      | <b>36</b>      | <b>11</b>      | <b>11</b>      | <b>130</b>     | <b>155</b>     | <b>190</b>     | <b>98</b>      | <b>49</b>      | <b>28</b>      | <b>2</b>       | <b>1</b>  | <b>777</b>     |                |
|                      | <b>\$3,984</b>         | <b>\$3,944</b> | <b>\$4,639</b> | <b>\$4,758</b> | <b>\$4,374</b> | <b>\$4,213</b> | <b>\$4,419</b> | <b>\$3,993</b> | <b>\$3,530</b> | <b>\$3,318</b> | <b>\$3,072</b> | <b>\$1,978</b> | <b>*</b>  | <b>\$4,015</b> |                |

Average:                      Age            66.0  
     Years Retired    13.8

Males            760  
 Females        17

\*Monthly benefit omitted for privacy reasons.

| Age and Years Retired Distribution of All Members With Disabilities<br>(Number of All Members With Disabilities and Average Monthly Benefit) |                        |              |                |                |                |                |                |              |              |              |              |              |              |              |                |
|--|------------------------|--------------|----------------|----------------|----------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| PERS Plan 1  |                        |              |                |                |                |                |                |              |              |              |              |              |              |              |                |
| Attained Age   | Attained Years Retired |              |                |                |                |                |                |              |              |              |              |              |              | Total        |                |
|  | 0                      | 1            | 2              | 3              | 4              | 5-9            | 10-14          | 15-19        | 20-24        | 25-29        | 30-34        | 35-39        | 40 & Over    |              |                |
| <b>Under 50</b>  | 0                      | 0            | 0              | 0              | 0              | 0              | 0              | 0            | 0            | 0            | 0            | 0            | 0            | 0            | <b>0</b>       |
|  | \$0                    | \$0          | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | <b>\$0</b>     |
| <b>50-54</b>   | 0                      | 0            | 0              | 0              | 1              | 1              | 3              | 0            | 0            | 0            | 0            | 0            | 0            | 0            | <b>5</b>       |
|  | \$0                    | \$0          | \$0            | \$0            | *              | *              | \$573          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | <b>\$981</b>   |
| <b>55-59</b>   | 1                      | 9            | 5              | 4              | 4              | 54             | 29             | 10           | 4            | 1            | 0            | 0            | 0            | 0            | <b>121</b>     |
|  | *                      | \$868        | \$1,495        | \$727          | \$1,413        | \$1,060        | \$742          | \$571        | \$325        | *            | \$0          | \$0          | \$0          | \$0          | <b>\$925</b>   |
| <b>60-64</b>   | 0                      | 3            | 11             | 12             | 6              | 67             | 79             | 37           | 17           | 5            | 2            | 1            | 0            | 0            | <b>240</b>     |
|  | \$0                    | \$1,389      | \$1,300        | \$1,081        | \$1,354        | \$1,217        | \$1,121        | \$840        | \$639        | \$358        | \$220        | *            | \$0          | \$0          | <b>\$1,059</b> |
| <b>65-69</b>   | 0                      | 0            | 0              | 2              | 0              | 50             | 104            | 63           | 23           | 11           | 7            | 1            | 0            | 0            | <b>261</b>     |
|  | \$0                    | \$0          | \$0            | \$2,786        | \$0            | \$1,240        | \$1,082        | \$938        | \$719        | \$405        | \$402        | *            | \$0          | \$0          | <b>\$1,009</b> |
| <b>70-74</b>   | 0                      | 0            | 0              | 0              | 0              | 5              | 48             | 64           | 39           | 22           | 8            | 3            | 2            | 2            | <b>191</b>     |
|  | \$0                    | \$0          | \$0            | \$0            | \$0            | \$1,105        | \$1,124        | \$1,136      | \$786        | \$658        | \$345        | \$451        | \$393        | \$0          | <b>\$954</b>   |
| <b>75-79</b>   | 0                      | 0            | 0              | 0              | 0              | 0              | 0              | 30           | 49           | 36           | 12           | 10           | 0            | 0            | <b>137</b>     |
|  | \$0                    | \$0          | \$0            | \$0            | \$0            | \$0            | \$0            | \$974        | \$940        | \$779        | \$455        | \$330        | \$0          | \$0          | <b>\$818</b>   |
| <b>80-84</b>   | 0                      | 0            | 0              | 0              | 0              | 0              | 0              | 0            | 36           | 67           | 35           | 13           | 2            | 2            | <b>153</b>     |
|  | \$0                    | \$0          | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$932        | \$719        | \$713        | \$333        | \$297        | \$0          | <b>\$729</b>   |
| <b>85-89</b>   | 0                      | 0            | 0              | 0              | 0              | 0              | 0              | 0            | 0            | 19           | 44           | 19           | 3            | 3            | <b>85</b>      |
|  | \$0                    | \$0          | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0          | \$742        | \$656        | \$528        | \$408        | \$0          | <b>\$638</b>   |
| <b>90-94</b>   | 0                      | 0            | 0              | 0              | 0              | 0              | 0              | 0            | 0            | 0            | 17           | 22           | 5            | 5            | <b>44</b>      |
|  | \$0                    | \$0          | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0          | \$0          | \$729        | \$549        | \$416        | \$0          | <b>\$603</b>   |
| <b>95 &amp; Over</b>   | 0                      | 0            | 0              | 0              | 0              | 0              | 0              | 0            | 0            | 0            | 0            | 5            | 1            | 1            | <b>6</b>       |
|  | \$0                    | \$0          | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0          | \$0          | \$0          | \$887        | *            | \$0          | <b>\$823</b>   |
| <b>Total</b>   | <b>1</b>               | <b>12</b>    | <b>16</b>      | <b>18</b>      | <b>11</b>      | <b>177</b>     | <b>263</b>     | <b>204</b>   | <b>168</b>   | <b>161</b>   | <b>125</b>   | <b>74</b>    | <b>13</b>    | <b>1,243</b> |                |
|  | *                      | <b>\$998</b> | <b>\$1,361</b> | <b>\$1,192</b> | <b>\$1,425</b> | <b>\$1,173</b> | <b>\$1,058</b> | <b>\$970</b> | <b>\$827</b> | <b>\$692</b> | <b>\$622</b> | <b>\$490</b> | <b>\$399</b> | <b>\$906</b> |                |

Average:

Age 71.2  
Years Retired 18.7Males 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 |              |              |              |              |              |              |              |              |              |            |            |            | Total        |
|----------------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|--------------|
|                      | 0                      | 1            | 2            | 3            | 4            | 5-9          | 10-14        | 15-19        | 20-24        | 25-29        | 30-34      | 35-39      | 40 & Over  |              |
| <b>Under 50</b>      | 2                      | 9            | 4            | 2            | 3            | 12           | 3            | 0            | 0            | 0            | 0          | 0          | 0          | <b>35</b>    |
|                      | \$91                   | \$123        | \$152        | \$102        | \$119        | \$121        | \$67         | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | <b>\$117</b> |
| <b>50-54</b>         | 2                      | 14           | 14           | 13           | 6            | 25           | 9            | 3            | 0            | 0            | 0          | 0          | 0          | <b>86</b>    |
|                      | \$596                  | \$377        | \$283        | \$226        | \$222        | \$202        | \$93         | \$61         | \$0          | \$0          | \$0        | \$0        | \$0        | <b>\$241</b> |
| <b>55-59</b>         | 10                     | 29           | 28           | 20           | 14           | 95           | 30           | 2            | 0            | 0            | 0          | 0          | 0          | <b>228</b>   |
|                      | \$510                  | \$720        | \$474        | \$358        | \$319        | \$258        | \$162        | \$114        | \$0          | \$0          | \$0        | \$0        | \$0        | <b>\$353</b> |
| <b>60-64</b>         | 18                     | 58           | 42           | 33           | 32           | 137          | 100          | 17           | 0            | 0            | 0          | 0          | 0          | <b>437</b>   |
|                      | \$830                  | \$978        | \$680        | \$558        | \$503        | \$399        | \$230        | \$122        | \$0          | \$0          | \$0        | \$0        | \$0        | <b>\$491</b> |
| <b>65-69</b>         | 1                      | 21           | 18           | 27           | 18           | 249          | 128          | 33           | 4            | 0            | 0          | 0          | 0          | <b>499</b>   |
|                      | *                      | \$835        | \$791        | \$809        | \$731        | \$607        | \$323        | \$194        | \$81         | \$0          | \$0        | \$0        | \$0        | <b>\$533</b> |
| <b>70-74</b>         | 0                      | 1            | 1            | 3            | 0            | 86           | 152          | 51           | 6            | 0            | 0          | 0          | 0          | <b>300</b>   |
|                      | \$0                    | *            | *            | \$284        | \$0          | \$772        | \$510        | \$237        | \$164        | \$0          | \$0        | \$0        | \$0        | <b>\$531</b> |
| <b>75-79</b>         | 0                      | 0            | 0            | 0            | 1            | 1            | 56           | 71           | 17           | 0            | 0          | 0          | 0          | <b>146</b>   |
|                      | \$0                    | \$0          | \$0          | \$0          | *            | *            | \$654        | \$424        | \$267        | \$0          | \$0        | \$0        | \$0        | <b>\$499</b> |
| <b>80-84</b>         | 0                      | 0            | 0            | 1            | 0            | 0            | 1            | 39           | 26           | 2            | 0          | 0          | 0          | <b>69</b>    |
|                      | \$0                    | \$0          | \$0          | *            | \$0          | \$0          | *            | \$587        | \$312        | \$343        | \$0        | \$0        | \$0        | <b>\$462</b> |
| <b>85-89</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 10           | 2            | 0          | 0          | 0          | <b>12</b>    |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$332        | \$284        | \$0        | \$0        | \$0        | <b>\$324</b> |
| <b>90-94</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 1            | 0          | 0          | 0          | <b>1</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | *            | \$0        | \$0        | \$0        | <b>*</b>     |
| <b>95 &amp; Over</b> | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>Total</b>         | <b>33</b>              | <b>132</b>   | <b>107</b>   | <b>99</b>    | <b>74</b>    | <b>605</b>   | <b>479</b>   | <b>216</b>   | <b>63</b>    | <b>5</b>     | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>1,813</b> |
|                      | <b>\$654</b>           | <b>\$772</b> | <b>\$577</b> | <b>\$521</b> | <b>\$491</b> | <b>\$502</b> | <b>\$385</b> | <b>\$342</b> | <b>\$274</b> | <b>\$284</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$471</b> |

Average:

Age 65.7

Years Retired 8.8

Males 860

Females 953

\*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 3**

| Attained Age         | Attained Years Retired |              |              |              |              |              |          |            |            |            |            |            |            | Total      |              |
|----------------------|------------------------|--------------|--------------|--------------|--------------|--------------|----------|------------|------------|------------|------------|------------|------------|------------|--------------|
|                      | 0                      | 1            | 2            | 3            | 4            | 5-9          | 10-14    | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |            |              |
| <b>Under 50</b>      | 0                      | 0            | 1            | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>1</b>     |
|                      | \$0                    | \$0          | *            | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>     |
| <b>50-54</b>         | 0                      | 3            | 1            | 1            | 2            | 1            | 1        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>9</b>     |
|                      | \$0                    | \$271        | *            | *            | \$103        | *            | *        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$195</b> |
| <b>55-59</b>         | 2                      | 2            | 1            | 2            | 0            | 13           | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>20</b>    |
|                      | \$419                  | \$592        | *            | \$271        | \$0          | \$202        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$273</b> |
| <b>60-64</b>         | 1                      | 5            | 3            | 1            | 2            | 13           | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>25</b>    |
|                      | *                      | \$239        | \$331        | *            | \$215        | \$255        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$265</b> |
| <b>65-69</b>         | 1                      | 1            | 0            | 1            | 0            | 16           | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>19</b>    |
|                      | *                      | *            | \$0          | *            | \$0          | \$294        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$312</b> |
| <b>70-74</b>         | 0                      | 0            | 0            | 0            | 0            | 4            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>4</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$440        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$440</b> |
| <b>75-79</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>80-84</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>85-89</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>90-94</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>95 &amp; Over</b> | 0                      | 0            | 0            | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>Total</b>         | <b>4</b>               | <b>11</b>    | <b>6</b>     | <b>5</b>     | <b>4</b>     | <b>47</b>    | <b>1</b> | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>78</b>    |
|                      | <b>\$333</b>           | <b>\$332</b> | <b>\$261</b> | <b>\$333</b> | <b>\$159</b> | <b>\$268</b> | <b>*</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$277</b> |

Average:

