

Washington State

Actuarial Valuation of LEOFF 1 Medical Benefits

June 2011



Office of the State Actuary

"Securing tomorrow's pensions today."



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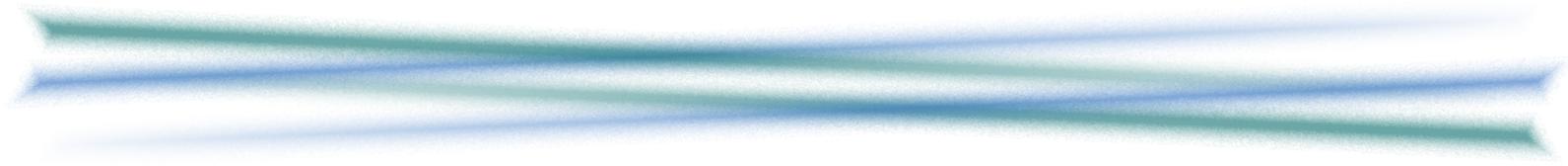


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Letter of Introduction Actuarial Valuation of LEOFF 1 Medical Benefits

June 2011

As directed by the Legislature, the Office of the State Actuary completed an actuarial valuation of the post-retirement medical and long-term care benefits provided by local government employers to members of the Law Enforcement Officers’ and Fire Fighters’ Retirement System Plan 1 (LEOFF 1). We prepared this report in accordance with the reporting requirements of Statement No. 45 of the Governmental Accounting Standards Board (GASB). Please see the background section for more information.

This report shows the value of the statewide liability, as of June 30, 2009, for the retiree medical benefits provided by LEOFF 1 employers. The responsibility to fund this liability belongs to the employers of LEOFF 1 members, not the state of Washington. The report shows the total liabilities and the sum of the individual Annual Required Contributions (ARC) for all LEOFF 1 members eligible for medical benefits. The total ARC for all plan members is the annual amount that, if collected, would fully pre-fund the total plan liability under the assumed statewide funding policy. Individual employers are not required to pre-fund their portion of the total statewide liability.

The report is organized into the following sections:

- ❖ Background.
- ❖ Actuarial Exhibits.
- ❖ Sensitivity Analysis.
- ❖ Participant Data.
- ❖ Appendices.

The Background section discusses the nature of Other Post-Employment Benefits (OPEB) liabilities, who is affected by the GASB requirements, and how actuaries calculate the liabilities. The Actuarial Exhibits section provides the results of this valuation and the necessary exhibits to satisfy the requirements of GASB Statement No. 45. The Sensitivity Analysis section provides further information about how the results change when we use different assumptions in our calculations. The Participant Data section provides detailed information about the retired members currently receiving medical benefits and the active members who will potentially receive medical benefits in the future. The Appendices provide a summary of the principal actuarial assumptions and methods, a summary of the major plan provisions, and a glossary of actuarial terms used throughout this report.

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Employers should not use this report to satisfy their individual employer reporting requirements under GASB Statement No. 45. The Office of the State Actuary created an online tool to help small employers calculate their individual reporting requirements. This online tool is meant to perform the alternative measurement method mentioned in GASB Statement No. 45 and can be used by employers with fewer than 100 total plan members. The online tool is available on our website (listed below).

We encourage you to submit any questions you might have concerning this report to our regular e-mail address: state.actuary@leg.wa.gov. We invite you to visit our web site (<http://osa.leg.wa.gov>) for more information regarding the actuarial funding of the Washington State retirement systems.

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Key Results

This section documents the key Governmental Accounting Standards Board Statement No. 45 (GASB 45) valuation and accounting results related to the Law Enforcement Officers' and Fire Fighters' Retirement System Plan 1 (LEOFF 1) employer-provided medical benefits in Washington State. GASB 45 requires the following key measurements to be disclosed:

- ◆ **Actuarial Accrued Liability (AAL)** – The amount of medical benefits expected to be paid to current retirees and current active members (future retirees) that have already been earned, measured in today's dollars. Also referred to as the GASB 45 liability.
- ◆ **Annual Required Contribution (ARC)** – The annual amount required under the actuarial cost method and funding policy for amortizing the unfunded AAL (the portion of the AAL not covered by the plan's assets at the valuation date). It is made up of the normal cost (the portion of the cost of future unearned medical benefits allocated to next year) plus the amortization of the unfunded AAL.
- ◆ **Annual Other Post Employment Benefits (OPEB) Cost** – The ARC plus the amortization of the Net OPEB Obligation (NOO; see next bullet point). The Annual OPEB Cost is the “expense” for financial reporting.
- ◆ **Net OPEB Obligation (NOO)** – The cumulative difference between the Annual OPEB Cost and actual employer contributions. The NOO is the “balance sheet liability” for financial reporting.

The table below shows these key measurements for the LEOFF 1 employers in Washington State. Please read the rest of the report for a detailed description of what these measures are, how they are calculated, and how they should be used. Please review the sensitivity analysis section for more information on how these numbers change with small changes in our assumptions.

GASB 45 Key Results	
(\$ in thousands)	
Actuarial Accrued Liability (AAL)	\$1,860,827
Annual Required Contribution (ARC)	194,859
Annual OPEB Cost	183,931
Net OPEB Obligation (NOO) (6/30/2010)*	\$304,091

**Estimated.*

Comments on 2009 Results

Significant changes in plan provisions or actuarial assumptions and methods impact the GASB 45 liability. Significant factors that impacted the results of this valuation include the following:

- ◆ We changed the demographic assumptions for consistency with the *June 30, 2009, Actuarial Valuation Report (AVR)* on the LEOFF Retirement System Plan 1. The major change stems from the *2001-2006 Demographic Experience Study Report* where we applied projected mortality improvements. By projecting that members live longer than previously assumed, this assumption change resulted in an increase to the GASB 45 liability.
- ◆ We updated the valuation date from September 30, 2006, to June 30, 2009, a two and three-quarter year difference.
- ◆ We used the same medical assumptions as the last valuation and rolled them forward from the last valuation date to the current valuation date. With the assistance of a healthcare actuary, we plan to develop new healthcare assumptions for the next valuation.

With the exception of the demographic assumption change noted above, the results generally changed as expected from the last valuation. We plan to develop detailed gain/loss analysis for the next valuation report.



Section One - Background

OPEB

Other Post-Employment Benefits (OPEB), as defined by Governmental Accounting Standards Board (GASB), are benefits that are provided to retired employees beyond those provided by their pension plans. Such benefits include medical, prescription drug, life, dental, vision, disability, and long-term care insurance. Law Enforcement Officers' and Fire Fighters' (LEOFF) Retirement Plan 1 employers pay 100 percent of "necessary medical services" for LEOFF 1 retirees.

Necessary Medical Services

The medical benefit, set up under RCW 41.26.150(1), provides free medical and long-term care coverage for LEOFF 1 retirees. The statute reads as follows:

Whenever any active member, or any member hereafter retired, on account of service, sickness, or disability, not caused or brought on by dissipation or abuse, of which the disability board shall be judge, is confined in any hospital or in home, and whether or not so confined, requires medical services, the employer shall pay for the active or retired member the necessary medical services not payable from some other source

The last employer of a retired LEOFF 1 member is responsible for the full cost of any post-retirement medical benefits.

Individual local disability boards administer the LEOFF 1 medical plan. One set of plan terms or conditions does not exist. Different boards interpret the language "necessary medical services" differently. For example, one board may deem dental costs as necessary, whereas another board may deem dental costs as quality of living and not reimburse the member for the costs.

Disability Boards

The disability boards' authority is established under RCW 41.26.150(1)(a)&(b). It outlines each disability board's discretionary power:

1. The power to determine whether an active employee has been disabled either in the line of duty or outside of duty.
2. The power to designate the medical services available to any sick or disabled member.

These disability boards were established before the creation of the LEOFF retirement system in 1970; however, more boards were created in 1970 to handle the expanded membership. There are three types of disability boards:

1. First class cities (one board for police and one board for fire fighters).

2. Other large cities (one board for both police and fire fighters).
3. Counties (one board for both police and fire fighters).

The main difference between these board types is the makeup of the members of the board. However, the difference is slight and all of these boards have the same power and duties. Each board, regardless of type, will use their own discretion regarding which medical services are fully paid by their LEOFF 1 employers.

Insurance

Insurance allows the LEOFF 1 employers to control the volatility in annual medical service costs. For example, if a LEOFF 1 employer only has one retiree, the ongoing annual costs will vary widely depending on whether that retiree had a relatively healthy year or entered long-term care. When many employers group together in an insurance pool, they will be able to pay a steadier annual amount to offset medical service costs. The Legislature has approved of this practice by codifying it in RCW 41.26.150 (4).

