

# **Today's Presentation**

- Purpose of the 2009 Valuation
- Comments on 2009 results
- Changes since last valuation
- Projected contribution rates
- Next steps
- No Board action needed today



Office of the State deaper

## June 30, 2009, Actuarial Valuation Report

- Contribution rate-setting valuation
  - Board adopts rates for ensuing biennium
- Calculate contribution rates to adequately fund future benefits
  - Update data and assets
  - Include 2010 legislation
- Check funding progress
- Ensure underlying assumptions remain reasonable
- A "single point-in-time" or snap-shot



O:\LEOFF 2 Board\2010\6-16-10\Preliminary\_AVR\_Results.pptx

.

#### **Comments On 2009 Results**

- -22.84 percent return on market value of assets
- 5.72 percent return on actuarial value of assets
- Required member contribution rates increased from 7.23 percent to 7.33 percent
- Funded status decreased from 133 percent to 129 percent
- Experience study performed for disability assumption



Office of the State Beauty

## **Changes In Participant Data From Last Valuation**

LEOFF 2	2008	2009
Number of actives	16,626	16,951
Average annual salary	\$80,889	\$85,097
Average attained age	41.2	41.6
Average service	12.3	12.7
Number of annuitants	1,134	1,367

Classical charles and a service

O:\LEOFF 2 Board\2010\6-16-10\Preliminary\_AVR\_Results.pptx

# **Liabilities Updated**

- Includes updated participant data
- Includes 2010 pension legislation
  - Addressing Duty-Related Death Benefits for Public Safety Employees (EHB 2519, C 261 L 10)
- Excludes medical benefits
  - 2010 legislation for Catastrophic Disability Medical Insurance (SHB 1679, C 259 L 10)
  - Liabilities for PEBB survivor benefits removed from 2009 valuation
  - 401(h) rate adopted separately



Office of the State Beauty

Changes In	Liabilities	From	Last	Valuation
		LEOFE	2	

LEOFF 2		
(\$ in millions)	2008	2009
Present Value of fully projected benefits*	\$6,596	\$7,366
Projected Unit Credit liability**	\$3,786	\$4,325
Valuation interest rate	8.00%	8.00%

<sup>\*</sup>Today's value of all future plan benefits for current members.

Chiling of the fleres designing

O:\LEOFF 2 Board\2010\6-16-10\Preliminary\_AVR\_Results.pptx

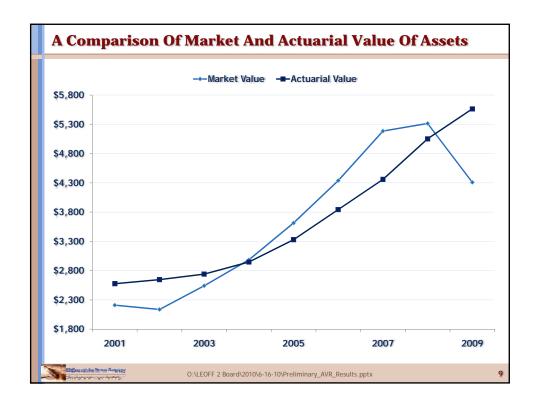
## **Update Asset Values**

- Market Value of Assets (MVA) reported by WSIB
- Calculate 2009 asset gain (or loss) based on 8 percent expected return
- Develop Actuarial Value of Assets (AVA) by smoothing past and current asset gains (or losses)
  - Smooth gain (or loss) over a period up to eight years
  - AVA limited to 30 percent "corridor" around MVA
  - Smoothing method reduces contribution rate volatility

Office of the State Report

O:\LEOFF 2 Board\2010\6-16-10\Preliminary\_AVR\_Results.pptx

<sup>\*\*</sup>Today's value of all future plan benefits that have been earned by current plan members.