Age 61.2  
 Years Retired 5.0

Males 40  
 Females 38

*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 |            |                |                |          |                |                |                |                |                |              |              |              | Total          |                |
|----------------------|------------------------|------------|----------------|----------------|----------|----------------|----------------|----------------|----------------|----------------|--------------|--------------|--------------|----------------|----------------|
|                      | 0                      | 1          | 2              | 3              | 4        | 5-9            | 10-14          | 15-19          | 20-24          | 25-29          | 30-34        | 35-39        | 40 & Over    |                |                |
| <b>Under 50</b>      | 0                      | 0          | 0              | 0              | 0        | 0              | 0              | 0              | 0              | 0              | 0            | 0            | 0            | 0              | <b>0</b>       |
|                      | \$0                    | \$0        | \$0            | \$0            | \$0      | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0          | \$0          | \$0            | <b>\$0</b>     |
| <b>50-54</b>         | 0                      | 0          | 0              | 0              | 0        | 0              | 0              | 0              | 0              | 0              | 0            | 0            | 0            | 0              | <b>0</b>       |
|                      | \$0                    | \$0        | \$0            | \$0            | \$0      | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0          | \$0          | \$0            | <b>\$0</b>     |
| <b>55-59</b>         | 0                      | 0          | 2              | 0              | 1        | 5              | 7              | 3              | 0              | 0              | 0            | 0            | 0            | 0              | <b>18</b>      |
|                      | \$0                    | \$0        | \$2,464        | \$0            | *        | \$2,289        | \$1,487        | \$1,369        | \$0            | \$0            | \$0          | \$0          | \$0          | \$0            | <b>\$1,871</b> |
| <b>60-64</b>         | 0                      | 0          | 0              | 3              | 0        | 27             | 44             | 28             | 9              | 2              | 2            | 0            | 0            | 0              | <b>115</b>     |
|                      | \$0                    | \$0        | \$0            | \$2,021        | \$0      | \$2,117        | \$1,872        | \$1,383        | \$863          | \$374          | \$296        | \$0          | \$0          | \$0            | <b>\$1,682</b> |
| <b>65-69</b>         | 0                      | 0          | 0              | 0              | 0        | 18             | 49             | 66             | 12             | 8              | 4            | 2            | 0            | 0              | <b>159</b>     |
|                      | \$0                    | \$0        | \$0            | \$0            | \$0      | \$1,745        | \$1,613        | \$1,648        | \$1,046        | \$603          | \$482        | \$376        | \$0          | \$0            | <b>\$1,505</b> |
| <b>70-74</b>         | 0                      | 0          | 0              | 0              | 0        | 0              | 11             | 31             | 28             | 15             | 6            | 6            | 0            | 0              | <b>97</b>      |
|                      | \$0                    | \$0        | \$0            | \$0            | \$0      | \$0            | \$1,619        | \$1,571        | \$1,360        | \$1,191        | \$887        | \$352        | \$0          | \$0            | <b>\$1,339</b> |
| <b>75-79</b>         | 0                      | 0          | 0              | 0              | 0        | 0              | 0              | 5              | 25             | 36             | 11           | 16           | 0            | 0              | <b>93</b>      |
|                      | \$0                    | \$0        | \$0            | \$0            | \$0      | \$0            | \$0            | \$0            | \$1,107        | \$1,409        | \$1,279      | \$921        | \$464        | \$0            | <b>\$1,122</b> |
| <b>80-84</b>         | 0                      | 0          | 0              | 0              | 0        | 0              | 0              | 0              | 5              | 39             | 38           | 7            | 0            | 0              | <b>89</b>      |
|                      | \$0                    | \$0        | \$0            | \$0            | \$0      | \$0            | \$0            | \$0            | \$0            | \$1,624        | \$1,294      | \$1,129      | \$710        | \$0            | <b>\$1,197</b> |
| <b>85-89</b>         | 0                      | 0          | 0              | 0              | 0        | 0              | 0              | 0              | 0              | 5              | 33           | 7            | 3            | 3              | <b>48</b>      |
|                      | \$0                    | \$0        | \$0            | \$0            | \$0      | \$0            | \$0            | \$0            | \$0            | \$1,123        | \$918        | \$865        | \$746        | \$0            | <b>\$921</b>   |
| <b>90-94</b>         | 0                      | 0          | 0              | 0              | 0        | 0              | 0              | 0              | 0              | 0              | 5            | 4            | 1            | 1              | <b>10</b>      |
|                      | \$0                    | \$0        | \$0            | \$0            | \$0      | \$0            | \$0            | \$0            | \$0            | \$0            | \$897        | \$999        | *            | *              | <b>\$883</b>   |
| <b>95 &amp; Over</b> | 0                      | 0          | 0              | 0              | 0        | 0              | 0              | 0              | 0              | 0              | 0            | 3            | 0            | 0              | <b>3</b>       |
|                      | \$0                    | \$0        | \$0            | \$0            | \$0      | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$596        | \$0          | \$0            | <b>\$596</b>   |
| <b>Total</b>         | <b>0</b>               | <b>0</b>   | <b>2</b>       | <b>3</b>       | <b>1</b> | <b>50</b>      | <b>111</b>     | <b>133</b>     | <b>79</b>      | <b>105</b>     | <b>99</b>    | <b>45</b>    | <b>4</b>     | <b>632</b>     |                |
|                      | <b>\$0</b>             | <b>\$0</b> | <b>\$2,464</b> | <b>\$2,021</b> | <b>*</b> | <b>\$2,000</b> | <b>\$1,708</b> | <b>\$1,547</b> | <b>\$1,288</b> | <b>\$1,196</b> | <b>\$966</b> | <b>\$602</b> | <b>\$647</b> | <b>\$1,364</b> |                |

Average:

Age 72.2  
 Years Retired 21.4

Males 234  
 Females 398

\*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 2**

| Attained Age         | Attained Years Retired |                |                |              |          |              |              |              |            |            |            |            |            | Total      |                |
|----------------------|------------------------|----------------|----------------|--------------|----------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|----------------|
|                      | 0                      | 1              | 2              | 3            | 4        | 5-9          | 10-14        | 15-19        | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |            |                |
| <b>Under 50</b>      | 0                      | 0              | 0              | 0            | 0        | 1            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | <b>1</b>       |
|                      | \$0                    | \$0            | \$0            | \$0          | \$0      | *            | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>       |
| <b>50-54</b>         | 0                      | 0              | 1              | 1            | 0        | 0            | 1            | 2            | 0          | 0          | 0          | 0          | 0          | 0          | <b>5</b>       |
|                      | \$0                    | \$0            | *              | *            | \$0      | \$0          | *            | \$68         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$184</b>   |
| <b>55-59</b>         | 0                      | 1              | 2              | 0            | 0        | 5            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | <b>8</b>       |
|                      | \$0                    | *              | \$793          | \$0          | \$0      | \$417        | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$585</b>   |
| <b>60-64</b>         | 0                      | 0              | 1              | 2            | 0        | 7            | 5            | 3            | 0          | 0          | 0          | 0          | 0          | 0          | <b>18</b>      |
|                      | \$0                    | \$0            | *              | \$746        | \$0      | \$448        | \$264        | \$195        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$443</b>   |
| <b>65-69</b>         | 0                      | 1              | 1              | 1            | 1        | 15           | 4            | 2            | 0          | 0          | 0          | 0          | 0          | 0          | <b>25</b>      |
|                      | \$0                    | *              | *              | *            | *        | \$688        | \$622        | \$417        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$789</b>   |
| <b>70-74</b>         | 0                      | 0              | 0              | 0            | 0        | 5            | 11           | 3            | 0          | 0          | 0          | 0          | 0          | 0          | <b>19</b>      |
|                      | \$0                    | \$0            | \$0            | \$0          | \$0      | \$1,262      | \$625        | \$728        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$809</b>   |
| <b>75-79</b>         | 0                      | 0              | 0              | 0            | 0        | 0            | 1            | 8            | 0          | 0          | 0          | 0          | 0          | 0          | <b>9</b>       |
|                      | \$0                    | \$0            | \$0            | \$0          | \$0      | \$0          | *            | \$737        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$818</b>   |
| <b>80-84</b>         | 0                      | 0              | 0              | 0            | 0        | 0            | 0            | 2            | 0          | 0          | 0          | 0          | 0          | 0          | <b>2</b>       |
|                      | \$0                    | \$0            | \$0            | \$0          | \$0      | \$0          | \$0          | \$0          | \$1,653    | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$1,653</b> |
| <b>85-89</b>         | 0                      | 0              | 0              | 0            | 0        | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0          | \$0      | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>90-94</b>         | 0                      | 0              | 0              | 0            | 0        | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0          | \$0      | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>95 &amp; Over</b> | 0                      | 0              | 0              | 0            | 0        | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0          | \$0      | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>Total</b>         | <b>0</b>               | <b>2</b>       | <b>5</b>       | <b>4</b>     | <b>1</b> | <b>33</b>    | <b>22</b>    | <b>20</b>    | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>87</b>      |
|                      | <b>\$0</b>             | <b>\$1,257</b> | <b>\$1,057</b> | <b>\$721</b> | <b>*</b> | <b>\$666</b> | <b>\$555</b> | <b>\$647</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$684</b>   |

Average:

Age 66.5  
 Years Retired 9.7

Males 26  
 Females 61

\*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 3**

| Attained Age         | Attained Years Retired |              |              |              |              |              |              |            |            |            |            |            |            | Total        |
|----------------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|--------------|
|                      | 0                      | 1            | 2            | 3            | 4            | 5-9          | 10-14        | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |              |
| <b>Under 50</b>      | 0                      | 0            | 1            | 1            | 0            | 1            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 3            |
|                      | \$0                    | \$0          | *            | *            | \$0          | *            | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$85         |
| <b>50-54</b>         | 0                      | 0            | 1            | 2            | 0            | 2            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 5            |
|                      | \$0                    | \$0          | *            | \$102        | \$0          | \$105        | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$143        |
| <b>55-59</b>         | 0                      | 3            | 2            | 1            | 1            | 6            | 3            | 0          | 0          | 0          | 0          | 0          | 0          | 16           |
|                      | \$0                    | \$466        | \$255        | *            | *            | \$163        | \$126        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$258        |
| <b>60-64</b>         | 0                      | 1            | 5            | 1            | 1            | 11           | 8            | 0          | 0          | 0          | 0          | 0          | 0          | 27           |
|                      | \$0                    | *            | \$738        | *            | *            | \$266        | \$183        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$337        |
| <b>65-69</b>         | 0                      | 1            | 0            | 0            | 1            | 9            | 10           | 0          | 0          | 0          | 0          | 0          | 0          | 21           |
|                      | \$0                    | *            | \$0          | \$0          | *            | \$497        | \$258        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$392        |
| <b>70-74</b>         | 0                      | 0            | 0            | 1            | 0            | 1            | 2            | 0          | 0          | 0          | 0          | 0          | 0          | 4            |
|                      | \$0                    | \$0          | \$0          | *            | \$0          | *            | \$278        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$298        |
| <b>75-79</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0            |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0          |
| <b>80-84</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0            |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0          |
| <b>85-89</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0            |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0          |
| <b>90-94</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0            |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0          |
| <b>95 &amp; Over</b> | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0            |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0          |
| <b>Total</b>         | <b>0</b>               | <b>5</b>     | <b>9</b>     | <b>6</b>     | <b>3</b>     | <b>30</b>    | <b>23</b>    | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>76</b>    |
|                      | <b>\$0</b>             | <b>\$555</b> | <b>\$517</b> | <b>\$160</b> | <b>\$355</b> | <b>\$306</b> | <b>\$216</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$311</b> |

Average:

Age 61.4  
 Years Retired 6.8

Males 29  
 Females 47

*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 |              |              |              |              |              |              |            |            |            |            |            |            | Total      |              |
|----------------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|------------|--------------|
|                      | 0                      | 1            | 2            | 3            | 4            | 5-9          | 10-14        | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |            |              |
| <b>Under 50</b>      | 0                      | 0            | 0            | 2            | 0            | 1            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>3</b>     |
|                      | \$0                    | \$0          | \$0          | \$108        | \$0          | *            | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$108</b> |
| <b>50-54</b>         | 0                      | 1            | 0            | 0            | 0            | 4            | 1            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>6</b>     |
|                      | \$0                    | *            | \$0          | \$0          | \$0          | \$93         | *            | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$87</b>  |
| <b>55-59</b>         | 1                      | 8            | 6            | 5            | 2            | 16           | 1            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>39</b>    |
|                      | *                      | \$286        | \$311        | \$254        | \$148        | \$169        | *            | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$220</b> |
| <b>60-64</b>         | 2                      | 8            | 10           | 7            | 7            | 27           | 6            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>67</b>    |
|                      | \$737                  | \$602        | \$434        | \$260        | \$334        | \$207        | \$178        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$320</b> |
| <b>65-69</b>         | 0                      | 5            | 2            | 7            | 5            | 48           | 15           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>82</b>    |
|                      | \$0                    | \$462        | \$741        | \$355        | \$446        | \$308        | \$255        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$331</b> |
| <b>70-74</b>         | 0                      | 0            | 0            | 0            | 0            | 17           | 17           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>34</b>    |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$540        | \$338        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$439</b> |
| <b>75-79</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 4            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>4</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$846        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$846</b> |
| <b>80-84</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 1            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>1</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | *            | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>     |
| <b>85-89</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>90-94</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>95 &amp; Over</b> | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>Total</b>         | <b>3</b>               | <b>22</b>    | <b>18</b>    | <b>21</b>    | <b>14</b>    | <b>113</b>   | <b>45</b>    | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>236</b>   |
|                      | <b>\$514</b>           | <b>\$432</b> | <b>\$427</b> | <b>\$276</b> | <b>\$347</b> | <b>\$290</b> | <b>\$326</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$325</b> |

Average:

Age 64.2  
 Years Retired 6.2

Males 81  
 Females 155

\*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 |              |              |              |              |              |              |            |            |            |            |            |            | Total      |              |
|----------------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|------------|--------------|
|                      | 0                      | 1            | 2            | 3            | 4            | 5-9          | 10-14        | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |            |              |
| <b>Under 50</b>      | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>50-54</b>         | 1                      | 1            | 1            | 0            | 0            | 1            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>4</b>     |
|                      | *                      | *            | *            | \$0          | \$0          | *            | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$143</b> |
| <b>55-59</b>         | 0                      | 0            | 0            | 1            | 0            | 4            | 1            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>6</b>     |
|                      | \$0                    | \$0          | \$0          | *            | \$0          | \$180        | *            | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$146</b> |
| <b>60-64</b>         | 1                      | 3            | 3            | 1            | 3            | 17           | 2            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>30</b>    |
|                      | *                      | \$205        | \$432        | *            | \$438        | \$176        | \$129        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$233</b> |
| <b>65-69</b>         | 0                      | 0            | 1            | 1            | 2            | 11           | 6            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>21</b>    |
|                      | \$0                    | \$0          | *            | *            | \$221        | \$197        | \$165        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$213</b> |
| <b>70-74</b>         | 0                      | 0            | 0            | 0            | 0            | 1            | 7            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>8</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | *            | \$293        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$335</b> |
| <b>75-79</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 1            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>1</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | *            | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>     |
| <b>80-84</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>85-89</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>90-94</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>95 &amp; Over</b> | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>Total</b>         | <b>2</b>               | <b>4</b>     | <b>5</b>     | <b>3</b>     | <b>5</b>     | <b>34</b>    | <b>17</b>    | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>70</b>    |
|                      | <b>\$156</b>           | <b>\$201</b> | <b>\$468</b> | <b>\$166</b> | <b>\$351</b> | <b>\$192</b> | <b>\$240</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$233</b> |

Average:

Age 63.9  
 Years Retired 6.5

Males 27  
 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 |            |          |          |            |          |            |            |            |            |            |            |            | Total      |              |
|----------------------|------------------------|------------|----------|----------|------------|----------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|
|                      | 0                      | 1          | 2        | 3        | 4          | 5-9      | 10-14      | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |            |              |
| <b>Under 50</b>      | 0                      | 0          | 0        | 0        | 0          | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>50-54</b>         | 0                      | 0          | 0        | 0        | 0          | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>55-59</b>         | 1                      | 0          | 1        | 0        | 0          | 1        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>3</b>     |
|                      | *                      | \$0        | *        | \$0      | \$0        | *        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$148</b> |
| <b>60-64</b>         | 1                      | 0          | 0        | 1        | 0          | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>2</b>     |
|                      | *                      | \$0        | \$0      | *        | \$0        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$235</b> |
| <b>65-69</b>         | 0                      | 0          | 0        | 0        | 0          | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>70-74</b>         | 0                      | 0          | 0        | 0        | 0          | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>75-79</b>         | 0                      | 0          | 0        | 0        | 0          | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>80-84</b>         | 0                      | 0          | 0        | 0        | 0          | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>85-89</b>         | 0                      | 0          | 0        | 0        | 0          | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>90-94</b>         | 0                      | 0          | 0        | 0        | 0          | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>95 &amp; Over</b> | 0                      | 0          | 0        | 0        | 0          | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>Total</b>         | <b>2</b>               | <b>0</b>   | <b>1</b> | <b>1</b> | <b>0</b>   | <b>1</b> | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>5</b>     |
|                      | <b>\$297</b>           | <b>\$0</b> | <b>*</b> | <b>*</b> | <b>\$0</b> | <b>*</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$183</b> |

Average:

Age 58.3  
 Years Retired 2.2

Males 4  
 Females 1

\*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 |            |            |            |                |                |                |                |                |                |                |                |                | Total      |                |
|----------------------|------------------------|------------|------------|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|----------------|
|                      | 0                      | 1          | 2          | 3          | 4              | 5-9            | 10-14          | 15-19          | 20-24          | 25-29          | 30-34          | 35-39          | 40 & Over      |            |                |
| <b>Under 50</b>      | 0                      | 0          | 0          | 0          | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0          | <b>0</b>       |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0        | <b>\$0</b>     |
| <b>50-54</b>         | 0                      | 0          | 0          | 0          | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0          | <b>0</b>       |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0        | <b>\$0</b>     |
| <b>55-59</b>         | 0                      | 0          | 0          | 0          | 0              | 11             | 24             | 24             | 14             | 9              | 3              | 0              | 0              | 0          | <b>85</b>      |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0            | \$4,399        | \$3,582        | \$3,176        | \$2,863        | \$2,708        | \$1,918        | \$0            | \$0            | \$0        | <b>\$3,303</b> |
| <b>60-64</b>         | 0                      | 0          | 0          | 0          | 1              | 24             | 83             | 104            | 69             | 60             | 38             | 3              | 0              | 0          | <b>382</b>     |
|                      | \$0                    | \$0        | \$0        | \$0        | *              | \$3,793        | \$3,527        | \$3,231        | \$2,927        | \$2,715        | \$2,574        | \$2,075        | \$0            | \$0        | <b>\$3,126</b> |
| <b>65-69</b>         | 0                      | 0          | 0          | 0          | 1              | 10             | 87             | 197            | 130            | 96             | 99             | 37             | 6              | 6          | <b>663</b>     |
|                      | \$0                    | \$0        | \$0        | \$0        | *              | \$4,340        | \$3,719        | \$3,480        | \$3,095        | \$2,794        | \$2,764        | \$2,651        | \$2,749        | \$0        | <b>\$3,189</b> |
| <b>70-74</b>         | 0                      | 0          | 0          | 0          | 0              | 1              | 15             | 64             | 87             | 63             | 53             | 35             | 4              | 4          | <b>322</b>     |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0            | *              | \$3,646        | \$3,585        | \$3,402        | \$3,023        | \$2,858        | \$2,819        | \$2,519        | \$0        | <b>\$3,207</b> |
| <b>75-79</b>         | 0                      | 0          | 0          | 0          | 0              | 0              | 3              | 12             | 25             | 33             | 49             | 23             | 13             | 13         | <b>158</b>     |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0            | \$0            | \$0            | \$3,132        | \$3,595        | \$3,468        | \$2,817        | \$3,149        | \$2,904        | \$2,809    | <b>\$3,100</b> |
| <b>80-84</b>         | 0                      | 0          | 0          | 0          | 0              | 0              | 0              | 1              | 3              | 14             | 34             | 19             | 8              | 8          | <b>79</b>      |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0            | \$0            | \$0            | *              | \$2,553        | \$3,118        | \$3,200        | \$2,776        | \$2,888        | \$0        | <b>\$3,049</b> |
| <b>85-89</b>         | 0                      | 0          | 0          | 0          | 0              | 0              | 0              | 1              | 0              | 2              | 13             | 17             | 5              | 5          | <b>38</b>      |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0            | \$0            | \$0            | *              | \$0            | \$2,838        | \$3,188        | \$3,483        | \$2,741        | \$0        | <b>\$3,233</b> |
| <b>90-94</b>         | 0                      | 0          | 0          | 0          | 0              | 0              | 0              | 0              | 0              | 1              | 1              | 4              | 2              | 2          | <b>8</b>       |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0            | \$0            | \$0            | \$0            | \$0            | *              | *              | \$3,218        | \$3,135        | \$0        | <b>\$2,985</b> |
| <b>95 &amp; Over</b> | 0                      | 0          | 0          | 0          | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 1              | 1          | <b>1</b>       |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | *              | *          | <b>*</b>       |
| <b>Total</b>         | <b>0</b>               | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>2</b>       | <b>46</b>      | <b>212</b>     | <b>403</b>     | <b>328</b>     | <b>278</b>     | <b>290</b>     | <b>138</b>     | <b>39</b>      | <b>39</b>  | <b>1,736</b>   |
|                      | <b>\$0</b>             | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$4,176</b> | <b>\$4,017</b> | <b>\$3,615</b> | <b>\$3,420</b> | <b>\$3,155</b> | <b>\$2,843</b> | <b>\$2,883</b> | <b>\$2,860</b> | <b>\$2,790</b> | <b>\$0</b> | <b>\$3,169</b> |

Average:

Age 68.4  
 Years Retired 23.3

Males 1,684  
 Females 52

\*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 |          |            |            |                |                |                |                |                |                |                |                |                | Total        |                |
|----------------------|------------------------|----------|------------|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|----------------|
|                      | 0                      | 1        | 2          | 3          | 4              | 5-9            | 10-14          | 15-19          | 20-24          | 25-29          | 30-34          | 35-39          | 40 & Over      |              |                |
| <b>Under 50</b>      | 0                      | 0        | 0          | 0          | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0            | <b>0</b>       |
|                      | \$0                    | \$0      | \$0        | \$0        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | <b>\$0</b>     |
| <b>50-54</b>         | 0                      | 1        | 0          | 0          | 0              | 0              | 0              | 0              | 0              | 1              | 0              | 0              | 0              | 0            | <b>2</b>       |
|                      | \$0                    | *        | \$0        | \$0        | \$0            | \$0            | \$0            | \$0            | \$0            | *              | \$0            | \$0            | \$0            | \$0          | <b>\$3,434</b> |
| <b>55-59</b>         | 0                      | 0        | 0          | 0          | 4              | 10             | 24             | 12             | 8              | 5              | 0              | 0              | 0              | 0            | <b>63</b>      |
|                      | \$0                    | \$0      | \$0        | \$0        | \$4,752        | \$4,340        | \$3,623        | \$3,334        | \$3,005        | \$2,806        | \$0            | \$0            | \$0            | \$0          | <b>\$3,610</b> |
| <b>60-64</b>         | 0                      | 0        | 0          | 0          | 2              | 55             | 111            | 64             | 50             | 22             | 24             | 5              | 0              | 0            | <b>333</b>     |
|                      | \$0                    | \$0      | \$0        | \$0        | \$4,077        | \$4,359        | \$3,800        | \$3,547        | \$3,191        | \$2,766        | \$2,615        | \$2,508        | \$0            | \$0          | <b>\$3,581</b> |
| <b>65-69</b>         | 0                      | 0        | 0          | 0          | 0              | 35             | 156            | 226            | 133            | 48             | 32             | 25             | 1              | 0            | <b>656</b>     |
|                      | \$0                    | \$0      | \$0        | \$0        | \$0            | \$4,107        | \$3,939        | \$3,694        | \$3,387        | \$2,943        | \$2,922        | \$2,652        | *              | \$0          | <b>\$3,578</b> |
| <b>70-74</b>         | 0                      | 0        | 0          | 0          | 1              | 3              | 41             | 109            | 137            | 45             | 48             | 23             | 3              | 0            | <b>410</b>     |
|                      | \$0                    | \$0      | \$0        | \$0        | *              | \$3,756        | \$4,003        | \$3,747        | \$3,671        | \$3,035        | \$3,066        | \$2,790        | \$2,236        | \$0          | <b>\$3,530</b> |
| <b>75-79</b>         | 0                      | 0        | 0          | 0          | 0              | 0              | 1              | 16             | 52             | 38             | 49             | 21             | 2              | 0            | <b>179</b>     |
|                      | \$0                    | \$0      | \$0        | \$0        | \$0            | \$0            | *              | \$3,689        | \$3,617        | \$3,416        | \$3,432        | \$2,839        | \$2,246        | \$0          | <b>\$3,425</b> |
| <b>80-84</b>         | 0                      | 0        | 0          | 0          | 0              | 0              | 0              | 3              | 15             | 25             | 53             | 38             | 6              | 0            | <b>140</b>     |
|                      | \$0                    | \$0      | \$0        | \$0        | \$0            | \$0            | \$0            | \$3,671        | \$3,798        | \$3,726        | \$3,443        | \$3,261        | \$2,860        | \$0          | <b>\$3,462</b> |
| <b>85-89</b>         | 0                      | 0        | 0          | 0          | 0              | 0              | 0              | 0              | 0              | 1              | 28             | 57             | 15             | 0            | <b>101</b>     |
|                      | \$0                    | \$0      | \$0        | \$0        | \$0            | \$0            | \$0            | \$0            | \$0            | *              | \$3,673        | \$3,392        | \$3,036        | \$0          | <b>\$3,420</b> |
| <b>90-94</b>         | 0                      | 0        | 0          | 0          | 0              | 0              | 0              | 0              | 0              | 0              | 3              | 14             | 18             | 0            | <b>35</b>      |
|                      | \$0                    | \$0      | \$0        | \$0        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$3,165        | \$3,479        | \$3,128        | \$0          | <b>\$3,272</b> |
| <b>95 &amp; Over</b> | 0                      | 0        | 0          | 0          | 0              | 0              | 0              | 0              | 0              | 0              | 1              | 1              | 2              | 0            | <b>4</b>       |
|                      | \$0                    | \$0      | \$0        | \$0        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | *              | *              | \$3,124        | \$0          | <b>\$3,310</b> |
| <b>Total</b>         | <b>0</b>               | <b>1</b> | <b>0</b>   | <b>0</b>   | <b>7</b>       | <b>103</b>     | <b>333</b>     | <b>430</b>     | <b>395</b>     | <b>185</b>     | <b>238</b>     | <b>184</b>     | <b>47</b>      | <b>1,923</b> |                |
|                      | <b>\$0</b>             | <b>*</b> | <b>\$0</b> | <b>\$0</b> | <b>\$4,742</b> | <b>\$4,254</b> | <b>\$3,878</b> | <b>\$3,675</b> | <b>\$3,499</b> | <b>\$3,146</b> | <b>\$3,234</b> | <b>\$3,111</b> | <b>\$2,963</b> | <b>\$0</b>   | <b>\$3,532</b> |

Average:

Age 70.4  
 Years Retired 21.9

Males 1,919  
 Females 4

\*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 |          |           |           |           |           |           |          |          |          |          |          |           | Total          |
|----------------------|------------------------|----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|-----------|----------------|
|                      | 0                      | 1        | 2         | 3         | 4         | 5-9       | 10-14     | 15-19    | 20-24    | 25-29    | 30-34    | 35-39    | 40 & Over |                |
| <b>Under 50</b>      | 1                      | 3        | 5         | 3         | 4         | 8         | 2         | 0        | 0        | 0        | 0        | 0        | 0         | <b>26</b>      |
|                      | *                      | \$1,976  | \$2,300   | \$1,318   | \$1,436   | \$1,168   | \$430     | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       | <b>\$1,531</b> |
| <b>50-54</b>         | 0                      | 1        | 4         | 1         | 3         | 7         | 5         | 0        | 0        | 0        | 0        | 0        | 0         | <b>21</b>      |
|                      | \$0                    | *        | \$1,858   | *         | \$1,800   | \$1,524   | \$828     | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       | <b>\$1,532</b> |
| <b>55-59</b>         | 0                      | 0        | 2         | 4         | 6         | 23        | 5         | 0        | 0        | 0        | 0        | 0        | 0         | <b>40</b>      |
|                      | \$0                    | \$0      | \$2,276   | \$2,553   | \$3,552   | \$2,804   | \$876     | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       | <b>\$2,623</b> |
| <b>60-64</b>         | 0                      | 4        | 3         | 4         | 4         | 20        | 5         | 0        | 1        | 0        | 0        | 0        | 0         | <b>41</b>      |
|                      | \$0                    | \$2,051  | \$3,321   | \$3,385   | \$2,833   | \$2,302   | \$1,326   | \$0      | *        | \$0      | \$0      | \$0      | \$0       | <b>\$2,338</b> |
| <b>65-69</b>         | 0                      | 0        | 0         | 0         | 0         | 8         | 5         | 0        | 0        | 0        | 0        | 0        | 0         | <b>13</b>      |
|                      | \$0                    | \$0      | \$0       | \$0       | \$0       | \$2,386   | \$1,632   | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       | <b>\$2,096</b> |
| <b>70-74</b>         | 0                      | 0        | 0         | 0         | 0         | 0         | 1         | 1        | 0        | 0        | 0        | 0        | 0         | <b>2</b>       |
|                      | \$0                    | \$0      | \$0       | \$0       | \$0       | \$0       | *         | *        | \$0      | \$0      | \$0      | \$0      | \$0       | <b>\$819</b>   |
| <b>75-79</b>         | 0                      | 0        | 0         | 0         | 0         | 0         | 0         | 0        | 0        | 0        | 0        | 0        | 0         | <b>0</b>       |
|                      | \$0                    | \$0      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       | <b>\$0</b>     |
| <b>80-84</b>         | 0                      | 0        | 0         | 0         | 0         | 0         | 0         | 0        | 0        | 0        | 1        | 0        | 0         | <b>1</b>       |
|                      | \$0                    | \$0      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0      | \$0      | \$0      | *        | \$0      | \$0       | <b>*</b>       |
| <b>85-89</b>         | 0                      | 0        | 0         | 0         | 0         | 0         | 0         | 0        | 0        | 0        | 0        | 0        | 0         | <b>0</b>       |
|                      | \$0                    | \$0      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       | <b>\$0</b>     |
| <b>90-94</b>         | 0                      | 0        | 0         | 0         | 0         | 0         | 0         | 0        | 0        | 0        | 0        | 0        | 0         | <b>0</b>       |
|                      | \$0                    | \$0      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       | <b>\$0</b>     |
| <b>95 &amp; Over</b> | 0                      | 0        | 0         | 0         | 0         | 0         | 0         | 0        | 0        | 0        | 0        | 0        | 0         | <b>0</b>       |
|                      | \$0                    | \$0      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       | <b>\$0</b>     |
| <b>Total</b>         | <b>1</b>               | <b>8</b> | <b>14</b> | <b>12</b> | <b>17</b> | <b>66</b> | <b>23</b> | <b>1</b> | <b>1</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>0</b>  | <b>144</b>     |
|                      | *                      | \$2,121  | \$2,389   | \$2,450   | \$2,576   | \$2,267   | \$1,101   | *        | *        | \$0      | *        | \$0      | \$0       | <b>\$2,096</b> |

Average:            Age            56.7  
                             Years Retired    6.2

Males            118  
 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 |         |         |         |         |         |         |       |       |       |       |       |           | Total   |
|----------------------|------------------------|---------|---------|---------|---------|---------|---------|-------|-------|-------|-------|-------|-----------|---------|
|                      | 0                      | 1       | 2       | 3       | 4       | 5-9     | 10-14   | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40 & Over |         |
| <b>Under 50</b>      | 0                      | 0       | 2       | 0       | 0       | 6       | 1       | 0     | 0     | 0     | 0     | 0     | 0         | 9       |
|                      | \$0                    | \$0     | \$1,131 | \$0     | \$0     | \$920   | *       | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$1,003 |
| <b>50-54</b>         | 0                      | 1       | 3       | 1       | 1       | 6       | 1       | 0     | 0     | 0     | 0     | 0     | 0         | 13      |
|                      | \$0                    | *       | \$1,635 | *       | *       | \$1,579 | *       | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$1,757 |
| <b>55-59</b>         | 1                      | 4       | 8       | 4       | 6       | 8       | 3       | 0     | 0     | 0     | 0     | 0     | 0         | 34      |
|                      | *                      | \$5,319 | \$3,921 | \$3,292 | \$3,141 | \$2,851 | \$2,123 | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$3,443 |
| <b>60-64</b>         | 0                      | 3       | 0       | 3       | 4       | 10      | 3       | 0     | 0     | 0     | 0     | 0     | 0         | 23      |
|                      | \$0                    | \$4,619 | \$0     | \$3,219 | \$4,084 | \$2,937 | \$2,564 | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$3,344 |
| <b>65-69</b>         | 0                      | 0       | 2       | 1       | 1       | 6       | 2       | 1     | 0     | 0     | 0     | 0     | 0         | 13      |
|                      | \$0                    | \$0     | \$3,114 | *       | *       | \$2,417 | \$1,460 | *     | \$0   | \$0   | \$0   | \$0   | \$0       | \$2,282 |
| <b>70-74</b>         | 0                      | 0       | 0       | 0       | 0       | 1       | 1       | 1     | 0     | 0     | 0     | 0     | 0         | 3       |
|                      | \$0                    | \$0     | \$0     | \$0     | \$0     | *       | *       | *     | \$0   | \$0   | \$0   | \$0   | \$0       | \$1,120 |
| <b>75-79</b>         | 0                      | 0       | 0       | 0       | 0       | 0       | 0       | 0     | 0     | 0     | 0     | 0     | 0         | 0       |
|                      | \$0                    | \$0     | \$0     | \$0     | \$0     | \$0     | \$0     | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$0     |
| <b>80-84</b>         | 0                      | 0       | 0       | 0       | 0       | 0       | 0       | 0     | 0     | 0     | 0     | 0     | 0         | 0       |
|                      | \$0                    | \$0     | \$0     | \$0     | \$0     | \$0     | \$0     | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$0     |
| <b>85-89</b>         | 0                      | 0       | 0       | 0       | 0       | 0       | 0       | 0     | 0     | 0     | 0     | 0     | 0         | 0       |
|                      | \$0                    | \$0     | \$0     | \$0     | \$0     | \$0     | \$0     | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$0     |
| <b>90-94</b>         | 0                      | 0       | 0       | 0       | 0       | 0       | 0       | 0     | 0     | 0     | 0     | 0     | 0         | 0       |
|                      | \$0                    | \$0     | \$0     | \$0     | \$0     | \$0     | \$0     | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$0     |
| <b>95 &amp; Over</b> | 0                      | 0       | 0       | 0       | 0       | 0       | 0       | 0     | 0     | 0     | 0     | 0     | 0         | 0       |
|                      | \$0                    | \$0     | \$0     | \$0     | \$0     | \$0     | \$0     | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$0     |
| <b>Total</b>         | 1                      | 8       | 15      | 9       | 12      | 37      | 11      | 2     | 0     | 0     | 0     | 0     | 0         | 95      |
|                      | *                      | \$4,879 | \$2,984 | \$3,294 | \$3,120 | \$2,244 | \$1,856 | \$660 | \$0   | \$0   | \$0   | \$0   | \$0       | \$2,725 |

Average:                      Age                      57.8  
     Years Retired                      5.5

Males                      83  
 Females                      12

\*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)*

**WSPRS Plan 1**

| Attained Age         | Attained Years Retired |            |            |            |            |            |            |            |            |            |            |            |            | Total      |
|----------------------|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                      | 0                      | 1          | 2          | 3          | 4          | 5-9        | 10-14      | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |            |
| <b>Under 50</b>      | 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        | *          |
| <b>50-54</b>         | 0                      | 0          | 0          | 0          | 0          | 1          | 0          | 0          | 2          | 0          | 0          | 0          | 0          | 3          |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | *          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>55-59</b>         | 0                      | 0          | 0          | 0          | 0          | 1          | 1          | 0          | 1          | 0          | 1          | 0          | 0          | 4          |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | *          | *          | \$0        | *          | \$0        | *          | \$0        | \$0        | \$0        |
| <b>60-64</b>         | 0                      | 0          | 0          | 0          | 0          | 0          | 0          | 3          | 1          | 0          | 1          | 0          | 0          | 5          |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | *          | \$0        | *          | \$0        | \$0        | \$0        |
| <b>65-69</b>         | 0                      | 0          | 0          | 0          | 0          | 0          | 0          | 2          | 1          | 3          | 3          | 3          | 0          | 12         |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | *          | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>70-74</b>         | 0                      | 0          | 0          | 0          | 0          | 0          | 0          | 3          | 2          | 1          | 5          | 3          | 0          | 14         |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | *          | \$0        | \$0        | \$0        | \$0        |
| <b>75-79</b>         | 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        |
| <b>80-84</b>         | 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        |
| <b>85-89</b>         | 0                      | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>90-94</b>         | 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        | *          | *          |
| <b>95 &amp; Over</b> | 0                      | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>Total</b>         | <b>0</b>               | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>2</b>   | <b>2</b>   | <b>8</b>   | <b>9</b>   | <b>5</b>   | <b>15</b>  | <b>6</b>   | <b>2</b>   | <b>49</b>  |
|                      | <b>\$0</b>             | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

Average:

Age 68.0  
Years Retired 25.9

Males 44  
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.*

**Age and Years Retired Distribution of Survivors  
(Number of Survivors and Average Monthly Benefit)**

| PERS Plan 1          |                        |                |                |                |                |                |                |                |                |              |              |              |              |                |
|----------------------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|--------------|--------------|--------------|----------------|
| Attained Age         | Attained Years Retired |                |                |                |                |                |                |                |                |              |              |              |              |                |
|                      | 0                      | 1              | 2              | 3              | 4              | 5-9            | 10-14          | 15-19          | 20-24          | 25-29        | 30-34        | 35-39        | 40 & Over    | Total          |
| <b>Under 50</b>      | 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        |
| <b>50-54</b>         | 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        |
| <b>55-59</b>         | 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        |
| <b>60-64</b>         | 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        |
| <b>65-69</b>         | 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        |
| <b>70-74</b>         | 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        |
| <b>75-79</b>         | 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        |
| <b>80-84</b>         | 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        |
| <b>85-89</b>         | 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          |
| <b>90-94</b>         | 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          |
| <b>95 &amp; Over</b> | 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          |
| <b>Total</b>         | <b>5</b>               | <b>19</b>      | <b>20</b>      | <b>34</b>      | <b>34</b>      | <b>309</b>     | <b>569</b>     | <b>859</b>     | <b>1,056</b>   | <b>1,034</b> | <b>1,254</b> | <b>532</b>   | <b>182</b>   | <b>5,907</b>   |
|                      | <b>\$2,242</b>         | <b>\$1,938</b> | <b>\$2,494</b> | <b>\$1,860</b> | <b>\$1,980</b> | <b>\$1,816</b> | <b>\$1,401</b> | <b>\$1,268</b> | <b>\$1,150</b> | <b>\$949</b> | <b>\$867</b> | <b>\$778</b> | <b>\$656</b> | <b>\$1,099</b> |