“Any employer under this chapter, either singly, or jointly with any other such employer or employers through an association thereof...may provide for all or part of one or more plans of group hospitalization and medical aid insurance to cover any of its employees who are members of the Washington law enforcement officers’ and fire fighters’ retirement system, and/or retired former employees... through contracts with regularly constituted insurance carriers, with health maintenance organizations...or with health care service contractors....”

The County Commissioners have established the Washington Counties Insurance Fund (WCIF). The Association of Washington Cities has established the Association of Washington Cities Employees Benefit Trust, which provides indemnity coverage as well as HMO coverage. The Washington Fire Commissioners Association also provides a plan with indemnity and HMO coverage. Most LEOFF 1 employers have joined their respective association’s medical plans.

The remaining LEOFF 1 employers not opting to join their association’s medical plan have several other options. Some obtain coverage through union health and welfare plans (e.g. Teamsters). Some contract through other individual insurance providers. Self-insurance is another viable option for large LEOFF 1 employers, which a number of the larger political subdivisions have selected.

GASB 43/45

In the past, these free medical services have not been projected and accounted for under an accrual basis. Accrual accounting is meant to match the timing between when something occurs and when the employer accounts for the cost. In this case, it is meant to match the accounting expense to the year in which the benefits are earned by the member. Under pay-as-you-go funding, contributions are made when the cost occurs (after retirement). This cost is expensed as the LEOFF 1 employers in Washington State pay the current year’s medical expenses. However, the unfunded liability, the difference between the projected cost of benefits members have earned and what the LEOFF 1 employers in Washington State have been paying, is growing and is not accounted for under the pay-as-you-go method. According to GASB, Statements No. 43 and 45 were created in an attempt to:

- ◆ Create financial transparency.

- ◆ Create better alignment between public and private sector accounting.
- ◆ Provide clarity among bargaining groups to show the true cost of benefits over time.
- ◆ Provide employers knowledge of the true cost of benefits over time.
- ◆ Provide investors knowledge of the true long-term liabilities.
- ◆ Show the decision-makers that a liability exists.

GASB 43 requires disclosure of information related to the entire plan. In this case, since there is no statewide LEOFF 1 Medical plan, GASB does not require that a liability be calculated at the plan level. Instead, this report shows what the results would look like if all the LEOFF 1 employers were joined in one single plan. GASB 45 requires each employer to calculate their OPEB liability. The individual LEOFF 1 employers will be responsible for GASB 45. Using the same methods and assumptions, the summation of all the individual LEOFF 1 employers should equal the results in this report for the statewide liability. In addition to the overall liability, GASB requires that the ARC must be calculated. The ARC is the annual amount required under the actuarial cost method and funding policy for amortizing the unfunded actuarial accrued liability. GASB does not require that LEOFF 1 employers actually contribute the ARC each year, just that it is recognized so that all stakeholders can see how adequately the liability is being funded.

As soon as an estimate of the GASB Actuarial Accrued Liability (AAL) is issued, it must be disclosed in every municipal Bond Prospectus. Rating agencies such as Moody's, Fitch, and Standard & Poors will analyze the OPEB liabilities. Bond ratings, and the related cost of capital, may be impacted. However, the resulting analyses will not necessarily have a negative impact on ratings. These agencies will consider whether a plan is in place to manage these liabilities, look at the entity's ability to meet its budget, and analyze the size of the UAAL compared to payroll, budget, and tax base when making their determinations.

Actuarial Valuation

In order to determine the GASB 45 liabilities, an actuarial valuation must be performed. An actuarial valuation is a way to determine what benefits will be paid throughout the future lifetimes of current members and discount those payments back to the present. The result is the present value of future benefits. For example, if you had a dollar amount today, which equaled the present value of future benefits, that amount could be invested, accrue earnings during the current plan members' lifetimes, and be paid out in a benefit stream when the members are eligible. The total amount remaining when there are no more benefits being paid would be zero. In this case, the benefits being paid out are the medical service costs for the LEOFF 1 retirees.

An actuarial valuation requires inputs such as participant data (who is receiving the benefits), benefit provisions (what are the benefits), and assumptions (how do we expect the members and the economy to behave). Participant data records include the members' ages, membership service, plan selection, etc. Benefit provisions include the structure of the benefits that the members receive; in this case, the retiree medical benefits paid by employers. Assumptions include the interest rate (investment return), health care inflation rates, general inflation rates, decrement rates (retirement, mortality, etc.), participation rates, Medicare coverage, etc.

The inputs are taken and valued using an actuarial cost method. The method chosen will allocate costs between past and future plan membership service. Distinct actuarial cost methods will produce somewhat different allocations since each method allocates cost a little bit differently. The inputs and the cost method are put into valuation software to determine the Actuarial Accrued Liability (AAL) and Annual Required Contribution (ARC). Essentially, the valuation software uses the inputs to determine when a benefit will be paid, how much the benefit will be, and how long it will be paid to each member. All of these benefits are then discounted back to today's dollars and summed to determine the present value of future benefits, the AAL, and the ARC for all plan members.

Funding Policy

In the past, these medical expenses were funded on a pay-as-you-go basis, meaning that employers would pay these costs as they occurred. This generally means today's taxpayers are paying for benefits that were accrued (or earned) in the past. This funding policy conflicts with the principle of intergenerational equity, which requires that employers fund a member's benefits over the member's working lifetime. The idea is for the member's benefits to be paid by the taxpayers who benefit from that member's service, as opposed to making future taxpayers, who do not benefit from that member's service, pay for the member's benefits.

In the future, these liabilities can continue to be funded on a pay-as-you-go basis, or they can be pre-funded. If they continue to be funded on a pay-as-you-go basis, then a Net OPEB Obligation (NOO) will continue to accrue as the annual contributions fall short of the ARC. This funding policy results in lower current contributions, a growing liability, and continued conflict with the principle of intergenerational equity. In addition, if a pay-as-you-go funding method is selected, there will be no assets to invest; therefore, the interest discount rate must be lower, in the range of 4 to 5 percent. A lower interest discount rate will mean the reported overall liability will be larger.

If, instead, these liabilities are fully pre-funded, then contributions equal to the ARC must be made annually and placed in an irrevocable trust. If the choice to fully pre-fund is made, then no further NOO will accrue. This funding policy results in larger current contributions, a lower unfunded liability, and adherence to the principle of intergenerational equity. In addition, if the choice is made to pre-fund, there will be assets to invest; the investment return applied to the liabilities will reflect the expected long-term yield of the assets used to finance the payment of the benefits. If these assets are invested similarly to those in a typical retirement plan, an interest discount rate in the range of 7 to 8 percent can be used. A higher interest discount rate will mean the reported overall liability will be smaller.

It is important to note that switching from pay-as-you-go to pre-funding and creating a trust fund is a complicated process with many considerations. Such considerations include determining the level of pre-funding and weighing the short-term costs versus long-term benefits.

Another alternative is to choose a combination of the two funding policies. Partially pre-funding the liabilities will allow for an interest discount rate of 5 to 7 percent. A NOO will accrue, but not as fast as under a pay-as-you-go funding method. Choosing this combination of funding methods allows for decision-makers to keep current contributions manageable, while still pre-funding part of the liability and being able to earn some investment returns from the assets.

Lastly, partial or full pre-funding could occur under a non-dedicated fund. Under this approach, future benefit payments would be partially offset by anticipated investment earnings. A NOO would still accrue, however, since GASB requires funding under an irrevocable and dedicated trust.

Section Two - Actuarial Exhibits



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Actuarial Certification Letter Actuarial Valuation of LEOFF 1 Medical Benefits June 2011

This report documents the results of an actuarial valuation of the post-retirement medical benefits offered by the Law Enforcement Officers' and Fire Fighters' Retirement System Plan 1 (LEOFF 1) employers to their LEOFF 1 retirees. The primary purpose of this valuation is to determine and report the statewide liability, as of June 30, 2009, for the retiree medical benefits provided by LEOFF 1 employers. This valuation should not be used for other purposes. Individual employers should not use this report to satisfy their individual reporting requirements under GASB.

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 purposes stated above. The use of another set of assumptions and methods, however, could also be reasonable and could result in materially different results.

The results of this analysis can become quickly outdated. Please replace this analysis with the results of our next report when available.

