

Today's Presentation

- Background on pension funding
- Review of actuarial cost methods
- Benefits of each cost method
- How cost methods compare under the 2017 Actuarial Valuation Report
- Possible Board action today

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Background On Pension Funding

- Defines how to accumulate assets to pay for the plan benefits
- Two key components
 - Actuarial cost method (Part I)
 - Allocates pension costs to different time periods
 - Different cost methods vary in how quickly they fund the plan
 - Produce rates that fully fund the plan
 - Board funding policy (Part II)
 - Helps Board achieve specific funding goals



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Every Cost Method Includes Past And Future Costs

- Past costs
 - The cost of any past experience that is different than expected
 - Actuarial gains and losses
 - Changes to plan provisions or assumptions
- Future costs
 - The cost of next year's benefits all active members are expected to earn

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Common Cost Methods Used In Public Pensions

- Entry Age Normal (EAN) Cost Method
 - Calculates two separate contribution rates
 - Past costs = UAAL
 - Requires an amortization policy
 - Future costs = Entry Age Normal Cost
- Aggregate Cost Method
 - Rolls both the past and future costs into one contribution rate = Aggregate Normal Cost



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Why Might The Board Choose The Aggregate Or Entry Age **Normal Cost Method?**

- Aggregate Cost Method
 - Used for all other Washington State retirement plans (RCW 41.45.060)
 - One contribution rate that rolls all plan costs together
 - No UAAL (or surplus) amount separately identified and requiring an amortization policy
 - Has provided a solid foundation for LEOFF 2 historical funding
- Entry Age Normal Cost Method
 - Potential for increased consistency with policies and other pension plans
 - One component of cost method is used in the Board's minimum rate funding policy
 - Used by majority of public pension plans nationally
 - Results under this method used in financial reporting, as required by **GASB**

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How Do These Two Cost Methods Compare?

■ Using results from the 2017 Actuarial Valuation Report

Member Contribution Rate					
Aggregate		Entry Age Normal			
		(A) Normal Cost	8.59%		
		(B) UAAL*	(2.57%)		
Aggregate Rate	6.44%	EAN Rate (A+B)	6.02%		
*UAAL amortized over a 15-year period.					

- LEOFF 2 has assets in excess of accrued (earned) benefits
 - Past experience has been better than expected = actuarial gains
 - Results in negative UAAL rate
 - The UAAL rate is amortizing past costs/(savings) over 15-year period

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EAN Cost Method – UAAL Amortization Period

EAN Cost Method - Member Contribution Rate				
	UAAL Amortization Period			
	10-Year	15-Year	20-Year	
Normal Cost	8.59%	8.59%	8.59%	
UAAL	(3.21%)	(2.57%)	(2.31%)	
Total EAN Rate	5.38%	6.02%	6.28%	

- Selecting amortization period is important component of EAN cost method
 - Determines how quickly or slowly the UAAL is recognized
- Longer amortization period reduces UAAL rate
 - Longer time period to draw down past costs

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How Could A Minimum Rate Policy Impact Results?

Member Contribution Rate					
Aggregate	Entry Age Normal				
	(A) Normal Cost	8.59%			
	(B) UAAL	(2.57%)			
Aggregate Rate 6.44%	EAN Rate (A+B)	6.02%			
Minimum Rate 8.59%	Minimum Rate	8.59%			

- Minimum rate is equal to Normal Cost (future costs) of Entry Age Normal cost method
 - Based on the 2017 valuation, Minimum rate is greater than rate under Aggregate or Entry Age Normal cost methods
 - The Board adopted the minimum rate for the 2019-21 and 2021-23 Biennia

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How Do Rates Compare If Funded Status Falls Below 100%?

Member Contribution Rate With Lower Assets					
Aggregate		Entry Age Normal			
		(A) Normal Cost	8.59%		
		(B) UAAL*	1.09%		
Aggregate Rate 9.	.42%	EAN Rate (A+B)	9.68%		
*UAAL amortized over a 15-year	ar period.				

- In this example we reduced the asset value by \$1.25 billion
 - This reduces funded status to about 96%
- If funded status falls below 100%, Aggregate and Entry Age Normal Cost methods produce rates above minimum rates
 - Both cost methods will automatically adjust to rates required to get the plan back on track for full funding

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Summary And Next Steps

- Each cost method, along with appropriate funding policies, provides a reasonable approach to plan funding
- Either cost method, along with funding policies, can achieve the Board's goals
- Board has opportunity to affirm the current cost method or adopt new actuarial cost method
 - Today or at a future Board meeting
- Funding policy discussion at the October Board meeting
- OSA available to answer questions or provide additional analysis



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Questions?



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