Results of Actuarial Valuation and Demographic Experience Study



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Today's Presentation

- Recap of results from latest experience study and actuarial valuation
 - Full presentation provided in June
- Budget impact of assumption changes and updated contribution rates
- Managing budget and rate impacts



Results Are Final

- Concurrent actuarial audit now complete
- No changes to preliminary results
- Final reports available this fall and will reflect PFC action



Summary Of Updates To Current Assumptions From Experience Study

Mortality

- Changes to reflect lower mortality rates since last study
- Updates to projected increases in life spans
- Increases short-term costs
- Most significant assumption change in this experience study

Retirement

- Changes to reflect later retirement; except in WSPRS
- Decreases short-term costs

Termination

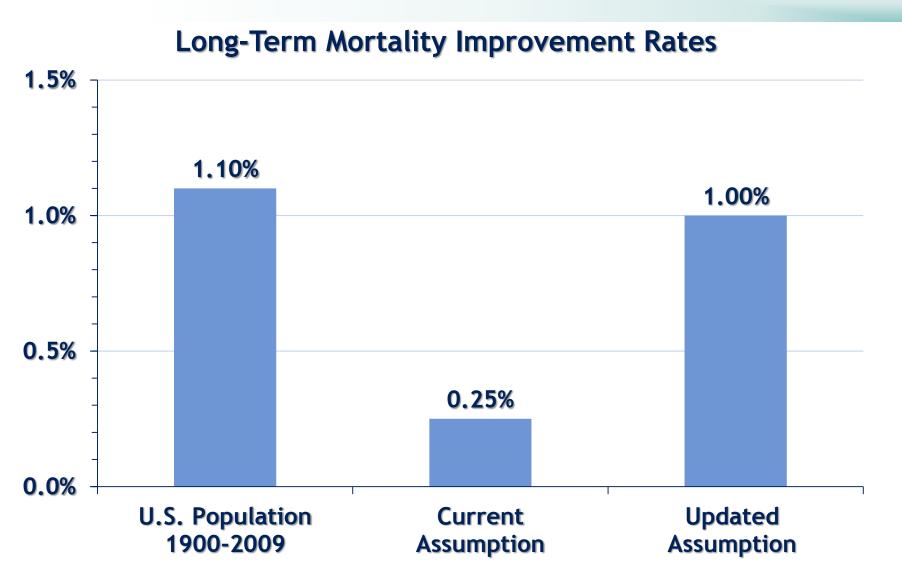
- Changes to reflect fewer early career terminations; except TRS
- Changes to reflect more late career terminations (20+ YOS)
- Decreases short-term costs (due to TRS changes)

Summary Of Updates To Current Assumptions From Experience Study (Continued)

- Disability
 - Minor adjustments made to most plans
- Salary increases
 - Changes to "service based" salary increase assumptions
 - Lowered early career increases and increased/extended salary scale
 - Increases short-term costs
- Miscellaneous assumptions
 - Increases short-term costs
- Supporting data provided in Attachments A-G from June meeting



Current Assumption Less Than One Quarter Of Observed Long-Term Improvement in U.S.