We assumed a pay-as-you-go funding policy when selecting the assumed rate of investment return. The expected long-term yield on the assets used to finance the payment of benefits determines the assumed investment return. General and salary inflation are the same as those used in the *June 30, 2009, Actuarial Valuation Report* (AVR), as prescribed by the Legislature. Medical trend, long-term care trend, claims costs, aging factors, and Medicare coverage were determined by healthcare actuaries at Milliman in 2007, contracted through the Office of the State Actuary, and rolled forward to the current valuation date. Demographic assumptions are the same as those used in the AVR for LEOFF 1, which were developed from the *2001-2006 Experience Study* performed by the Office of the State Actuary. The Office of the State Actuary selected the actuarial cost method.

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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 provided the member data used in this report. We checked the data for reasonableness as appropriate based on the purpose of the valuation. There are currently no statewide assets as the statewide liability has not been pre-funded. An audit of the participant data was not performed. We relied on all the information provided as complete and accurate. In our opinion, this data is adequate and complete for the purposes of this valuation.

The undersigned, with actuarial credentials, meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein.

Matthew M. Smith, FCA, EA, MAAA
State Actuary

Troy A. Dempsey, ASA, EA, MAAA
Actuary

Present Value of Future Benefits

The Present Value of Future Benefits (PVFB) is the present value of future medical and long-term care benefits paid on behalf of current LEOFF 1 employees (actives/future retirees) and current LEOFF 1 retirees. The PVFB is based on all service currently earned and all service projected to be earned in the future. In other words, this is the present value of all future medical benefits, whereas the GASB Statement No. 45 (GASB 45) liability is the present value of all future medical benefits that members have earned. The table below shows the PVFB as of June 30, 2009, by current active and inactive members and shows what portions are attributable to medical and long-term care benefits.

Present Value of Future Benefits (PVFB)	
(\$ in thousands)	
Active Members¹	
Medical	\$95,865
Institutional Long-Term Care	22,908
Non Institutional Long-Term Care	9,019
Total Active	\$127,792
Inactive Members²	
Medical	\$1,231,387
Institutional Long-Term Care	372,905
Non Institutional Long-Term Care	137,814
Total Inactive	\$1,742,107
Total	\$1,869,899

Note: Totals may not agree due to rounding.

¹ Currently employed.

² Retired members and terminated members entitled to a benefit.

GASB 45 Liability

GASB 45 Actuarial Accrued Liability (AAL)	
(\$ in thousands)	
Active Members¹	
Medical	\$89,146
Institutional Long-Term Care	21,212
Non Institutional Long-Term Care	8,362
Total Active	\$118,720
Inactive Members²	
Medical	\$1,231,387
Institutional Long-Term Care	372,905
Non Institutional Long-Term Care	137,814
Total Inactive	\$1,742,107
Total	\$1,860,827

Note: Totals may not agree due to rounding.

¹ Currently employed.

² Retired members and terminated members entitled to a benefit.

The GASB 45 liability is the total accrued liability from the medical and long-term care benefits offered by LEOFF 1 employers. It is the present value of future medical benefits paid on behalf of current LEOFF 1 employees (actives/future retirees) and current LEOFF 1 retirees. The GASB 45 liabilities are based on all service currently earned. The GASB 45 liability is also referred to as the actuarial accrued liability. This table shows the GASB 45 liabilities as of June 30, 2009, by current active and inactive members and shows what portions are attributable to medical and long-term care benefits. Since the plan is nearly a 100 percent retired population, almost all future medical benefits have been earned. Therefore, the GASB 45 liability and PVFB are approaching the same number.

ARC, Annual OPEB Cost, and NOO

The Annual Required Contribution (ARC) is the annual amount required under the selected actuarial cost method and funding policy for amortizing the Unfunded Actuarial Accrued Liability (UAAL). The ARC is made up of the normal cost plus the level dollar, fifteen-year amortization of the AAL that has not been funded. In other words, it is the amount of liability that will be earned in the next year, plus a portion of the unpaid liability that has already been earned. Below is a table that shows the ARC and its components as of June 30, 2009. The components are broken down by active and inactive members and the table shows what portions are attributable to the medical and long-term care benefits. The table shows that the majority of the ARC is made up of the amortization of the Actuarial Accrued Liability(AAL); the normal cost is small since there are relatively few actives left who are still accruing benefits.

Annual Required Contribution (ARC)	
(\$ in thousands)	
Normal Cost	
Medical	\$2,182
Institutional Long-Term Care	516
Non Institutional Long-Term Care	204
Total Normal Cost	\$2,902
Amortization	
Medical	\$136,222
Institutional Long-Term Care	40,656
Non Institutional Long-Term Care	15,079
Total Amortization	\$191,957
ARC	\$194,859

Note: Totals may not agree due to rounding.

The ARC is the annual amount necessary to pre-fund future medical benefits and the Annual OPEB Cost is the related annual accounting expense. The Annual OPEB Cost is made up of the ARC, the interest on the Net OPEB Obligation (NOO), and the amortization of the NOO. The NOO is the ongoing balance sheet item that shows the difference between the Annual OPEB Cost and what the employers have actually contributed. In other words, it is the liability for deficient contributions that has accumulated since the ARC was first calculated including interest at the discount rate. The tables to the left show the estimated Annual OPEB Cost and NOO as of June 30, 2010.

Annual OPEB Cost	
(\$ in thousands)	
ARC	\$194,859
Interest on NOO	9,748
Amortization of NOO	(20,676)
Annual OPEB Cost	\$183,931

Note: Totals may not agree due to rounding.

Net OPEB Obligation (NOO)	
(\$ in thousands)	
NOO (6/30/2009)	\$216,621
Annual OPEB Cost	183,931
(6/30/2009 - 6/30/2010) Contributions*	(96,461)
NOO (6/30/2010)*	\$304,091

Note: Totals may not agree due to rounding.

**Estimated.*

Amortization Schedule

The UAAL and NOO are amortized as a level dollar amount over a closed fifteen-year period. The following tables show what makes up this year's amortization of the UAAL and NOO.

Amortization of the UAAL						
(\$ in thousands)	Beginning UAAL	Previous Amortization	Accrued Interest	Current UAAL	Amortization Factor	Amortization Amount
	(a)	(b)	(c)	(d) = (a-b+c)	(e)	(d/e)
9/30/2006	\$1,745,427	\$437,210	\$230,180	\$1,538,397	9.68	\$158,986
6/30/2009	\$322,430	\$0	\$0	\$322,430	11.22	28,730
Total						\$187,715
Interest on Contributions						4,242
Total UAAL Amortization						\$191,957

Amortization of the NOO						
(\$ in thousands)	Beginning NOO	Previous Amortization	Accrued Interest	Current NOO	Amortization Factor	Amortization Amount
	(a)	(b)	(c)	(d) = (a-b+c)	(e)	(d/e)
9/30/2006	\$0	\$0	\$0	\$0	N/A	\$0
9/30/2007*	82,319	13,122	7,732	76,929	10.26	7,498
6/30/2008	64,011	5,831	4,107	62,287	10.68	5,831
6/30/2009	\$75,721	\$0	\$1,685	\$77,406	11.22	6,897
Total						\$20,226
Interest on Contributions						\$450
Total NOO Amortization						\$20,676

*Restated.

Assets

Under GASB rules, employers must establish an irrevocable, dedicated, and protected trust for medical benefits in order to accumulate assets for accounting purposes. It is unknown how many individual LEOFF 1 employers have established such trusts for their LEOFF 1 medical obligations. As a result, we assumed all employers pay for medical benefits on a pay-as-you-go basis for purposes of this statewide valuation. When employers fund benefits on a pay-as-you-go basis, no assets accumulate for investment. The following table shows the market value of assets and the actuarial value of assets as of the valuation date, June 30, 2009.

Assets as of June 30, 2009	
(\$ in thousands)	
Market Value of Assets	\$0
Amortization of Gains/(Losses)	0
Actuarial Value of Assets	\$0

Funded Ratio

The funded ratio is the ratio of the present value of contributions that have been made for current members (and associated investment return, if applicable) to the present value of the liability that has already been accrued (as defined by the funding method). A funded ratio of 100 percent indicates that all benefits that have been accrued have been funded as of the valuation date. A ratio of less than 100 percent indicates that all benefits that have been accrued have not been funded as of the valuation date. The table to the right shows the funded status of the LEOFF 1 employers' OPEB liability.

Funded Status as of June 30, 2009*	
(\$ in thousands)	
Actuarial Accrued Liability	\$1,860,827
Assets	0
Unfunded Liability (6/30/2009)	\$1,860,827
Funded Ratio: 6/30/2010	0.00%

*Assumes all employers use pay-as-you-go funding.

Covered Payroll

The covered payroll is the total payroll of all current members that are eligible to receive medical benefits upon retirement. The estimated current covered payroll can be seen in the table to the right.