LEOFF 2		
(\$ in millions)	2008	2009
Actuarial value (AV)	\$5,053	\$5,564
Market value (MV)	\$5,315	\$4,309
Ratio (AV ÷ MV)	95%	129%
Contributions less disbursements*	\$200	\$216
Investment return	(\$70)	(\$1,223)
Return on assets**	(1.22%)	(22.84%)
*Includes transfers, restorations, and payables. **Time-weighted return on market value of assets.		
O:\LEOFF 2 Board\2010\6-16-	10\Preliminary_AVR_R	esults.pptx

## **Background on Contribution Rates**

- Start with rate calculated under Aggregate funding method
  - "Aggregate" rates
- Apply minimum (rate floor)
  - "Minimum" rates



Gallen cit cine fermer formany

O:\LEOFF 2 Board\2010\6-16-10\Preliminary\_AVR\_Results.pptx

#### **Minimum Rates**

- Based on 90 percent of normal cost under Entry Age Normal funding method
  - Entry age normal cost (EANC)
- EANC represents long-term cost of plan if
  - benefits don't change
  - all assumptions are realized
- Board adopted contribution rates for 2011-13 based on 100 percent of EANC
  - Rates adopted for two biennia (8.45 percent)
  - Policy decision to provide rate stability



O:\LEOFF 2 Board\2010\6-16-10\Preliminary\_AVR\_Results.pptx

#### **2011-13 Contribution Rates**

- 2011-13 required contribution rates include
  - rate floor (90 percent EANC)
  - 2010 pension legislation

	LEOFF 2	
Member Rates	2008	2009
Aggregate Rate	4.68%	5.21%
EANC Rate	8.03%	8.14%
90% EANC Rate	7.23%	7.33%

College of the ferrer desirably

O:\LEOFF 2 Board\2010\6-16-10\Preliminary\_AVR\_Results.pptx

13

# Why Did Contribution Rates Change?

- Major sources of gain/loss
  - Growth in membership; increased rates
  - Asset loss; increased rates
  - Disability assumption changes; increased rates
  - Additional contributions from "minimum rates"; decreased rates
- All sources of gain/loss reported in final AVR

Office of the State Actives

O:\LEOFF 2 Board\2010\6-16-10\Preliminary\_AVR\_Results.pptx

#### **Funded Status Is A Measure Of Plan Health**

Funded status =

Actuarial Value of Assets
divided by
Today's Value of Earned Benefits

If the funded status exceeds 100 percent, the plan has more than \$1 of assets for every \$1 of earned benefits

Children mit eine finnen ihrennen ge-

O:\LEOFF 2 Board\2010\6-16-10\Preliminary\_AVR\_Results.pptx

15

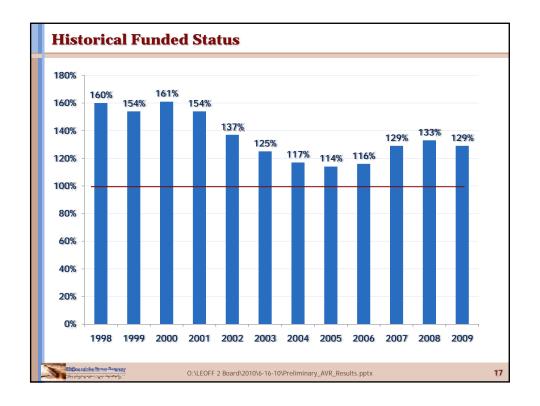
## **Changes In Funded Status From Last Valuation**

LEOFF	2	
(\$ in millions)	2008	2009
Projected Unit Credit liability*	\$3,786	\$4,325
Actuarial value of assets	\$5,053	\$5,564
Unfunded liability	(\$1,266)	(\$1,239)
Funded status	133%	129%

\*This method is used for reporting the plan's funded status and is not used for calculating required contribution rates.