Average:                      Age            79.2  
    Years Retired    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 |                |                |              |              |              |              |              |              |              |            |            |            | Total        |
|----------------------|------------------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|--------------|
|                      | 0                      | 1              | 2              | 3            | 4            | 5-9          | 10-14        | 15-19        | 20-24        | 25-29        | 30-34      | 35-39      | 40 & Over  |              |
| <b>Under 50</b>      | 2                      | 7              | 7              | 2            | 10           | 9            | 7            | 5            | 2            | 0            | 0          | 0          | 0          | <b>51</b>    |
|                      | \$588                  | \$635          | \$516          | \$446        | \$382        | \$473        | \$217        | \$205        | \$249        | \$0          | \$0        | \$0        | \$0        | <b>\$417</b> |
| <b>50-54</b>         | 2                      | 15             | 12             | 7            | 13           | 19           | 10           | 5            | 1            | 0            | 0          | 0          | 0          | <b>84</b>    |
|                      | \$2,590                | \$798          | \$881          | \$436        | \$541        | \$404        | \$427        | \$392        | *            | \$0          | \$0        | \$0        | \$0        | <b>\$618</b> |
| <b>55-59</b>         | 5                      | 23             | 17             | 25           | 20           | 63           | 22           | 6            | 0            | 0            | 0          | 0          | 0          | <b>181</b>   |
|                      | \$1,064                | \$971          | \$1,261        | \$835        | \$661        | \$496        | \$514        | \$208        | \$0          | \$0          | \$0        | \$0        | \$0        | <b>\$702</b> |
| <b>60-64</b>         | 7                      | 18             | 27             | 26           | 18           | 96           | 49           | 12           | 1            | 0            | 0          | 0          | 0          | <b>254</b>   |
|                      | \$990                  | \$1,043        | \$964          | \$920        | \$841        | \$665        | \$444        | \$530        | *            | \$0          | \$0        | \$0        | \$0        | <b>\$722</b> |
| <b>65-69</b>         | 1                      | 19             | 18             | 24           | 17           | 121          | 88           | 22           | 5            | 1            | 0          | 0          | 0          | <b>316</b>   |
|                      | *                      | \$1,555        | \$1,083        | \$928        | \$1,085      | \$862        | \$544        | \$387        | \$357        | *            | \$0        | \$0        | \$0        | <b>\$802</b> |
| <b>70-74</b>         | 0                      | 6              | 8              | 13           | 9            | 100          | 132          | 59           | 16           | 0            | 0          | 0          | 0          | <b>343</b>   |
|                      | \$0                    | \$635          | \$934          | \$873        | \$618        | \$946        | \$634        | \$419        | \$334        | \$0          | \$0        | \$0        | \$0        | <b>\$690</b> |
| <b>75-79</b>         | 0                      | 3              | 0              | 3            | 3            | 60           | 118          | 101          | 24           | 1            | 0          | 0          | 0          | <b>313</b>   |
|                      | \$0                    | \$1,107        | \$0            | \$613        | \$949        | \$754        | \$664        | \$530        | \$378        | *            | \$0        | \$0        | \$0        | <b>\$621</b> |
| <b>80-84</b>         | 0                      | 1              | 0              | 1            | 0            | 15           | 45           | 94           | 49           | 3            | 0          | 0          | 0          | <b>208</b>   |
|                      | \$0                    | *              | \$0            | *            | \$0          | \$908        | \$785        | \$577        | \$488        | \$345        | \$0        | \$0        | \$0        | <b>\$619</b> |
| <b>85-89</b>         | 0                      | 0              | 1              | 0            | 2            | 1            | 13           | 34           | 51           | 15           | 0          | 0          | 0          | <b>117</b>   |
|                      | \$0                    | \$0            | *              | \$0          | \$609        | *            | \$864        | \$628        | \$557        | \$419        | \$0        | \$0        | \$0        | <b>\$601</b> |
| <b>90-94</b>         | 0                      | 0              | 0              | 1            | 0            | 2            | 2            | 9            | 2            | 10           | 0          | 0          | 0          | <b>26</b>    |
|                      | \$0                    | \$0            | \$0            | *            | \$0          | \$629        | \$462        | \$509        | \$343        | \$296        | \$0        | \$0        | \$0        | <b>\$419</b> |
| <b>95 &amp; Over</b> | 0                      | 0              | 0              | 0            | 0            | 0            | 0            | 0            | 0            | 1            | 0          | 0          | 0          | <b>1</b>     |
|                      | \$0                    | \$0            | \$0            | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | *            | \$0        | \$0        | \$0        | <b>*</b>     |
| <b>Total</b>         | <b>17</b>              | <b>92</b>      | <b>90</b>      | <b>102</b>   | <b>92</b>    | <b>486</b>   | <b>486</b>   | <b>347</b>   | <b>151</b>   | <b>31</b>    | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>1,894</b> |
|                      | <b>\$1,134</b>         | <b>\$1,027</b> | <b>\$1,001</b> | <b>\$833</b> | <b>\$731</b> | <b>\$754</b> | <b>\$609</b> | <b>\$512</b> | <b>\$468</b> | <b>\$362</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$675</b> |

Average:                      Age            69.8  
     Years Retired    10.6

Males            354  
 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 |              |              |              |              |              |              |            |            |            |            |            |            | Total        |
|----------------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|--------------|
|                      | 0                      | 1            | 2            | 3            | 4            | 5-9          | 10-14        | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |              |
| <b>Under 50</b>      | 0                      | 2            | 0            | 1            | 2            | 3            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 8            |
|                      | \$0                    | \$271        | \$0          | *            | \$259        | \$238        | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$259        |
| <b>50-54</b>         | 3                      | 2            | 2            | 0            | 0            | 4            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 11           |
|                      | \$248                  | \$296        | \$321        | \$0          | \$0          | \$166        | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$241        |
| <b>55-59</b>         | 0                      | 4            | 3            | 5            | 1            | 8            | 2            | 0          | 0          | 0          | 0          | 0          | 0          | 23           |
|                      | \$0                    | \$272        | \$661        | \$331        | *            | \$236        | \$183        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$313        |
| <b>60-64</b>         | 0                      | 2            | 6            | 2            | 1            | 12           | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 23           |
|                      | \$0                    | \$691        | \$391        | \$1,062      | *            | \$301        | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$425        |
| <b>65-69</b>         | 0                      | 3            | 0            | 5            | 2            | 16           | 1            | 0          | 0          | 0          | 0          | 0          | 0          | 27           |
|                      | \$0                    | \$405        | \$0          | \$373        | \$545        | \$416        | *            | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$409        |
| <b>70-74</b>         | 0                      | 0            | 0            | 1            | 0            | 6            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 7            |
|                      | \$0                    | \$0          | \$0          | *            | \$0          | \$447        | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$413        |
| <b>75-79</b>         | 0                      | 0            | 0            | 0            | 0            | 4            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 4            |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$385        | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$385        |
| <b>80-84</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0            |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0          |
| <b>85-89</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0            |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0          |
| <b>90-94</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0            |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0          |
| <b>95 &amp; Over</b> | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0            |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0          |
| <b>Total</b>         | <b>3</b>               | <b>13</b>    | <b>11</b>    | <b>14</b>    | <b>6</b>     | <b>53</b>    | <b>3</b>     | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>103</b>   |
|                      | <b>\$248</b>           | <b>\$371</b> | <b>\$452</b> | <b>\$439</b> | <b>\$358</b> | <b>\$335</b> | <b>\$192</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$361</b> |

Average:

Age 60.7  
Years Retired 4.9

Males 20  
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 |                |                |                |                |                |                |                |                |                |                |                |                | Total          |
|----------------------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                      | 0                      | 1              | 2              | 3              | 4              | 5-9            | 10-14          | 15-19          | 20-24          | 25-29          | 30-34          | 35-39          | 40 & Over      |                |
| <b>Under 50</b>      | 0                      | 1              | 1              | 1              | 1              | 5              | 9              | 4              | 0              | 1              | 0              | 0              | 0              | 23             |
|                      | \$0                    | *              | *              | *              | *              | \$2,225        | \$1,291        | \$1,355        | \$0            | *              | \$0            | \$0            | \$0            | \$1,827        |
| <b>50-54</b>         | 0                      | 0              | 1              | 0              | 0              | 3              | 3              | 3              | 2              | 1              | 2              | 0              | 0              | 15             |
|                      | \$0                    | \$0            | *              | \$0            | \$0            | \$2,132        | \$1,167        | \$1,041        | \$672          | *              | \$505          | \$0            | \$0            | \$1,305        |
| <b>55-59</b>         | 1                      | 0              | 1              | 2              | 2              | 14             | 9              | 12             | 11             | 2              | 4              | 1              | 1              | 60             |
|                      | *                      | \$0            | *              | \$2,206        | \$3,051        | \$2,074        | \$1,396        | \$1,385        | \$979          | \$705          | \$920          | *              | *              | \$1,541        |
| <b>60-64</b>         | 1                      | 1              | 2              | 2              | 1              | 41             | 43             | 31             | 13             | 8              | 5              | 4              | 3              | 155            |
|                      | *                      | *              | \$1,445        | \$3,435        | *              | \$2,213        | \$1,368        | \$960          | \$962          | \$614          | \$745          | \$675          | \$1,253        | \$1,451        |
| <b>65-69</b>         | 0                      | 1              | 0              | 2              | 0              | 43             | 88             | 62             | 43             | 9              | 11             | 4              | 6              | 269            |
|                      | \$0                    | *              | \$0            | \$5,159        | \$0            | \$2,059        | \$1,699        | \$1,534        | \$1,093        | \$690          | \$598          | \$636          | \$881          | \$1,529        |
| <b>70-74</b>         | 0                      | 0              | 1              | 1              | 0              | 18             | 53             | 104            | 69             | 27             | 24             | 13             | 4              | 314            |
|                      | \$0                    | \$0            | *              | *              | \$0            | \$1,801        | \$1,523        | \$1,690        | \$1,383        | \$972          | \$806          | \$555          | \$840          | \$1,415        |
| <b>75-79</b>         | 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        |
| <b>80-84</b>         | 0                      | 0              | 0              | 0              | 1              | 1              | 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        |
| <b>85-89</b>         | 0                      | 0              | 0              | 0              | 1              | 0              | 0              | 12             | 61             | 137            | 223            | 82             | 4              | 520            |
|                      | \$0                    | \$0            | \$0            | \$0            | *              | \$0            | \$0            | \$1,712        | \$1,246        | \$1,138        | \$1,124        | \$1,000        | \$865          | \$1,136        |
| <b>90-94</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 5              | 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        |
| <b>95 &amp; Over</b> | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 1              | 1              | 8              | 17             | 52             | 21             | 100            |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | *              | *              | \$907          | \$821          | \$1,120        | \$1,246        | \$1,093        |
| <b>Total</b>         | <b>2</b>               | <b>3</b>       | <b>6</b>       | <b>8</b>       | <b>7</b>       | <b>133</b>     | <b>248</b>     | <b>388</b>     | <b>524</b>     | <b>422</b>     | <b>637</b>     | <b>299</b>     | <b>56</b>      | <b>2,733</b>   |
|                      | <b>\$2,948</b>         | <b>\$2,839</b> | <b>\$2,559</b> | <b>\$3,469</b> | <b>\$1,860</b> | <b>\$2,093</b> | <b>\$1,568</b> | <b>\$1,557</b> | <b>\$1,350</b> | <b>\$1,099</b> | <b>\$1,038</b> | <b>\$1,002</b> | <b>\$1,045</b> | <b>\$1,293</b> |

Average:

Age 78.9  
 Years Retired 24.6

Males 517  
 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 |                |                |                |              |              |              |              |              |            |            |            |            | Total        |
|----------------------|------------------------|----------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|--------------|
|                      | 0                      | 1              | 2              | 3              | 4            | 5-9          | 10-14        | 15-19        | 20-24        | 25-29      | 30-34      | 35-39      | 40 & Over  |              |
| <b>Under 50</b>      | 0                      | 2              | 0              | 0              | 0            | 1            | 3            | 0            | 0            | 0          | 0          | 0          | 0          | 6            |
|                      | \$0                    | \$1,032        | \$0            | \$0            | \$0          | *            | \$756        | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$784        |
| <b>50-54</b>         | 0                      | 1              | 1              | 0              | 1            | 0            | 1            | 1            | 0            | 0          | 0          | 0          | 0          | 5            |
|                      | \$0                    | *              | *              | \$0            | *            | \$0          | *            | *            | \$0          | \$0        | \$0        | \$0        | \$0        | \$693        |
| <b>55-59</b>         | 1                      | 0              | 1              | 0              | 2            | 3            | 2            | 2            | 0            | 0          | 0          | 0          | 0          | 11           |
|                      | *                      | \$0            | *              | \$0            | \$642        | \$670        | \$177        | \$514        | \$0          | \$0        | \$0        | \$0        | \$0        | \$730        |
| <b>60-64</b>         | 1                      | 1              | 2              | 0              | 4            | 9            | 1            | 1            | 0            | 0          | 0          | 0          | 0          | 19           |
|                      | *                      | *              | \$1,796        | \$0            | \$874        | \$628        | *            | *            | \$0          | \$0        | \$0        | \$0        | \$0        | \$969        |
| <b>65-69</b>         | 0                      | 2              | 1              | 3              | 1            | 9            | 6            | 5            | 1            | 0          | 0          | 0          | 0          | 28           |
|                      | \$0                    | \$1,567        | *              | \$1,178        | *            | \$1,005      | \$661        | \$573        | *            | \$0        | \$0        | \$0        | \$0        | \$964        |
| <b>70-74</b>         | 0                      | 2              | 0              | 1              | 0            | 8            | 9            | 5            | 1            | 0          | 0          | 0          | 0          | 26           |
|                      | \$0                    | \$1,391        | \$0            | *              | \$0          | \$1,247      | \$661        | \$584        | *            | \$0        | \$0        | \$0        | \$0        | \$905        |
| <b>75-79</b>         | 0                      | 0              | 0              | 0              | 0            | 4            | 8            | 4            | 1            | 0          | 0          | 0          | 0          | 17           |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0          | \$1,399      | \$976        | \$820        | *            | \$0        | \$0        | \$0        | \$0        | \$1,005      |
| <b>80-84</b>         | 0                      | 0              | 0              | 0              | 0            | 3            | 4            | 6            | 2            | 0          | 0          | 0          | 0          | 15           |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0          | \$651        | \$949        | \$516        | \$733        | \$0        | \$0        | \$0        | \$0        | \$687        |
| <b>85-89</b>         | 0                      | 0              | 0              | 0              | 0            | 0            | 1            | 2            | 1            | 0          | 0          | 0          | 0          | 4            |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0          | \$0          | *            | \$1,459      | *            | \$0        | \$0        | \$0        | \$0        | \$1,044      |
| <b>90-94</b>         | 0                      | 0              | 0              | 0              | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0            |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0          |
| <b>95 &amp; Over</b> | 0                      | 0              | 0              | 0              | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0            |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0          |
| <b>Total</b>         | <b>2</b>               | <b>8</b>       | <b>5</b>       | <b>4</b>       | <b>8</b>     | <b>37</b>    | <b>35</b>    | <b>26</b>    | <b>6</b>     | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>131</b>   |
|                      | <b>\$3,055</b>         | <b>\$1,292</b> | <b>\$1,450</b> | <b>\$1,281</b> | <b>\$838</b> | <b>\$935</b> | <b>\$742</b> | <b>\$662</b> | <b>\$567</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$891</b> |

Average:                      Age              68.6  
   Years Retired      9.8

Males                      60  
 Females                      71

\*Monthly benefit omitted for privacy reasons.