Covered Payroll (LEOFF 1)	
(\$ in thousands)	
Total Payroll	\$33,350

Unfunded Liability as a Percentage of Covered Payroll

We will look at the unfunded liability as a percentage of covered payroll as a measure of the relative magnitude of the unfunded liability. The table below shows that the unfunded liability is 5,580 percent of the total covered payroll. In other words, if 5,580 percent of

Unfunded Liability as a Percent of LEOFF 1 Covered Payroll	
(\$ in thousands)	
Unfunded Liability (6/30/2009)	\$1,860,827
Total Payroll (LEOFF 1)	\$33,350
Unfunded Liability as a % of Covered Payroll	5580%

this year's payroll (or 55.8 times the current payroll) were contributed to fund the benefits, all accrued benefits would be fully funded. This is an extreme example of a benefit that was not funded over the working lifetime of the members, which leads to a large percent of the covered payroll; in a short time this percentage will be infinite as there will be no covered payroll when all LEOFF 1 members are retired.

The unfunded liability can also be compared to the total payroll of the entire LEOFF system (Plans 1 and 2). This is a better measure of the unfunded liability compared to the total police and fire fighter payroll. The table below shows this comparison; it would take 126 percent of this year's total LEOFF payroll to fund the accrued benefits.

Unfunded Liability as a Percent of LEOFF Payroll	
(\$ in thousands)	
Unfunded Liability (6/30/2009)	\$1,860,827
Total Payroll (LEOFF 1 & 2)	\$1,475,837
Unfunded Liability as a % of Covered Payroll	126%

Percentage of ARC Contributed

The next table shows that an estimated 49.5 percent of the ARC would be contributed during the year ending June 30, 2010, on a pay-as-you-go basis. Contributions on a pay-as-you-go basis represent a significant portion of the ARC since the opportunity to pre-fund benefits over members' working lifetimes has passed.

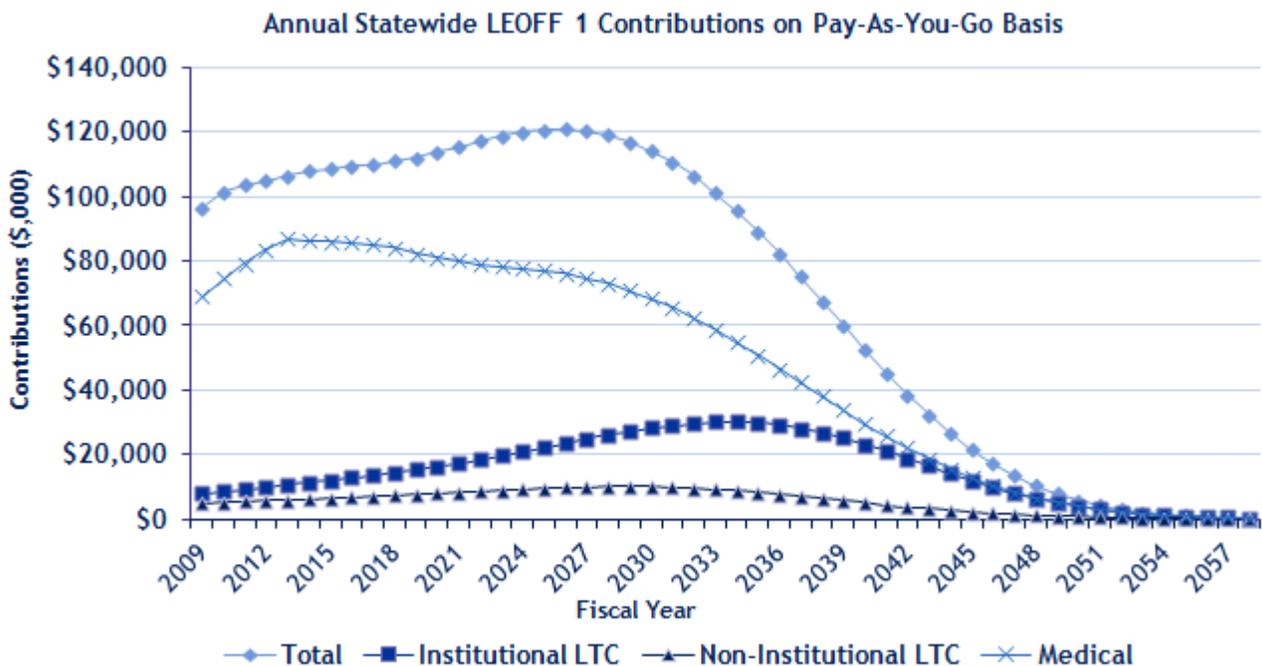
Percent of ARC Contributed	
(\$ in thousands)	
(6/30/2009 - 6/30/2010) Contributions*	\$96,461
ARC	\$194,859
Percentage of ARC Contributed*	49.5%

*Estimated.

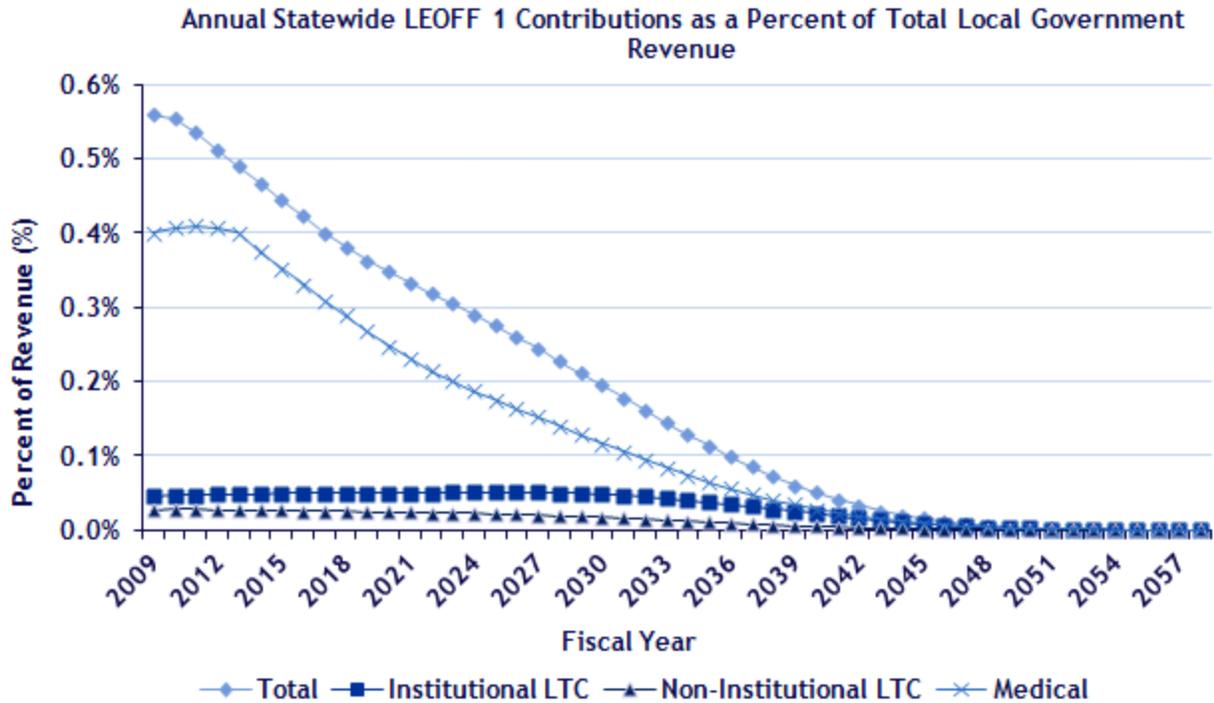
Projections

It is important to look at the projections of the contributions and the liability in order to determine whether the contributions are manageable and whether the liability will be funded in a reasonable amount of time. Projections allow policy decision makers to determine the best funding policy for the State, local governments, and their constituents while providing investors and stakeholders the knowledge of what lies ahead. Bond rating agencies will look at these projections and consider whether a well-formulated plan is in place, or is necessary.

We will look at what the stream of future benefits/contributions will look like with a pay-as-you-go funding policy for the current participants. Fifty years is a good time frame for these projections since it is enough time to see the pay-as-you-go contributions decrease to zero. As the large number of current members and high medical inflation dominate the early years, the annual contributions increase. As projected medical inflation slows down and the closed population continues to dwindle, the annual benefits/contributions reach a peak and decrease to zero in the long-run. The graph below shows what we expect the contributions to look like under the current pay-as-you-go funding policy. It shows what pieces are attributable to institutional Long-Term Care (LTC), non-institutional LTC, and medical.