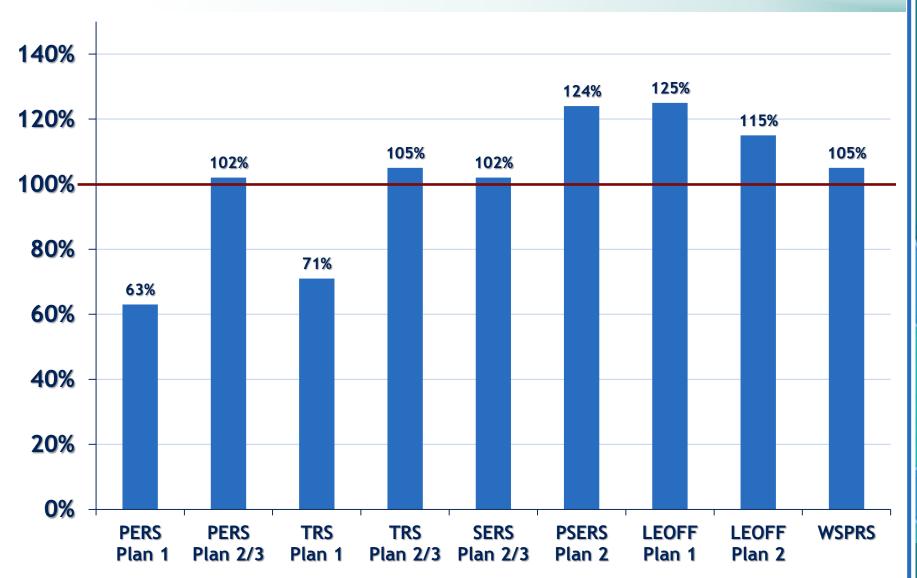


Funded Status – All Plans Combined

	Funded Status at June 30					
		2013	2012			
		After ExpStudy	Before ExpStudy			
(Do	llars in Millions)	7.8% ExpROR	7.9% ExpROR			
All Systems						
a.	Accrued Liability	\$69,828	\$62,578			
b.	Market Value of Assets	62,213	56,753			
c.	Deferred Gains/(Losses)	(3,245)	(6,369)			
d.	Actuarial Value of Assets (b-c)	65,458	63,122			
e.	Unfunded Liability (a-d)	\$4,370	(\$544)			
f.	Funded Ratio (d/a)	94%	101%			

Note: Totals may not agree due to rounding.

Funded Status Above 100 Percent For All Open Plans



2015-17 And 2017-19 Budget Impacts

Increase Above 2013-15 Current Law Budget*					
	Before ExpStudy 7.9% ExpROR	7.8% ExpROR Only	ExpStudy Changes Only	After ExpStudy 7.8% ExpROR	
(Dollars in millions)	Α	В	С	A+B+C	
2015-2017					
General Fund	\$125	\$50	\$307	\$482	
Non-General Fund	\$26	\$29	\$141	\$196	
Total State	\$150	\$79	\$449	\$678	
Local Government	\$108	\$71	\$377	\$556	
Total Employer	\$258	\$150	\$826	\$1,233	
Total Employee	\$4	\$75	\$328	\$408	
2017-2019					
General Fund	\$138	\$54	\$337	\$529	
Non-General Fund	\$28	\$31	\$152	\$211	
Total State	\$165	\$85	\$489	\$740	
Local Government	\$118	\$77	\$410	\$604	
Total Employer	\$283	\$163	\$899	\$1,344	
Total Employee	\$5	\$83	\$362	\$449	

^{*}Excludes LEOFF 2. Budget impacts reflect difference between current contribution rates and the rates from the preliminary 2013 AVR only.

Totals may not agree due to rounding.

2015-17 Employer Contribution Rates*

Total Employer Contribution Rates					
	Current	Before ExpStudy 7.9% ExpROR	Before ExpStudy 7.8% ExpROR	After ExpStudy 7.8% ExpROR	
PERS	9.03%	9.47%	9.95%	12.29%	
TRS	10.21%	11.60%	11.92%	14.47%	
SERS 2/3	9.64%	10.26%	10.75%	12.88%	
PSERS 2	10.36%	10.40%	10.72%	12.07%	
LEOFF 1	0.00%	0.00%	0.00%	0.00%	
WSPRS 1/2	7.91%	7.68%	7.84%	8.79%	

^{*}Excludes current administrative expense rate of 0.18%.

2015-17 Member Contribution Rates

Member Contribution Rates					
		Before ExpStudy	Before ExpStudy	After ExpStudy	
	Current	7.9% ExpROR	7.8% ExpROR	7.8% ExpROR	
PERS 2	4.92%	4.95%	5.33%	7.00%	
TRS 2	4.96%	4.93%	5.25 %	6.79%	
SERS 2	4.64%	4.85%	5.24%	6.70%	
PSERS 2	6.36%	5.99%	6.21%	6.89%	
LEOFF 1	0.00%	0.00%	0.00%	0.00%	
WSPRS 1/2*	6.59%	6.36%	6.52%	7.19%	

^{*}WSPRS maximum employee rate is 7.19%

Managing Budget And Rate Impacts

- PFC and Legislature may consider short-term funding policy changes to manage the short-term impacts of assumption changes
- Balancing act
 - Pay now or pay more later
 - Finding the sweet spot; affordable now and later
- Options to manage budget and rate impacts
 - Recognize full cost and rate increases from assumption changes now; or
 - Spread cost of assumption changes over more than one biennium

