

NORTH CAROLINA COMMITTEE ON ACTUARIAL VALUATION OF RETIRED EMPLOYEES' HEALTH BENEFITS

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David Berger, ASA, FCA, MAAA

Vice President and Associate Actuary

dberger@segalco.com

Ken Vieira, FSA, FCA, MAAA Senior Vice President and Consulting Actuary kvieira@segalco.com

OPEB Actuarial Valuation Update Topics

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- **4** Other Items and Committee Concerns
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Valuation Purpose

- >GASB 45 (GASB 75 next year)
 - Measure State Obligations to provide other postemployment benefits (OPEB)
 - Determine the Annual Required Contribution (ARC) and annual OPEB cost (AOC) for fiscal 2017, and the basis for the Actuarially Determined Contribution (ADC) and OPEB Expense for fiscal 2018
 - Provide exhibits useful for preparing required financial statement recognition and disclosure items
 - Provide exhibits useful for OPEB plan reporting (GASB 74 this year)

Financial Projections

 Project assets, obligations, benefit payments, contributions for up to ten future years

Valuation Measurement Dates

- Prior valuation: December 31, 2015 (the "2015 valuation")
- This valuation: December 31, 2016 (the "2016 valuation")

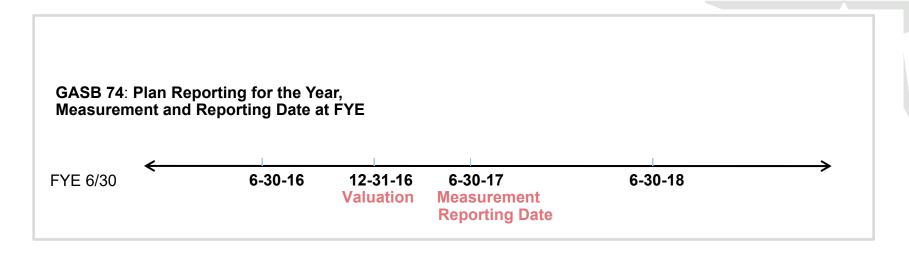


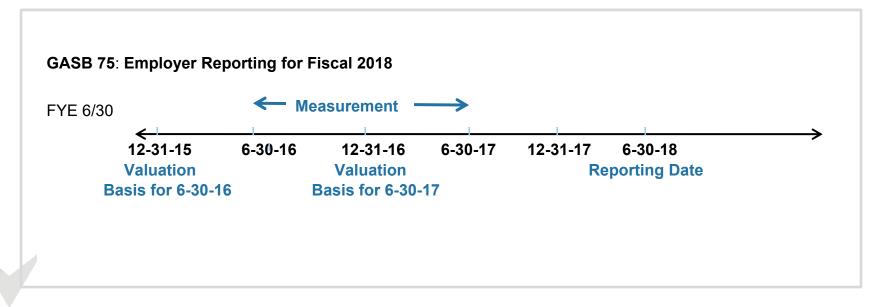
Fiscal 2017 OPEB Expense

- >Still based on GASB 45
- >We will measure the expense for fiscal 2018 on a different method based on this valuation as well

GASB 45 Balance Sheet	GASB 75 Balance Sheet
6/30/2016 Net OPEB Obligation	6/30/2016 Net OPEB Liability
Less Employer Contributions	Less Employer Contributions
Plus Expense	Plus Expense
	Plus Deferrals
6/30/2017 Net OPEB Obligation	6/30/2017 Net OPEB Liability
	Recognized one year in arrears