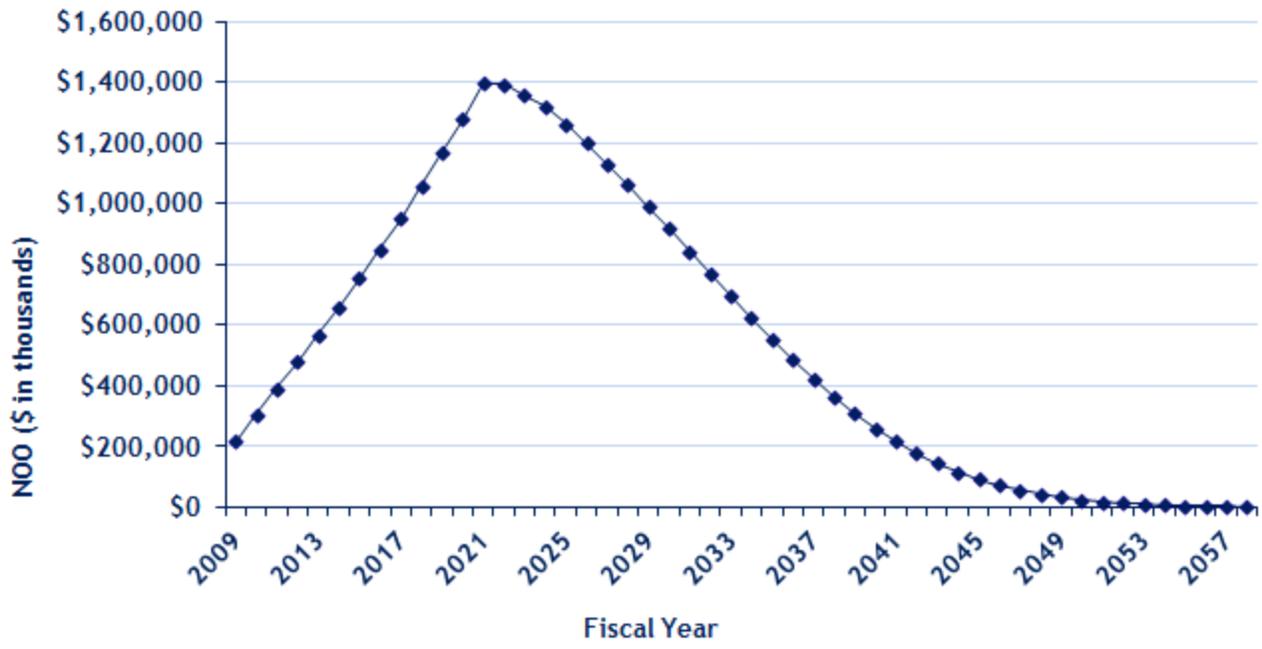
While the expected stream of future contributions is nice to know, it is only helpful when put in perspective. A good comparison for the LEOFF 1 employers' obligation is to look at the projected contributions as a percentage of total local government revenue (cities, counties, ports, transits). The table on the following page shows the percentage of the contributions relative to total local government revenue. It shows what pieces are attributable to institutional LTC, non-institutional LTC, and medical. Note that not all local government revenue is available to fund these benefits; this is intended to show relative magnitude. We increased the local government revenue for 2010 by 6 percent per year to determine future local government revenue.



The last projection we considered is the NOO over this same time period. Remember, the NOO grows as long as contributions are less than the annual OPEB cost. The NOO is a balance sheet item that shows the cumulative difference between the annual OPEB cost and actual contributions made. The graph on the following page shows the NOO; the annual OPEB cost is larger than the contributions in the years that the NOO increases, while the annual OPEB cost is smaller than the contributions in the years that the NOO decreases.

Since almost all LEOFF 1 members are in retirement, the vast majority of the ARC is made up of the closed fifteen-year amortization of the original unfunded actuarial accrued liability. Therefore, the NOO increases for 12.25 years as contributions are less than the annual OPEB cost, and decreases after the annual OPEB cost drops off.

Projected Statewide LEOFF 1 NOO on a Pay-As-You-Go-Basis



Section Three - Sensitivity Analysis

A single point estimate is only the start of understanding the GASB 45 liability. This estimate will only be realized if future economic and demographic experience matches our assumptions. It is equally important to understand what will happen if the economic and demographic experience is different than we assumed. To test the sensitivity of the results to our assumptions, we determined how much the statewide LEOFF 1 liability would change due to small changes in the medical trend assumption.

The medical inflation trend assumption starts at 7.625 percent in 2010 and decreases to an ultimate rate of 5 percent in 2016. The ultimate rate means the expected rate for 2016 and beyond is 5 percent. Please see the Appendix for the detailed medical trend assumptions. Although this represents our best estimate, it is reasonable that actual medical inflation trend could be higher or lower. We will look at a medical inflation trend 1 percent higher or lower in each year to determine how sensitive the results are to medical inflation. We display this information in the table to the right.

Statewide LEOFF 1 Medical Trend Sensitivity Analysis			
(\$ in thousands)	Low (-1.0%)	Expected*	High (+ 1.0%)
PVFB	\$1,744,536	\$1,869,899	\$2,016,281
GASB 45 Liability	\$1,736,426	\$1,860,827	\$2,006,037
Normal Cost	2,614	2,902	3,250
Amortization	180,619	191,957	205,192
ARC	\$183,234	\$194,859	\$208,441
Interest on NOO	9,748	9,748	9,748
Amortization of NOO	(20,676)	(20,676)	(20,676)
Annual OPEB Cost	\$172,306	\$183,931	\$197,513
Beginning NOO	216,621	216,621	216,621
Contributions**	(96,461)	(96,461)	(96,461)
Ending NOO**	\$292,466	\$304,091	\$317,674

Note: Totals may not agree due to rounding.

**Begins at 7.625% in 2010 and decreases to an ultimate rate of 5% in 2016.*

***Estimated.*

It is important to realize that economic assumptions, such as medical inflation, can vary based on random events such as wars, medical breakthroughs, and legislation. Knowing the variability in our best estimate is just as important as knowing the best estimate itself.

Section Four - Participant Data

Summary of Plan Participants

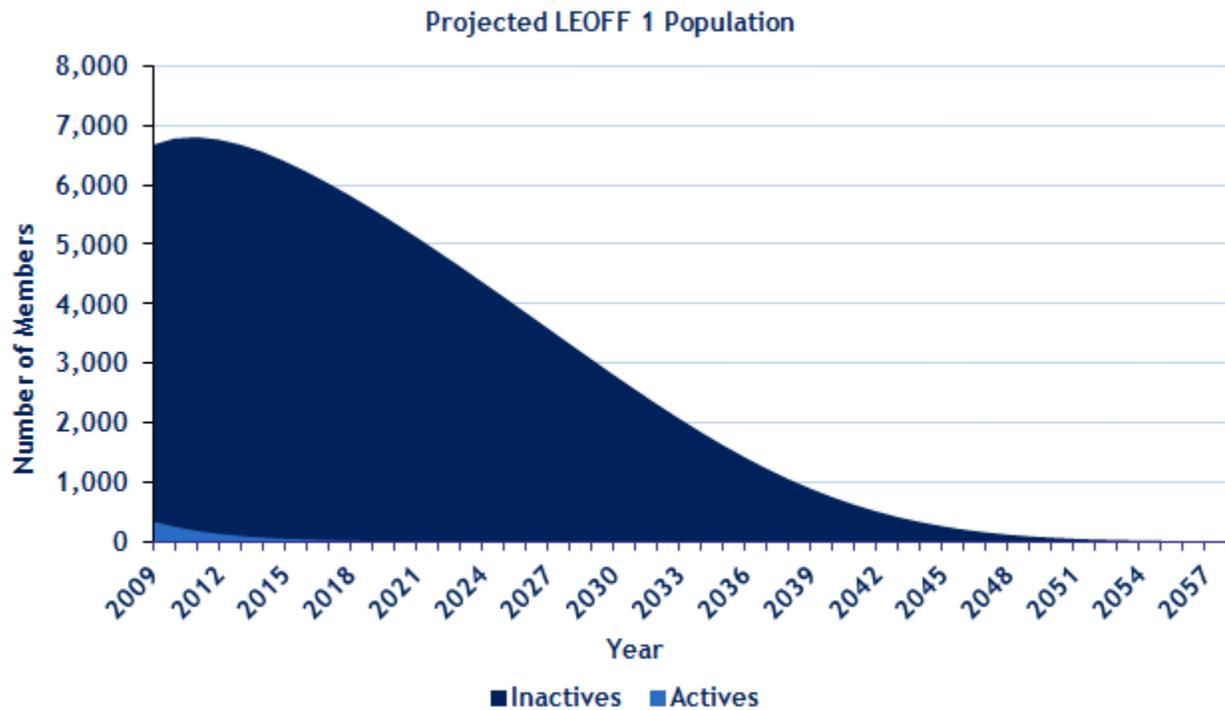
The law enforcement officers, other than the commissioned officers of the Washington State Patrol, and fire fighters of Washington State have retirement coverage under one of two plans within LEOFF. Members first employed prior to October 1, 1977, are in LEOFF Plan 1. Members first employed on or after October 1, 1977, are in LEOFF Plan 2. All LEOFF 1 members are eligible for free retiree medical. Below is a breakdown of the active and inactive members that are receiving free retiree medical currently or eligible to receive free retiree medical in the future. LEOFF 2 members do not receive free retiree medical coverage.