Office of the State Acres

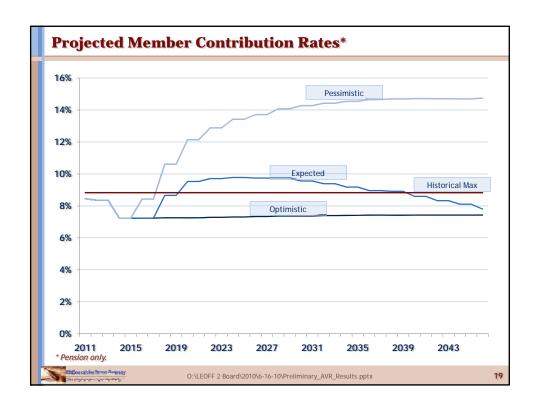
O:\LEOFF 2 Board\2010\6-16-10\Preliminary\_AVR\_Results.pptx



## **Actuarial Valuation Results Are Snapshot In Time**

- Measurement based on a "single point-in-time"
- Things will change in the future
- Full effects of Great Recession will emerge over time
- Consider where rates are headed before you adopt 2011-13 rates
  - Projected contribution rates

O:\LEOFF 2 Board\2010\6-16-10\Preliminary\_AVR\_Results.pptx

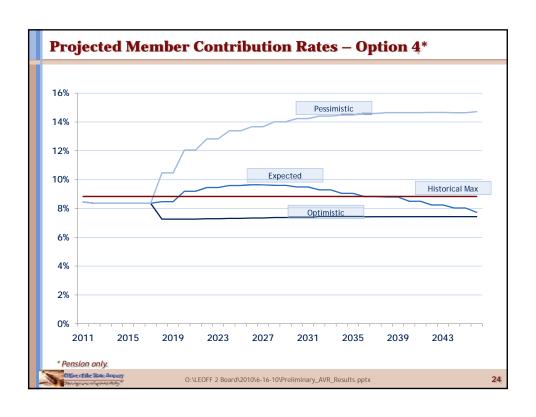




Member Rate         2011-13         2011-13         2011-13         2011-17           Pension Rate         7.33%         8.14%           Estimated 401(h) Rate*         0.09%         0.09%           Total         7.42%         8.23%         8.45%         8.45%           Final rates will be calculated following adoption of disability assumptions and funding policy		Option 1	Option 2	Option 3	Option 4
Pension Rate 7.33% 8.14% Estimated 401(h) Rate* 0.09% 0.09%  Total 7.42% 8.23% 8.45% 8.45  Final rates will be calculated following adoption of disability assumptions and funding policy	Member Rate				2011-17
Total 7.42% 8.23% 8.45% 8.45 Final rates will be calculated following adoption of disability assumptions and funding policy		7.33%	8.14%		
Total 7.42% 8.23% 8.45% 8.45  Final rates will be calculated following adoption of disability assumptions and funding policy decisions.	Estimated 401(h) Rate*	0.09%	0.09%		
Final rates will be calculated following adoption of disability assumptions and funding policy	Total.	7.42%	8.23%	8.45%	8.45%

	Option 1	Option 2	Option 3	Option 4
Local Employer Rate	2011-13	2011-13	2011-13	2011-17
Pension Rate	4.40%	4.88%		
Estimated 401(h) Rate*	0.06%	0.06%		
Total	4.46%	4.94%	5.07%	5.07%
decisions.	onowing adoption	n of disability ass	umptions and fui	nding policy
	опочту адорског	n o <u>į</u> aisability ass	umptions and fui	nding policy

	Option 1	Option 2	Option 3	Option 4
State Rate	2011-13	2011-13	2011-13	2011-17
Pension Rate	2.93%	3.26%		
Estimated 401(h) Rate*	0.03%	0.03%		
Total	2.96%	3.29%	3.38%	3.38%
decisions.				



# Next Steps Receive au

- Receive audit report from outside actuary in July
- Receive final valuation results from OSA
- Adopt contribution rates by July 31
  - Pension contribution rates effective July 1, 2011
  - Supplemental contribution rates effective September 1, 2010
  - 401(h) contribution rates pending funding policy decisions