**Age and Years Retired Distribution of Survivors**  
(Number of Survivors and Average Monthly Benefit)

*(Continued)*

**TRS Plan 3**

| Attained Age         | Attained Years Retired |              |              |              |              |              |              |          |            |            |            |            |            | Total      |              |
|----------------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|------------|------------|------------|------------|------------|------------|--------------|
|                      | 0                      | 1            | 2            | 3            | 4            | 5-9          | 10-14        | 15-19    | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |            |              |
| <b>Under 50</b>      | 2                      | 8            | 1            | 1            | 0            | 4            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | <b>16</b>    |
|                      | \$331                  | \$478        | *            | *            | \$0          | \$361        | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$429</b> |
| <b>50-54</b>         | 1                      | 3            | 1            | 2            | 4            | 5            | 1            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | <b>17</b>    |
|                      | *                      | \$242        | *            | \$244        | \$266        | \$477        | *            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$412</b> |
| <b>55-59</b>         | 6                      | 7            | 4            | 6            | 3            | 11           | 1            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | <b>38</b>    |
|                      | \$847                  | \$539        | \$473        | \$289        | \$428        | \$290        | *            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$450</b> |
| <b>60-64</b>         | 2                      | 8            | 8            | 7            | 6            | 20           | 8            | 1        | 0          | 0          | 0          | 0          | 0          | 0          | <b>60</b>    |
|                      | \$911                  | \$591        | \$500        | \$403        | \$417        | \$417        | \$226        | *        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$437</b> |
| <b>65-69</b>         | 0                      | 3            | 4            | 10           | 6            | 22           | 12           | 0        | 0          | 0          | 0          | 0          | 0          | 0          | <b>57</b>    |
|                      | \$0                    | \$662        | \$671        | \$608        | \$709        | \$465        | \$248        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$495</b> |
| <b>70-74</b>         | 0                      | 1            | 3            | 4            | 1            | 9            | 2            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | <b>20</b>    |
|                      | \$0                    | *            | \$475        | \$951        | *            | \$476        | \$128        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$544</b> |
| <b>75-79</b>         | 0                      | 0            | 1            | 1            | 1            | 3            | 1            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | <b>7</b>     |
|                      | \$0                    | \$0          | *            | *            | *            | \$579        | *            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$540</b> |
| <b>80-84</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 1            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | <b>1</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | *            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>     |
| <b>85-89</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>90-94</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>95 &amp; Over</b> | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0        | 0          | 0          | 0          | 0          | 0          | 0          | <b>0</b>     |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>   |
| <b>Total</b>         | <b>11</b>              | <b>30</b>    | <b>22</b>    | <b>31</b>    | <b>21</b>    | <b>74</b>    | <b>26</b>    | <b>1</b> | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>216</b>   |
|                      | <b>\$776</b>           | <b>\$522</b> | <b>\$569</b> | <b>\$514</b> | <b>\$468</b> | <b>\$427</b> | <b>\$264</b> | <b>*</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$468</b> |

Average:

Age 61.5  
Years Retired 5.0

Males 114  
Females 102

*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)*

**SERS Plan 2**

| Attained Age         | Attained Years Retired |              |              |              |              |              |              |            |            |            |            |            |            | Total        |
|----------------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|--------------|
|                      | 0                      | 1            | 2            | 3            | 4            | 5-9          | 10-14        | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |              |
| <b>Under 50</b>      | 0                      | 0            | 0            | 1            | 0            | 3            | 1            | 0          | 0          | 0          | 0          | 0          | 0          | 5            |
|                      | \$0                    | \$0          | \$0          | *            | \$0          | \$363        | *            | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$502        |
| <b>50-54</b>         | 0                      | 3            | 3            | 0            | 2            | 2            | 1            | 0          | 0          | 0          | 0          | 0          | 0          | 11           |
|                      | \$0                    | \$75         | \$268        | \$0          | \$541        | \$203        | *            | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$244        |
| <b>55-59</b>         | 1                      | 3            | 2            | 2            | 1            | 5            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 14           |
|                      | *                      | \$672        | \$270        | \$204        | *            | \$275        | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$326        |
| <b>60-64</b>         | 2                      | 7            | 1            | 8            | 2            | 14           | 3            | 0          | 0          | 0          | 0          | 0          | 0          | 37           |
|                      | \$466                  | \$455        | *            | \$707        | \$649        | \$283        | \$271        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$433        |
| <b>65-69</b>         | 2                      | 3            | 2            | 8            | 2            | 22           | 7            | 0          | 0          | 0          | 0          | 0          | 0          | 46           |
|                      | \$421                  | \$605        | \$528        | \$727        | \$557        | \$576        | \$310        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$554        |
| <b>70-74</b>         | 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        |
| <b>75-79</b>         | 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        |
| <b>80-84</b>         | 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        |
| <b>85-89</b>         | 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        | *            |
| <b>90-94</b>         | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0            |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0          |
| <b>95 &amp; Over</b> | 0                      | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          | 0          | 0          | 0          | 0          | 0            |
|                      | \$0                    | \$0          | \$0          | \$0          | \$0          | \$0          | \$0          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0          |
| <b>Total</b>         | <b>5</b>               | <b>16</b>    | <b>11</b>    | <b>19</b>    | <b>15</b>    | <b>79</b>    | <b>43</b>    | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>188</b>   |
|                      | <b>\$386</b>           | <b>\$453</b> | <b>\$366</b> | <b>\$689</b> | <b>\$573</b> | <b>\$502</b> | <b>\$358</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$478</b> |

Average:

Age 66.5  
Years Retired 6.2

Males 82  
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 |       |       |       |       |       |       |       |       |       |       |       |           | Total |
|----------------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|-------|
|                      | 0                      | 1     | 2     | 3     | 4     | 5-9   | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40 & Over |       |
| <b>Under 50</b>      | 0                      | 0     | 0     | 0     | 0     | 2     | 1     | 0     | 0     | 0     | 0     | 0     | 0         | 3     |
|                      | \$0                    | \$0   | \$0   | \$0   | \$0   | \$134 | *     | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$129 |
| <b>50-54</b>         | 1                      | 1     | 0     | 0     | 0     | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0         | 4     |
|                      | *                      | *     | \$0   | \$0   | \$0   | \$374 | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$320 |
| <b>55-59</b>         | 0                      | 3     | 2     | 4     | 2     | 3     | 1     | 0     | 0     | 0     | 0     | 0     | 0         | 15    |
|                      | \$0                    | \$197 | \$221 | \$114 | \$284 | \$184 | *     | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$186 |
| <b>60-64</b>         | 0                      | 2     | 4     | 8     | 1     | 8     | 1     | 0     | 0     | 0     | 0     | 0     | 0         | 24    |
|                      | \$0                    | \$341 | \$356 | \$321 | *     | \$237 | *     | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$283 |
| <b>65-69</b>         | 0                      | 4     | 3     | 2     | 2     | 16    | 4     | 0     | 0     | 0     | 0     | 0     | 0         | 31    |
|                      | \$0                    | \$315 | \$316 | \$355 | \$147 | \$214 | \$184 | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$238 |
| <b>70-74</b>         | 1                      | 0     | 0     | 0     | 1     | 16    | 5     | 0     | 0     | 0     | 0     | 0     | 0         | 23    |
|                      | *                      | \$0   | \$0   | \$0   | *     | \$253 | \$251 | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$253 |
| <b>75-79</b>         | 0                      | 0     | 0     | 2     | 1     | 3     | 1     | 0     | 0     | 0     | 0     | 0     | 0         | 7     |
|                      | \$0                    | \$0   | \$0   | \$326 | *     | \$150 | *     | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$212 |
| <b>80-84</b>         | 0                      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0         | 0     |
|                      | \$0                    | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$0   |
| <b>85-89</b>         | 0                      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0         | 0     |
|                      | \$0                    | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$0   |
| <b>90-94</b>         | 0                      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0         | 0     |
|                      | \$0                    | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$0   |
| <b>95 &amp; Over</b> | 0                      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0         | 0     |
|                      | \$0                    | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$0   |
| <b>Total</b>         | 2                      | 10    | 9     | 16    | 7     | 50    | 13    | 0     | 0     | 0     | 0     | 0     | 0         | 107   |
|                      | \$352                  | \$272 | \$313 | \$274 | \$194 | \$228 | \$197 | \$0   | \$0   | \$0   | \$0   | \$0   | \$0       | \$242 |

Average:

Age 64.8  
Years Retired 5.2

Males 54  
Females 53

*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)*

**PSERS Plan 2**

| Attained Age         | Attained Years Retired |            |          |          |            |            |            |            |            |            |            |            |            | Total       |
|----------------------|------------------------|------------|----------|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
|                      | 0                      | 1          | 2        | 3        | 4          | 5-9        | 10-14      | 15-19      | 20-24      | 25-29      | 30-34      | 35-39      | 40 & Over  |             |
| <b>Under 50</b>      | 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        | *           |
| <b>50-54</b>         | 0                      | 0          | 0        | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0         |
| <b>55-59</b>         | 0                      | 0          | 0        | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0         |
| <b>60-64</b>         | 0                      | 0          | 1        | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 1           |
|                      | \$0                    | \$0        | *        | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | *           |
| <b>65-69</b>         | 0                      | 0          | 0        | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0         |
| <b>70-74</b>         | 0                      | 0          | 0        | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0         |
| <b>75-79</b>         | 0                      | 0          | 0        | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0         |
| <b>80-84</b>         | 0                      | 0          | 0        | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0         |
| <b>85-89</b>         | 0                      | 0          | 0        | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0         |
| <b>90-94</b>         | 0                      | 0          | 0        | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0         |
| <b>95 &amp; Over</b> | 0                      | 0          | 0        | 0        | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           |
|                      | \$0                    | \$0        | \$0      | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0         |
| <b>Total</b>         | <b>0</b>               | <b>0</b>   | <b>1</b> | <b>1</b> | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>2</b>    |
|                      | <b>\$0</b>             | <b>\$0</b> | <b>*</b> | <b>*</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$72</b> |

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 |            |            |            |                |                |                |                |                |                |                |                |                | Total          |
|----------------------|------------------------|------------|------------|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                      | 0                      | 1          | 2          | 3          | 4              | 5-9            | 10-14          | 15-19          | 20-24          | 25-29          | 30-34          | 35-39          | 40 & Over      |                |
| <b>Under 50</b>      | 0                      | 0          | 0          | 0          | 0              | 0              | 1              | 1              | 2              | 1              | 0              | 2              | 0              | 7              |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0            | \$0            | *              | *              | \$2,628        | *              | \$0            | \$476          | \$0            | \$2,017        |
| <b>50-54</b>         | 0                      | 0          | 0          | 0          | 0              | 2              | 1              | 3              | 2              | 1              | 0              | 0              | 0              | 9              |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0            | \$4,534        | *              | \$2,861        | \$3,278        | *              | \$0            | \$0            | \$0            | \$3,333        |
| <b>55-59</b>         | 1                      | 0          | 0          | 0          | 1              | 2              | 12             | 11             | 4              | 4              | 4              | 1              | 0              | 40             |
|                      | *                      | \$0        | \$0        | \$0        | *              | \$4,250        | \$3,376        | \$3,615        | \$3,062        | \$2,482        | \$2,609        | *              | \$0            | \$3,263        |
| <b>60-64</b>         | 1                      | 0          | 0          | 0          | 1              | 3              | 7              | 18             | 15             | 15             | 14             | 4              | 1              | 79             |
|                      | *                      | \$0        | \$0        | \$0        | *              | \$7,213        | \$4,579        | \$3,483        | \$3,278        | \$2,923        | \$2,857        | \$2,712        | *              | \$3,425        |
| <b>65-69</b>         | 0                      | 0          | 0          | 0          | 0              | 5              | 10             | 21             | 24             | 33             | 23             | 12             | 2              | 130            |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0            | \$4,538        | \$3,735        | \$3,483        | \$3,629        | \$3,107        | \$2,814        | \$3,379        | \$2,833        | \$3,336        |
| <b>70-74</b>         | 0                      | 0          | 0          | 0          | 1              | 0              | 4              | 18             | 31             | 25             | 28             | 13             | 7              | 127            |
|                      | \$0                    | \$0        | \$0        | \$0        | *              | \$0            | \$6,081        | \$3,870        | \$3,595        | \$3,230        | \$3,079        | \$3,062        | \$2,714        | \$3,446        |
| <b>75-79</b>         | 0                      | 0          | 0          | 0          | 0              | 0              | 1              | 3              | 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        |
| <b>80-84</b>         | 0                      | 0          | 0          | 0          | 0              | 0              | 0              | 0              | 6              | 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        |
| <b>85-89</b>         | 0                      | 0          | 0          | 0          | 0              | 0              | 0              | 0              | 1              | 8              | 32             | 35             | 15             | 91             |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0            | \$0            | \$0            | \$0            | *              | \$3,797        | \$3,480        | \$3,041        | \$2,698        | \$3,225        |
| <b>90-94</b>         | 0                      | 0          | 0          | 0          | 0              | 0              | 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        |
| <b>95 &amp; Over</b> | 0                      | 0          | 0          | 0          | 0              | 0              | 0              | 0              | 1              | 1              | 0              | 3              | 7              | 12             |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0            | \$0            | \$0            | \$0            | *              | *              | \$0            | \$1,922        | \$2,237        | \$2,283        |
| <b>Total</b>         | <b>2</b>               | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>3</b>       | <b>12</b>      | <b>36</b>      | <b>75</b>      | <b>108</b>     | <b>155</b>     | <b>216</b>     | <b>176</b>     | <b>71</b>      | <b>854</b>     |
|                      | <b>\$4,003</b>         | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$4,763</b> | <b>\$5,158</b> | <b>\$4,018</b> | <b>\$3,582</b> | <b>\$3,541</b> | <b>\$3,173</b> | <b>\$3,100</b> | <b>\$3,001</b> | <b>\$2,700</b> | <b>\$3,233</b> |