Summary of Plan Participants		
	LEOFF 1	LEOFF 2
Active Members		
Number	356	16,951
Total Salary (thousands)	\$33,350	\$1,442,488
Average Age	58.6	41.6
Average Service	35.0	12.7
Average Salary	\$93,679	\$85,097
Inactive Members*		
Number	6,674	1,800
Average Age	67.9	54.4
Average Monthly Medical Cost**	\$1,010	N/A
Average Monthly LTC Cost**	\$194	N/A
Average Monthly Total Cost**	\$1,204	N/A

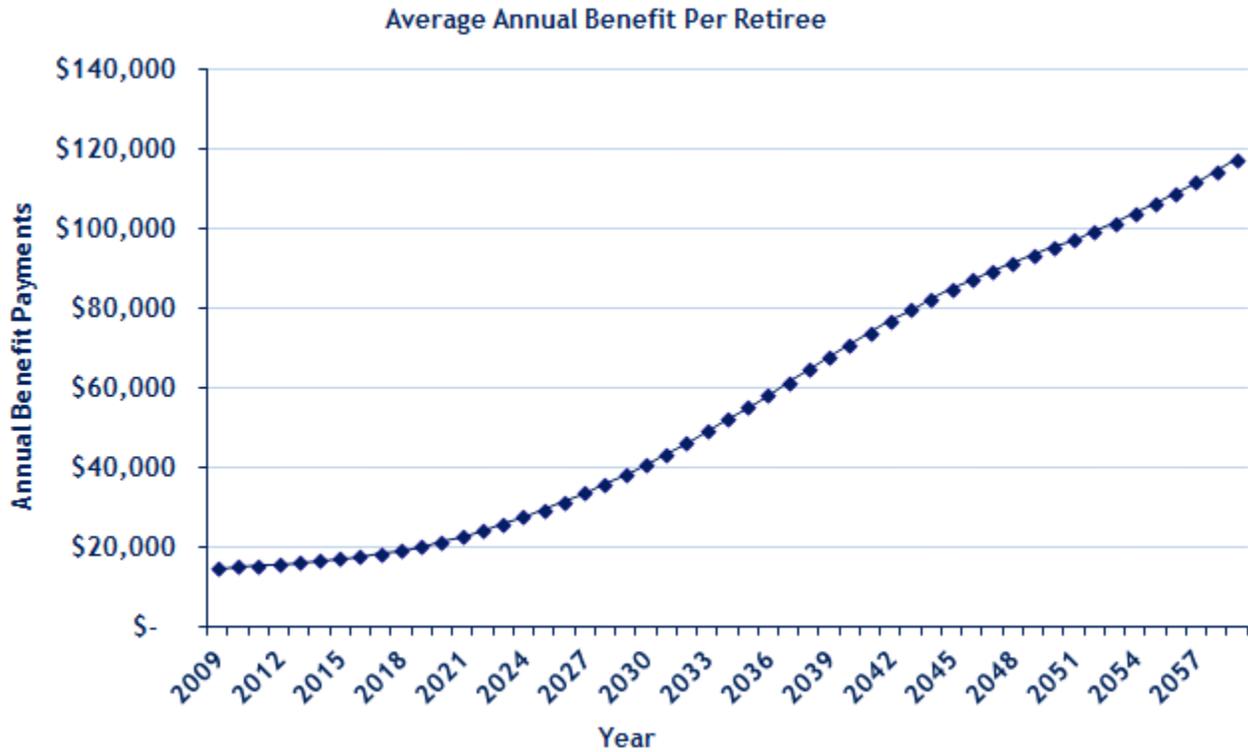
*Includes retirees and terminated vested members.

**Current year average costs.

Since LEOFF 1 is a closed plan, meaning new entrants cannot enter the plan, the population will decline rapidly in future years. The following graph shows projected active and inactive population over the next 50 years.



The next graph shows the average annual benefit payment per retiree in LEOFF 1 over the next 50 years. As you can see, as the LEOFF 1 population ages, the average amount paid per retiree will increase significantly over the next 50 years. Note that a portion of this increase is due to inflation (a dollar in the future is not expected to be worth as much as a dollar today).



Summary of Employers

Political subdivisions employ LEOFF 1 members. Different political subdivisions employ police officers, firefighters, or both. The table below shows which types of employers employ police officers and firefighters and the current status of the members they employ.

Employee Count By Employer Type and Status						
Employer Type	Active	Duty Disability	Non-Duty Disability	Service Retiree	Terminated Vested	Total
Police						
First Class City	75	624	134	893	2	1,728
Other City	40	457	100	403		1,000
County	39	434	112	498	-	1,083
Total Police	154	1,515	346	1,794	2	3,811
Firefighters						
First Class City	113	1,387	70	468	-	2,038
Other City	46	350	54	294	-	744
Fire Protection District	37	148	28	155		368
Port	6	28	11	24		69
Total Firefighters	202	1,913	163	941	-	3,219
Total Members	356	3,428	509	2,735	2	7,030

Further detail can be seen in the table below. This table shows each political subdivision that employs LEOFF 1 members and groups them by employer type. The table also shows the status of each political subdivision's members.

Employee Count By Employer and Status						
Political Subdivision	Active	Duty Disability	Non-Duty Disability	Service Retiree	Terminated Vested	Total
First Class Cities						
Aberdeen	2	35	6	33		76
Bellingham	11	31	10	84		136
Bremerton	4	61	10	31		106
Everett	14	177	10	23		224
Richland	4	35	12	26		77
Seattle	44	304	48	474		870
Spokane	24	112	38	314	2	490
Tacoma	21	329	24	156		530
Vancouver	4	52	15	64		135
Yakima	4	64	13	73		154
Seattle	56	812	18	83		969
Total First Class Cities	188	2,012	204	1,361	2	3,767
Other Cities						
Buckley		1	1	3		5
Coupeville		1				1
Elma		3				3
Ephrata		3		1		4
Ferndale				4		4
Goldendale		2	1	1		4
Granite Falls			1			1
Kelso		2	4	18		24
Lacey	1	8	1	4		14
Long Beach		1	1			2
Longview		28	6	39		73
Marysville	1	7	1	3		12
McCleary		2				2
Milton		3				3
Monroe		3	1			4
Olympia	6	39	3	33		81
Port Orchard		5	1			6
Prosser		1	1	2		4
Puyallup		22	2	17		41
Quincy	1	1		1		3
Shelton		6		8		14
Snohomish		1	3	1		5
Sultan		1	1			2
Tekoa			1			1
Tumwater		6		10		16

Employee Count By Employer and Status						
Political Subdivision	Active	Duty Disability	Non-Duty Disability	Service Retiree	Terminated Vested	Total
Other Cities - Continued						
Union Gap	1	2	1			4
Woodland		1		2		3
Yelm		1				1
Anacortes	3	10	2	7		22
Arlington		3		4		7
Auburn	1	33	9	21		64
Bellevue	17	60	6	59		142
Black Diamond			1	1		2
Blaine	1	1		3		5
Bothell	1	16	2	3		22
Burlington		2	1	1		4
Camas		1	3	9		13
Castle Rock			2			2
Centralia	2	11	2	14		29
Chehalis		3		16		19
Chelan		3		2		5
Cheney		3	1	6		10
Chewelah		1		1		2
Clarkston	1	7	1	4		13
Colfax			1	1		2
College Place	1					1
Colville	1			1		2
Coulee Dam			1			1
Darrington			1			1
Dayton		1		3		4
Des Moines			1	5		6
Edmonds		20	4	12		36
Ellensburg		6	4	18		28
Enumclaw		7		1		8
Fircrest				3		3
Grand Coulee	1					1
Grandview	1	1		7		9
Hoquiam	3	22	1	11		37
Issaquah		7		2		9
Kennewick	2	38	6	8		54
Kent	3	42	7	22		74
Kirkland	1	22	3	12		38
Lake Forest Park		2				2
Lynden	1		1	1		3
Lynnwood	1	27		23		51

Employee Count By Employer and Status

Political Subdivision	Active	Duty Disability	Non-Duty Disability	Service Retiree	Terminated Vested	Total
Other Cities - Continued						
Medical Lake		1				1
Medina			2	1		3
Mercer Island	1	19	1	17		38
Montesano		3				3
Moses Lake		7	1	12		20
Mount Vernon	3	7	2	14		26
Mountlake Terrace		24	2	4		30
Mukilteo			1	1		2
Normandy Park		1				1
Oak Harbor	2		1	2		5
Okanogan		1				1
Omak		1	1	2		4
Oroville		1				1
Othello		2	3	4		9
Pasco	6	17	7	15		45
Port Angeles		14	2	16		32
Port Townsend		5	1	4		10
Poulsbo		2				2
Pullman	3	8	1	7		19
Raymond		1		4		5
Redmond	4	17	3	7		31
Renton	3	60	1	39		103
Ritzville						-
Ruston			1			1
Sedro Woolley		3	1	4		8
Selah		2		1		3
Sequim				1		1
Snoqualmie		1		1		2
Steilacoom				1		1
Sumas				1		1
Sumner		4	1	4		9
Sunnyside	1	5	2	6		14
Tonasket		1				1
Toppenish		4	2	3		9
Tukwila	5	21	3	12		41
Walla Walla	4	20	10	35		69
Warden				1		1
Washougal				3		3
Wenatchee	3	18	2	17		40
Westport			1			1

Employee Count By Employer and Status

Political Subdivision	Active	Duty Disability	Non-Duty Disability	Service Retiree	Terminated Vested	Total
Other Cities - Continued						
White Salmon		1	1	1		3
Cle Elum				1		1
Newport		1				1
Algona		1				1
Battle Ground		1	1	1		3
Bonney Lake				1		1
Brier		1		1		2
Clyde Hill		2		1		3
East Wenatchee		1	1	1		3
Forks		2		1		3
Gig Harbor				4		4
Granger		2				2
Palouse				1		1
Pomeroy			1			1
Roy		1				1
Soap Lake			1			1
South Bend		1	1	1		3
Wapato		2		2		4
Tenino		1		1		2
Bainbridge Island			1	2		3
Fife		4	1	1		6
Brewster		3		1		4
West Richland		1		2		3
Concrete		1	1			2
Stanwood		1				1
Ocean Shores		5	2	2		9
Napavine				1		1
Yacolt				1		1
Mill Creek		1				1
Everson			1			1
Kettle Falls		1				1
SeaTac		4				4
Total Other Cities	86	807	154	694	-	1,741

Employee Count By Employer and Status

Political Subdivision	Active	Duty Disability	Non-Duty Disability	Service Retiree	Terminated Vested	Total
Counties						
Adams	1	2		1		4
Asotin				1		1
Benton	1	7	5	6		19
Chelan		15		11		26
Clallam		7		4		11
Clark	3	13	3	38		57
Columbia				1		1
Cowlitz	1	3	4	18		26
Douglas		1		5		6
Ferry				1		1
Franklin	2	7		3		12
Grant	1	10	3	10		24
Grays Harbor	3	10	3	6		22
Island		4	3	4		11
Jefferson		4		5		9
King	6	154	39	118		317
Kitsap	1	23	3	15		42
Kittitas		3	2	4		9
Klickitat	1	2	3	3		9
Lewis		5	2	18		25
Lincoln		2	1	2		5
Mason		3	1	7		11
Okanogan		4	1	2		7
Pacific		4	1	4		9
Pend Oreille		1		1		2
Pierce	1	45	7	63		116
San Juan	1			1		2
Skagit		3	3	9		15
Skamania				7		7
Snohomish	4	33	11	24		72
Spokane	6	18	4	63		91
Stevens		2	1	4		7
Thurston	2	13	1	8		24
Wahkiakum				1		1
Walla Walla	2	2	2	3		9
Whatcom	1	5	2	16		24
Whitman		4	1	2		7
Yakima	2	24	6	13		45
Total Counties	39	433	112	502	-	1,086

Employee Count By Employer and Status

Political Subdivision	Active	Duty Disability	Non-Duty Disability	Service Retiree	Terminated Vested	Total
Fire Protection Districts						
Chelan Co Fpd 01		2		3		5
Clark Co Fpd 05		1	3	3		7
Clark Co Fpd 06	1	5	3	4		13
Douglas Co Fpd 02	2		1	3		6
King Co Fpd 01		1		1		2
King Co Fpd 02		9				9
King Co Fpd 04		6	1	8		15
King Co Fpd 10	1	3	1	4		9
North Highline Fire District	2	5	2	1		10
King Co Fpd 16		4	1	2		7
King Co Fpd 20				2		2
King Co Fpd 24						-
King Co Fpd 25		2		1		3
King Co Fpd 26		1				1
King Co Fpd 32				1		1
King Co Fpd 37		1				1
Federal Way Fire Dept	5	5	1	11		22
King Co Fpd 40		2		1		3
King Co Fpd 43		1	1	1		3
Bainbridge Island Fire Dept		3				3
Kitsap Co Fpd 07		3	1	4		8
Kittitas Co Fpd 02		1		2		3
Mason Co Fpd 02		1	1			2
Pierce Co Fpd 02	10	8	1	13		32
Pierce Co Fpd 03	1	3		4		8
Pierce Co Fpd 05		2		3		5
Pierce Co Fpd 06	3	4		3		10
Pierce Co Fpd 07		1				1
Pierce Co Fpd 09		2		2		4
Snohomish Co Fpd 01	5	14	1	3		23
Spokane Co Fpd 01	2	25	3	47		77
Spokane Co Fpd 03		1				1
Spokane Co Fpd 09		3	2	1		6
Thurston Co Fpd 03		5	1	3		9
Thurston Co Fpd 09		3	1	1		5
Walla Walla Co Fpd 04		1				1
Yakima Co Fpd 05		1		4		5
Cowlitz Co Fpd 02		1				1
Grant Co Fpd 03		1		2		3
Grant Co Fpd 05			1			1

Employee Count By Employer and Status

Political Subdivision	Active	Duty Disability	Non-Duty Disability	Service Retiree	Terminated Vested	Total
Fire Protection Districts - Continued						
Lewis Co Fpd 12		1	1	2		4
Pierce Co Fpd 10		1				1
Pierce Co Fpd 21		2				2
Marysville Fire District 12	1	2		1		4
Kitsap Co Fpd 01		1	1	3		5
Woodinville Fire-Life Saf		1		2		3
Clark Co Fpd 03		1		2		3
Clark Co Fpd 04				1		1
Clark Co Fpd 11				1		1
Whatcom Co Fpd 13		1				1
Whatcom Co Fpd 07				1		1
Snohomish Co Fpd 11		3		1		4
Benton Co Fpd 01		1				1
Thurston Co Fpd 11				1		1
Snohomish Co Fpd 04		1				1
Spokane Co Fpd 04		1				1
Whatcom Co Fpd 03				1		1
Missing Dept Code	4	1		1		6
Total Fire Protection Districts	37	148	28	155	-	368
Ports						
Moses Lake			1	3		4
Seattle	2	15	8	11		36
Walla Walla Regional Airport				3		3
Spokane Intl Airport		10	1	6		17
Snohomish Co Airport	1	3	1			5
Spokane Intl Airport	3					3
Total Ports	6	28	11	23	-	68
Total - All Departments	356	3,428	509	2,735	2	7,030

**Note: Totals may not agree with previous table due to reporting errors.*

Section Five - Appendices

Actuarial Methods

The Projected Unit Credit (PUC) cost method was used to calculate the plan’s Actuarial Accrued Liability (AAL), normal cost, and funded status and is consistent with governmental accounting standards.

Currently, there is no asset valuation method since there are no statewide invested assets in an irrevocable, dedicated, and protected trust.

The Unfunded Actuarial Accrued Liability (UAAL) is amortized over a closed fifteen-year period as a level dollar amount.

Economic Assumptions

The economic assumptions are used in the actuarial valuation to determine liabilities and contributions in the future. For presentation purposes, they are broken into non-medical and medical economic assumptions. The non-medical economic assumptions specify how we expect membership and salaries to grow, and the interest discount rate we used in order to discount future cash flows into today’s dollars; besides the interest discount rate these are consistent with the *June 30, 2009, Actuarial Valuation Report (AVR)*.