Average:

Age 74.9  
 Years Retired 29.0

Males 10  
 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 |            |            |            |            |                |                |                |                |                |                |                |                | Total          |
|----------------------|------------------------|------------|------------|------------|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                      | 0                      | 1          | 2          | 3          | 4          | 5-9            | 10-14          | 15-19          | 20-24          | 25-29          | 30-34          | 35-39          | 40 & Over      |                |
| <b>Under 50</b>      | 0                      | 0          | 0          | 0          | 0          | 0              | 0              | 0              | 2              | 0              | 0              | 0              | 0              | 2              |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | \$0            | \$0            | \$0            | \$1,748        | \$0            | \$0            | \$0            | \$0            | \$1,748        |
| <b>50-54</b>         | 0                      | 0          | 0          | 0          | 0          | 0              | 2              | 0              | 1              | 0              | 1              | 1              | 0              | 5              |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | \$0            | \$3,352        | \$0            | *              | \$0            | *              | *              | \$0            | \$2,675        |
| <b>55-59</b>         | 0                      | 0          | 0          | 0          | 0          | 3              | 4              | 5              | 2              | 4              | 1              | 2              | 0              | 21             |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | \$4,498        | \$3,565        | \$3,457        | \$3,819        | \$3,024        | *              | \$1,098        | \$0            | \$3,311        |
| <b>60-64</b>         | 0                      | 0          | 0          | 0          | 0          | 3              | 15             | 12             | 8              | 3              | 5              | 1              | 1              | 48             |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | \$4,119        | \$3,858        | \$3,731        | \$3,238        | \$3,303        | \$2,923        | *              | *              | \$3,574        |
| <b>65-69</b>         | 0                      | 0          | 0          | 0          | 0          | 1              | 8              | 20             | 19             | 16             | 13             | 6              | 0              | 83             |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | *              | \$4,504        | \$3,792        | \$3,307        | \$3,583        | \$2,906        | \$3,301        | \$0            | \$3,532        |
| <b>70-74</b>         | 0                      | 0          | 0          | 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        |
| <b>75-79</b>         | 0                      | 0          | 0          | 0          | 0          | 0              | 0              | 4              | 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        |
| <b>80-84</b>         | 0                      | 0          | 0          | 0          | 0          | 0              | 0              | 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        |
| <b>85-89</b>         | 0                      | 0          | 0          | 0          | 0          | 0              | 0              | 0              | 0              | 5              | 29             | 56             | 26             | 116            |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | \$0            | \$0            | \$0            | \$0            | \$4,774        | \$3,929        | \$3,713        | \$3,156        | \$3,688        |
| <b>90-94</b>         | 0                      | 0          | 0          | 0          | 0          | 0              | 0              | 0              | 0              | 2              | 8              | 19             | 18             | 47             |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | \$0            | \$0            | \$0            | \$0            | \$4,312        | \$3,619        | \$3,593        | \$3,336        | \$3,529        |
| <b>95 &amp; Over</b> | 0                      | 0          | 0          | 0          | 0          | 0              | 0              | 0              | 0              | 0              | 0              | 7              | 7              | 14             |
|                      | \$0                    | \$0        | \$0        | \$0        | \$0        | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$3,299        | \$3,588        | \$3,443        |
| <b>Total</b>         | <b>0</b>               | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>8</b>       | <b>29</b>      | <b>56</b>      | <b>67</b>      | <b>94</b>      | <b>154</b>     | <b>159</b>     | <b>79</b>      | <b>646</b>     |
|                      | <b>\$0</b>             | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$4,160</b> | <b>\$3,961</b> | <b>\$3,745</b> | <b>\$3,739</b> | <b>\$3,529</b> | <b>\$3,401</b> | <b>\$3,479</b> | <b>\$3,126</b> | <b>\$3,504</b> |

Average:

Age 77.2  
 Years Retired 30.2

Males 5  
 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 |                |              |                |                |                |                |                |          |            |            |            |            | Total      |                |
|----------------------|------------------------|----------------|--------------|----------------|----------------|----------------|----------------|----------------|----------|------------|------------|------------|------------|------------|----------------|
|                      | 0                      | 1              | 2            | 3              | 4              | 5-9            | 10-14          | 15-19          | 20-24    | 25-29      | 30-34      | 35-39      | 40 & Over  |            |                |
| <b>Under 50</b>      | 1                      | 2              | 16           | 5              | 1              | 6              | 0              | 0              | 0        | 0          | 0          | 0          | 0          | 0          | <b>31</b>      |
|                      | *                      | \$1,159        | \$883        | \$1,483        | *              | \$1,737        | \$0            | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$1,181</b> |
| <b>50-54</b>         | 1                      | 4              | 8            | 2              | 2              | 6              | 1              | 0              | 0        | 0          | 0          | 0          | 0          | 0          | <b>24</b>      |
|                      | *                      | \$3,843        | \$718        | \$1,289        | \$2,773        | \$1,709        | *              | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$1,798</b> |
| <b>55-59</b>         | 1                      | 0              | 6            | 3              | 2              | 7              | 2              | 0              | 0        | 0          | 0          | 0          | 0          | 0          | <b>21</b>      |
|                      | *                      | \$0            | \$415        | \$2,371        | \$1,742        | \$1,823        | \$1,324        | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$1,565</b> |
| <b>60-64</b>         | 0                      | 0              | 3            | 1              | 0              | 7              | 2              | 0              | 0        | 0          | 0          | 0          | 0          | 0          | <b>13</b>      |
|                      | \$0                    | \$0            | \$1,384      | *              | \$0            | \$2,479        | \$1,415        | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$2,031</b> |
| <b>65-69</b>         | 0                      | 0              | 1            | 1              | 0              | 3              | 2              | 0              | 0        | 0          | 0          | 0          | 0          | 0          | <b>7</b>       |
|                      | \$0                    | \$0            | *            | *              | \$0            | \$1,436        | \$1,394        | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$1,526</b> |
| <b>70-74</b>         | 0                      | 0              | 0            | 0              | 0              | 0              | 1              | 2              | 1        | 0          | 0          | 0          | 0          | 0          | <b>4</b>       |
|                      | \$0                    | \$0            | \$0          | \$0            | \$0            | \$0            | *              | \$1,102        | *        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$887</b>   |
| <b>75-79</b>         | 0                      | 0              | 1            | 0              | 0              | 0              | 1              | 0              | 0        | 0          | 0          | 0          | 0          | 0          | <b>2</b>       |
|                      | \$0                    | \$0            | *            | \$0            | \$0            | \$0            | *              | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$975</b>   |
| <b>80-84</b>         | 0                      | 0              | 0            | 0              | 0              | 0              | 1              | 0              | 0        | 0          | 0          | 0          | 0          | 0          | <b>1</b>       |
|                      | \$0                    | \$0            | \$0          | \$0            | \$0            | \$0            | *              | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>       |
| <b>85-89</b>         | 0                      | 0              | 0            | 0              | 0              | 0              | 0              | 0              | 0        | 0          | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0          | \$0            | \$0            | \$0            | \$0            | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>90-94</b>         | 0                      | 0              | 0            | 0              | 0              | 0              | 0              | 0              | 0        | 0          | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0          | \$0            | \$0            | \$0            | \$0            | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>95 &amp; Over</b> | 0                      | 0              | 0            | 0              | 0              | 0              | 0              | 0              | 0        | 0          | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0          | \$0            | \$0            | \$0            | \$0            | \$0            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>Total</b>         | <b>3</b>               | <b>6</b>       | <b>35</b>    | <b>12</b>      | <b>5</b>       | <b>29</b>      | <b>10</b>      | <b>2</b>       | <b>1</b> | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>103</b>     |
|                      | <b>\$2,677</b>         | <b>\$2,948</b> | <b>\$859</b> | <b>\$1,614</b> | <b>\$2,081</b> | <b>\$1,900</b> | <b>\$1,387</b> | <b>\$1,102</b> | <b>*</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,525</b> |

Average:                      Age            53.3  
    Years Retired      4.9

Males                      3  
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 |                |                |                |                |                |                |              |          |            |            |            |            | Total      |                |
|----------------------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|----------|------------|------------|------------|------------|------------|----------------|
|                      | 0                      | 1              | 2              | 3              | 4              | 5-9            | 10-14          | 15-19        | 20-24    | 25-29      | 30-34      | 35-39      | 40 & Over  |            |                |
| <b>Under 50</b>      | 0                      | 4              | 3              | 1              | 1              | 3              | 0              | 0            | 0        | 0          | 0          | 0          | 0          | 0          | <b>12</b>      |
|                      | \$0                    | \$1,757        | \$722          | *              | *              | \$1,816        | \$0            | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$1,569</b> |
| <b>50-54</b>         | 0                      | 0              | 2              | 1              | 2              | 3              | 0              | 0            | 0        | 0          | 0          | 0          | 0          | 0          | <b>8</b>       |
|                      | \$0                    | \$0            | \$4,717        | *              | \$6,895        | \$2,039        | \$0            | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$3,894</b> |
| <b>55-59</b>         | 0                      | 0              | 1              | 2              | 1              | 3              | 1              | 0            | 0        | 0          | 0          | 0          | 0          | 0          | <b>8</b>       |
|                      | \$0                    | \$0            | *              | \$1,314        | *              | \$2,245        | *              | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$1,637</b> |
| <b>60-64</b>         | 0                      | 1              | 2              | 2              | 0              | 4              | 2              | 1            | 0        | 0          | 0          | 0          | 0          | 0          | <b>12</b>      |
|                      | \$0                    | *              | \$2,364        | \$2,754        | \$0            | \$2,797        | \$2,831        | *            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$2,686</b> |
| <b>65-69</b>         | 0                      | 0              | 0              | 1              | 0              | 1              | 0              | 1            | 0        | 0          | 0          | 0          | 0          | 0          | <b>3</b>       |
|                      | \$0                    | \$0            | \$0            | *              | \$0            | *              | \$0            | *            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$3,033</b> |
| <b>70-74</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 1            | 0        | 0          | 0          | 0          | 0          | 0          | <b>1</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | *            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>       |
| <b>75-79</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 1            | 0        | 0          | 0          | 0          | 0          | 0          | <b>1</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | *            | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>       |
| <b>80-84</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0            | 0        | 0          | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>85-89</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0            | 1        | 0          | 0          | 0          | 0          | 0          | <b>1</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | *        | \$0        | \$0        | \$0        | \$0        | \$0        | <b>*</b>       |
| <b>90-94</b>         | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0            | 0        | 0          | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>95 &amp; Over</b> | 0                      | 0              | 0              | 0              | 0              | 0              | 0              | 0            | 0        | 0          | 0          | 0          | 0          | 0          | <b>0</b>       |
|                      | \$0                    | \$0            | \$0            | \$0            | \$0            | \$0            | \$0            | \$0          | \$0      | \$0        | \$0        | \$0        | \$0        | \$0        | <b>\$0</b>     |
| <b>Total</b>         | <b>0</b>               | <b>5</b>       | <b>8</b>       | <b>7</b>       | <b>4</b>       | <b>14</b>      | <b>3</b>       | <b>4</b>     | <b>1</b> | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>46</b>      |
|                      | <b>\$0</b>             | <b>\$2,314</b> | <b>\$2,107</b> | <b>\$2,749</b> | <b>\$4,054</b> | <b>\$2,314</b> | <b>\$2,380</b> | <b>\$492</b> | <b>*</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,321</b> |

Average:

Age 55.1  
 Years Retired 6.0

Males 1  
 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 |         |     |         |     |         |         |         |         |         |         |         |           | Total   |
|----------------------|------------------------|---------|-----|---------|-----|---------|---------|---------|---------|---------|---------|---------|-----------|---------|
|                      | 0                      | 1       | 2   | 3       | 4   | 5-9     | 10-14   | 15-19   | 20-24   | 25-29   | 30-34   | 35-39   | 40 & Over |         |
| <b>Under 50</b>      | 0                      | 1       | 0   | 1       | 1   | 3       | 1       | 2       | 0       | 0       | 0       | 0       | 0         | 9       |
|                      | \$0                    | *       | \$0 | *       | *   | \$3,706 | *       | \$2,270 | \$0     | \$0     | \$0     | \$0     | \$0       | \$3,115 |
| <b>50-54</b>         | 0                      | 0       | 0   | 1       | 0   | 0       | 0       | 0       | 0       | 1       | 0       | 0       | 0         | 2       |
|                      | \$0                    | \$0     | \$0 | *       | \$0 | \$0     | \$0     | \$0     | \$0     | *       | \$0     | \$0     | \$0       | \$2,235 |
| <b>55-59</b>         | 0                      | 0       | 0   | 0       | 0   | 3       | 0       | 2       | 1       | 1       | 0       | 0       | 0         | 7       |
|                      | \$0                    | \$0     | \$0 | \$0     | \$0 | \$3,690 | \$0     | \$2,472 | *       | *       | \$0     | \$0     | \$0       | \$2,859 |
| <b>60-64</b>         | 0                      | 0       | 0   | 0       | 0   | 2       | 2       | 4       | 3       | 0       | 1       | 0       | 0         | 12      |
|                      | \$0                    | \$0     | \$0 | \$0     | \$0 | \$4,568 | \$4,044 | \$3,249 | \$2,400 | \$0     | *       | \$0     | \$0       | \$3,209 |
| <b>65-69</b>         | 1                      | 0       | 1   | 0       | 0   | 4       | 0       | 10      | 8       | 1       | 2       | 2       | 0         | 29      |
|                      | *                      | \$0     | *   | \$0     | \$0 | \$3,510 | \$0     | \$2,885 | \$2,090 | *       | \$1,252 | \$775   | \$0       | \$2,556 |
| <b>70-74</b>         | 0                      | 0       | 0   | 0       | 0   | 0       | 2       | 3       | 4       | 2       | 5       | 0       | 1         | 17      |
|                      | \$0                    | \$0     | \$0 | \$0     | \$0 | \$0     | \$3,001 | \$2,076 | \$2,596 | \$1,909 | \$1,713 | \$0     | *         | \$2,098 |
| <b>75-79</b>         | 0                      | 0       | 0   | 0       | 0   | 2       | 1       | 0       | 4       | 6       | 8       | 0       | 0         | 21      |
|                      | \$0                    | \$0     | \$0 | \$0     | \$0 | \$2,839 | *       | \$0     | \$2,072 | \$2,303 | \$1,701 | \$0     | \$0       | \$2,104 |
| <b>80-84</b>         | 0                      | 1       | 0   | 0       | 0   | 0       | 1       | 0       | 3       | 3       | 4       | 3       | 0         | 15      |
|                      | \$0                    | *       | \$0 | \$0     | \$0 | \$0     | *       | \$0     | \$2,783 | \$2,015 | \$1,510 | \$1,054 | \$0       | \$1,943 |
| <b>85-89</b>         | 0                      | 0       | 0   | 0       | 0   | 0       | 1       | 0       | 0       | 1       | 4       | 2       | 3         | 11      |
|                      | \$0                    | \$0     | \$0 | \$0     | \$0 | \$0     | *       | \$0     | \$0     | *       | \$2,048 | \$1,137 | \$889     | \$1,679 |
| <b>90-94</b>         | 0                      | 0       | 0   | 0       | 0   | 1       | 0       | 0       | 0       | 1       | 0       | 5       | 5         | 12      |
|                      | \$0                    | \$0     | \$0 | \$0     | \$0 | *       | \$0     | \$0     | \$0     | *       | \$0     | \$1,067 | \$778     | \$1,140 |
| <b>95 &amp; Over</b> | 0                      | 0       | 0   | 0       | 0   | 0       | 0       | 0       | 0       | 0       | 0       | 1       | 2         | 3       |
|                      | \$0                    | \$0     | \$0 | \$0     | \$0 | \$0     | \$0     | \$0     | \$0     | \$0     | \$0     | *       | \$917     | \$998   |
| <b>Total</b>         | 1                      | 2       | 1   | 2       | 1   | 15      | 8       | 21      | 23      | 16      | 24      | 13      | 11        | 138     |
|                      | *                      | \$2,955 | *   | \$2,282 | *   | \$3,584 | \$3,368 | \$2,741 | \$2,308 | \$2,221 | \$1,667 | \$1,037 | \$823     | \$2,241 |

Average:

Age 72.5  
 Years Retired 23.5

Males 1  
 Females 137

\*Monthly benefit omitted for privacy reasons.

# Historical Data

| Historical Data                      |          |                       |          |                       |          |                       |          |                       |          |                       |                   |                       |  |
|--------------------------------------|----------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-----------------------|-------------------|-----------------------|--|
| (Dollars in millions)                | 2012     |                       | 2011     |                       | 2010     |                       | 2009     |                       | 2008     |                       | 2007 <sup>1</sup> |                       |  |
| PERS                                 | Plan 1   | Plan 2/3 <sup>2</sup> | Plan 1   | Plan 2/3 <sup>2</sup> | Plan 1   | Plan 2/3 <sup>2</sup> | Plan 1   | Plan 2/3 <sup>2</sup> | Plan 1   | Plan 2/3 <sup>2</sup> | Plan 1            | Plan 2/3 <sup>2</sup> |  |
| <b>Contribution Information</b>      |          |                       |          |                       |          |                       |          |                       |          |                       |                   |                       |  |
| 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%                 |  |
| <b>Funded Status</b>                 |          |                       |          |                       |          |                       |          |                       |          |                       |                   |                       |  |
| 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%                |  |
| <b>Participant Data</b>              |          |                       |          |                       |          |                       |          |                       |          |                       |                   |                       |  |
| 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                 |  |
| <b>Assumptions</b>                   |          |                       |          |                       |          |                       |          |                       |          |                       |                   |                       |  |
| 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                      | 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 <sup>3</sup>               | 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%                 |  |
| <b>Actuarial Experience</b>          |          |                       |          |                       |          |                       |          |                       |          |                       |                   |                       |  |
| 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 <sup>4</sup>                    | \$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%                 |  |

Note: See footnotes at the end of this section.

| Historical Data<br>(Continued)       |         |                       |         |                       |         |                       |          |                       |          |                       |                   |                       |
|--------------------------------------|---------|-----------------------|---------|-----------------------|---------|-----------------------|----------|-----------------------|----------|-----------------------|-------------------|-----------------------|
| (Dollars in millions)                | 2012    |                       | 2011    |                       | 2010    |                       | 2009     |                       | 2008     |                       | 2007 <sup>1</sup> |                       |
| TRS                                  | Plan 1  | Plan 2/3 <sup>2</sup> | Plan 1  | Plan 2/3 <sup>2</sup> | Plan 1  | Plan 2/3 <sup>2</sup> | Plan 1   | Plan 2/3 <sup>2</sup> | Plan 1   | Plan 2/3 <sup>2</sup> | Plan 1            | Plan 2/3 <sup>2</sup> |
| <b>Contribution Information</b>      |         |                       |         |                       |         |                       |          |                       |          |                       |                   |                       |
| 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%                 |
| <b>Funded Status</b>                 |         |                       |         |                       |         |                       |          |                       |          |                       |                   |                       |
| 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%                |
| <b>Participant Data</b>              |         |                       |         |                       |         |                       |          |                       |          |                       |                   |                       |
| 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                  |
| <b>Assumptions</b>                   |         |                       |         |                       |         |                       |          |                       |          |                       |                   |                       |
| 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 <sup>3</sup>               | 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%                 |
| <b>Actuarial Experience</b>          |         |                       |         |                       |         |                       |          |                       |          |                       |                   |                       |
| 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%)               |
| COLA <sup>4</sup>                    | \$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%                 |

Note: See footnotes at the end of this section.

| Historical Data<br>(Continued)       |        |                       |        |                       |        |                       |        |                       |        |                       |                   |                       |  |
|--------------------------------------|--------|-----------------------|--------|-----------------------|--------|-----------------------|--------|-----------------------|--------|-----------------------|-------------------|-----------------------|--|
| (Dollars in millions)                | 2012   |                       | 2011   |                       | 2010   |                       | 2009   |                       | 2008   |                       | 2007 <sup>1</sup> |                       |  |
| SERS                                 | Plan 1 | Plan 2/3 <sup>2</sup> | Plan 1 | Plan 2/3 <sup>2</sup> | Plan 1 | Plan 2/3 <sup>2</sup> | Plan 1 | Plan 2/3 <sup>2</sup> | Plan 1 | Plan 2/3 <sup>2</sup> | Plan 1            | Plan 2/3 <sup>2</sup> |  |
| <b>Contribution Information</b>      |        |                       |        |                       |        |                       |        |                       |        |                       |                   |                       |  |
| 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%                 |  |
| <b>Funded Status</b>                 |        |                       |        |                       |        |                       |        |                       |        |                       |                   |                       |  |
| 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%                |  |
| <b>Participant Data</b>              |        |                       |        |                       |        |                       |        |                       |        |                       |                   |                       |  |
| 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                  |  |
| <b>Assumptions</b>                   |        |                       |        |                       |        |                       |        |                       |        |                       |                   |                       |  |
| 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 <sup>3</sup>               | 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%                 |  |
| <b>Actuarial Experience</b>          |        |                       |        |                       |        |                       |        |                       |        |                       |                   |                       |  |
| 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 <sup>4</sup>                    | 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%                 |  |

Note: See footnotes at the end of this section.

| Historical Data<br>(Continued)       |        |        |        |          |        |          |        |          |        |         |                   |        |
|--------------------------------------|--------|--------|--------|----------|--------|----------|--------|----------|--------|---------|-------------------|--------|
| (Dollars in millions)                | 2012   |        | 2011   |          | 2010   |          | 2009   |          | 2008   |         | 2007 <sup>1</sup> |        |
| 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 |
| <b>Contribution Information</b>      |        |        |        |          |        |          |        |          |        |         |                   |        |
| 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%  |
| <b>Funded Status</b>                 |        |        |        |          |        |          |        |          |        |         |                   |        |
| 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% |
| <b>Participant Data</b>              |        |        |        |          |        |          |        |          |        |         |                   |        |
| 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    |
| <b>Assumptions</b>                   |        |        |        |          |        |          |        |          |        |         |                   |        |
| 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 <sup>3</sup>               | 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%  |
| <b>Actuarial Experience</b>          |        |        |        |          |        |          |        |          |        |         |                   |        |
| 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% |
| COLA <sup>4</sup>                    | 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%  |

Note: See footnotes at the end of this section.

| Historical Data<br>(Continued)       |           |           |           |           |                   |          |           |           |           |           |                   |         |
|--------------------------------------|-----------|-----------|-----------|-----------|-------------------|----------|-----------|-----------|-----------|-----------|-------------------|---------|
| (Dollars in millions)                | 2012      |           | 2011      |           | 2010 <sup>5</sup> |          | 2009      |           | 2008      |           | 2007 <sup>1</sup> |         |
| 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  |
| <b>Contribution Information</b>      |           |           |           |           |                   |          |           |           |           |           |                   |         |
| 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%   |
| <b>Funded Status</b>                 |           |           |           |           |                   |          |           |           |           |           |                   |         |
| 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%  |
| <b>Participant Data</b>              |           |           |           |           |                   |          |           |           |           |           |                   |         |
| 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    |
| <b>Assumptions</b>                   |           |           |           |           |                   |          |           |           |           |           |                   |         |
| 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 <sup>3</sup>               | 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%   |
| <b>Actuarial Experience</b>          |           |           |           |           |                   |          |           |           |           |           |                   |         |
| 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 <sup>4</sup>                    | 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%   |

Note: See footnotes at the end of this section.

| Historical Data<br>(Continued)          |         |        |          |        |          |        |          |        |         |        |                   |        |
|---|---------|--------|----------|--------|----------|--------|----------|--------|---------|--------|-------------------|--------|
| (Dollars in millions)                   | 2012    |        | 2011     |        | 2010     |        | 2009     |        | 2008    |        | 2007 <sup>1</sup> |        |
| 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 |
| <b>Contribution Information</b>         |         |        |          |        |          |        |          |        |         |        |                   |        |
| 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%  |
| <b>Funded Status</b>                    |         |        |          |        |          |        |          |        |         |        |                   |        |
| 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    |
| <b>Participant Data</b>                 |         |        |          |        |          |        |          |        |         |        |                   |        |
| 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 <sup>6</sup> | 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    |
| <b>Assumptions</b>                      |         |        |          |        |          |        |          |        |         |        |                   |        |
| 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 <sup>3</sup>                  | 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    |
| <b>Actuarial Experience</b>             |         |        |          |        |          |        |          |        |         |        |                   |        |
| 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 <sup>4</sup>                       | 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    |

Note: See footnotes at the end of this section.

**Footnotes for Historical Data Section**

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

<sup>2</sup>Plan 3 members do not contribute to the defined benefit plan.

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

<sup>4</sup>Eligible 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.

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

<sup>6</sup>WSPRS 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.

## Unfunded Actuarial Accrued Liability (UAAL)

The excess, if any, of the actuarial accrued liability over the actuarial value of assets. In other words, the present value of benefits earned to date not covered by current plan assets.







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