Non-Medical Economic Assumptions	
	LEOFF 1
Annual Growth in Membership	0.00%
Return on Investment Earnings ¹	4.50%
Inflation ²	3.50%
General Salary Increases (due to inflation) ³	4.00%

¹ Annual rate, compounded annually.

² Based on the CPI: Urban Wage Earners & Clerical Workers,

³ Excludes longevity, merit, or step increases that usually

The interest discount rate is chosen based on the expected long-term yield of assets expected to finance the payment of benefits. Since we assumed the liabilities are funded on a pay-as-you-go basis, the benefit payments are effectively paid from each LEOFF 1 employer’s “checking account.” These LEOFF 1 employer accounts are likely invested in short term products such as repurchase agreements, FNMA instruments, and U.S. Treasury obligations. We assumed a long-term yield of 4.50 percent for this valuation.

	Medical Inflation Trend	
	Medical	Long-Term
2010	7.625%	4.5%
2011	7.125%	4.5%
2012	6.625%	4.5%
2013	6.125%	4.5%
2014	5.625%	4.5%
2015	5.125%	4.5%
2016+	5.000%	4.5%

The medical economic assumptions specify how we expect the benefits to change in the future. We relied on health care actuaries at Milliman to determine the medical trend rates in 2007. We rolled the 2007 assumptions forward from the last valuation date to the current valuation date.

We relied on Milliman health care actuaries to determine the medical claims costs in 2007. We rolled the 2007 assumptions forward to the current valuation date. They provided us with age 62 non-Medicare and age 67 Medicare medical cost and aging factors. Claims costs for sample ages are shown in the table to the right and represent the average claims cost for each age. On average, younger retirees cost less and older retirees cost more.

Annual Medical Cost By Age		
Age	Non-Medicare	Medicare
47	\$7,399	N/A
52	\$9,901	N/A
57	\$13,250	N/A
62	\$17,731	N/A
67	N/A	\$8,181
72	N/A	\$9,139
77	N/A	\$9,634
82	N/A	\$9,877
87	N/A	\$10,126

The aging factors must be used in order to determine the average claims cost at different ages. For example, to determine the average claims cost for a 68-year-old, the 67-year-old aging factor would be applied to the 67-year-old cost [$\$8,181.30 * (1 + .025)$]. This formula results in a 68-year-old retiree cost of \$8,385.84. The aging factors can be seen below.

Aging Factors	
Age	Aging
0-64	6.0%
65-71	2.5%
72-76	1.2%
77+	0.5%

In addition, Milliman health care actuaries also developed long-term care assumptions in 2007. We rolled the 2007 assumptions forward to the current valuation date. The two types of long-term care are:

1. **Institutional.** Care provided in a nursing home or wing of a hospital designed to provide nursing care services, including:
 - a. Skilled – includes nursing and rehabilitation services that can only be performed by skilled medical personnel; must be under orders of a physician and provided on a 24-hour basis.
 - b. Intermediate – includes continuous treatment not meeting all the requirements for skilled care.
 - c. Custodial – includes assistance in carrying out daily living activities.
2. **Non institutional.** Includes all home health, assisted living facility, and adult day-care services.

The four assumptions dealing with long-term care are the annual cost, the incidence rate (likelihood of entering long-term care), the length of stay, and the inflation rate (previously mentioned). The three tables below show the expected cost for long-term care, the incidence rates, and the expected length of stay. These tables can be interpreted as follows: A 62-year-old LEOFF 1 member has a 0.2 percent chance of entering institutional care this year. If the member enters institutional care this year, the member will be expected to stay 29 months and it will cost \$6,868 per month, increased by 4.5 percent per year for inflation in the second and third years.

Monthly Long-Term Care Costs	
	LTC
Institutional	\$6,868
Non Institutional	\$4,024

Long-Term Care Incidence Rates		
Age	Institutional Care	Non Institutional
45	0.06%	0.28%
55	0.13%	0.55%
62	0.20%	0.97%
67	0.39%	1.40%
72	0.80%	2.30%
77	2.05%	5.11%
82	4.00%	8.13%
87	8.36%	10.55%
92	14.72%	11.82%
97	18.92%	11.82%

Long-Term Care Duration (Months)		
Age	Institutional Care	Non Institutional
45	28	16
55	29	15
62	29	14
67	23	11
72	19	9
77	19	7
82	18	6
87	16	5
92	14	5
97	11	5

Demographic Assumptions

Demographic assumptions include rates of decrement (retirement, termination, disability, and mortality) as well as participation percentage and Medicare coverage. The rates of decrement are the same as those used in the June 30, 2009, AVR for LEOFF 1.

Participation percentage refers to how many current members will elect to utilize the free medical coverage. Medicare coverage refers to how many retirees will join Medicare at age 65; the medical assumptions developed by Milliman in 2007 assumed 100 percent. We did not change these assumptions for this valuation. These assumptions can be seen in the table to the right.

Demographic Assumptions	
	LEOFF 1
Participation Percentage	100%
Medicare Coverage	100%

These assumptions can be seen in the table to the right.

Summary of Plan Provisions

Retirees' access to retiree medical depends on meeting the retirement or disability eligibility of LEOFF 1. The table to the right shows the retirement and disability eligibility for LEOFF 1.

Retirement Eligibility By System		
System	Retirement Eligibility	
	Years Of Service	Age
LEOFF 1 Retirement	5	50
LEOFF 1 Disability*	5	Any

*Upon approval by local disability board

Each disability board has the discretionary power to determine which costs they will reimburse and which costs they will not reimburse. However, there is a list of minimum services for which they must reimburse the retiree.

- ◆ Hospital board and room not to exceed semi-private, unless condition requires otherwise.
- ◆ Hospital services, other than board and room.
- ◆ Fees for:
- ◆ Licensed physicians or surgeons.

- ◆ Licensed osteopaths.
- ◆ Licensed chiropractors.
- ◆ Charges of a registered graduate nurse.
- ◆ Physician-prescribed drugs and medications.
- ◆ X-ray, radium, and radioactive isotopes therapy.
- ◆ Anesthesia and oxygen.
- ◆ Rental of durable medical and surgical equipment.
- ◆ Artificial limbs and eyes; and casts, splints, and trusses.
- ◆ Professional ambulance services to transport to or from a hospital.
- ◆ Dental charges resulting from accidental injury to the teeth if treatment is commenced within zero days of the accident.
- ◆ Nursing home confinement or hospital extended care facility.
- ◆ Physical therapy by a registered physical therapist.
- ◆ Blood transfusions.
- ◆ Licensed optometric examination.

Glossary

Actives

Members who are currently employed.

Actuarial Accrued Liability (AAL)

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

Experience, from one year to the next, which differs from that assumed will result in an actuarial gain or loss. For example, an actuarial gain would occur if less members retired than assumed.

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). It is common for actuaries to select an actuarial valuation method that smoothes the effects of short term volatility in the market value of assets.

Annual Required Contributions (ARC)

Annual required contribution: refers to a GASB disclosure requirement. The ARC is the annual contribution that will fund the current active and inactive members' medical benefits by the end of their working lifetimes. It can be calculated as a level dollar amount or a percent of payroll on a year to year basis.

Actuarial Valuation Report (AVR)

Created annually to monitor the State's pension plans.

Decrement

The mode in which a member leaves employment. Examples include retirement, termination, disability, or death.

Funded Ratio

The ratio of a plan's assets to its accrued liabilities. There are several acceptable methods of measuring a plan's assets and liabilities. In financial reporting, funded status is reported using consistent measures by all governmental entities. According to GASB, one acceptable method of calculating the funded ratio is to divide the actuarial value of assets by the actuarial accrued liability calculated under PUC (see below).

Governmental Accounting Standards Board (GASB)

Refers to the private, nonpartisan, nonprofit organization that works to create and improve the rules U.S. state and local governments follow when accounting for their finances and reporting to the public.

Inactives

Retired members or terminated members entitled to a benefit.

Net OPEB Obligation (NOO)

Refers to the GASB disclosure requirement on the balance sheet. It is the cumulative difference between the annual OPEB cost and the actual contributions.

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.

Other Post-Employment Benefits (OPEB)

Refers to benefits offered to retirees besides a pension and includes, among other benefits, prescription drug insurance, dental insurance, and long-term care insurance.

Present Value of Fully Projected Benefits (PVFB)

Computed by projecting the total future benefit cash flows from the plan, using actuarial assumptions (i.e., probability of death, retirement, salary increases, etc.), and discounting the cash flows to the valuation date using the assumed valuation interest rate.

Projected Unit Credit (PUC) Funding Method

The PUC funding 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 to be earned in the current plan year.

Unfunded Actuarial Accrued Liability (UAAL)

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



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