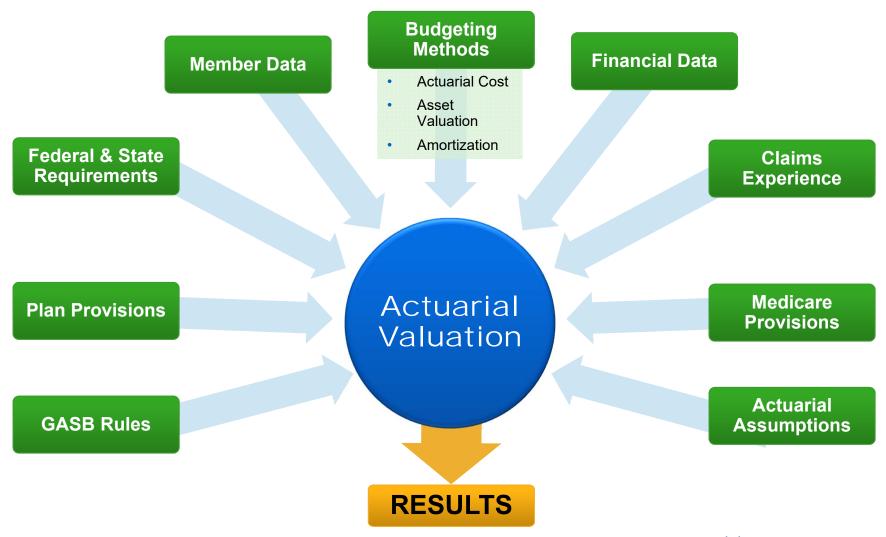
GASB 74/75 Implementation Timeline





Valuation Process

OPEB VALUATION BASICS



Key Valuation Calculation Components

- Budgeting Methods for Expense
 - Actuarial cost method
 - Projected Unit Credit for fiscal 2017
 - Entry Age Normal for fiscal 2018
 - Asset valuation method
 - Market Value for fiscal 2017
 - Gains and losses smoothed for fiscal 2018 expense
 - Unfunded Liability amortization method
 - 30-Year open level percent of pay for fiscal 2017
 - Plan changes are immediate, asset gains and losses are over 5 years, and other changes are over 6 years for fiscal 2018
 - Discount Rate
 - Based on funding policy (and expected long-term return) for fiscal 2017
 - For GASB 74/75, the 20-yr General Obligation Bond Index at the June 30 **Measurement Date**
 - Some changes in the valuation of benefit liabilities with regard to administrative expenses and the ACA Excise Tax

- Economic Assumptions
 - Discount rate
 - 2015 valuation: 4.25%
 - 2016 valuation: Discussion
 - Trend rates
 - 2015 valuation:
 - > 6.00% ⇒ 5.00% by 2020 for medical coverages
 - > 10.50% \$\ightarrow\$ 5.00% by 2028 for prescription drug coverages
 - > 7.00% \$\infty\$ 5.00% by 2024 for Medicare Advantage coverages
 - 2016 valuation
 - Beginning trend will be determined based on plan changes and calendar 2018 premiums
 - Suggested ultimate trend is 4.50%
 - Interim values are coordinated with short-term budget projections
 - Higher initial prescription drug trend is driven by specialty drug, compounded medications and an ever-increasing pipeline



- Inflation
 - 2015 valuation: 3.50%
 - 2016 valuation: Discussion
- Salary growth
 - New for GASB 74/75
- Payroll growth
 - 2015 valuation: 3.50%
 - 2016 valuation: Discussion (used 2.75% for GASB 68)
- Expense rates
 - 2015 valuation \$301 per participant
 - 2016 valuation based on recent experience
- Employer contribution growth (for projections)
 - 2015 valuation: Track payroll growth
 - 2016 valuation: Track payroll growth -- assuming 5.82% of pay State contribution



- Salary growth
 - Mirrors the Pension Valuation
 - Separate rates based on job classification and service

Service	0	5	10	15	20	Ultimate
Teachers	7.55%	6.05%	5.10%	4.35%	3.65%	3.55%
General	5.50%	4.05%	4.00%	3.50%	3.50%	3.50%
Law Enforcement	8.10%	6.10%	4.40%	3.95%	3.65%	3.50%

- Demographic Assumptions—Derived From Pension Valuations
 - Pre-retirement mortality
 - Post-retirement mortality
 - Turnover
 - Disability
 - Retirement
 - Percent married
 - Spouse age difference
- Last experience update in 2015 based on five years ending December 31, 2014



- Health Assumptions
 - Claims costs
 - 2015 valuation: Based on experience analysis (adjusted for plan changes)
 - 2016 valuation: Based on experience analysis (adjusted for plan changes)
 - Participation rates
 - Retiree 100%
 - Spouse 10%
 - Expected Medicare status
 - 100% eligible



- Expected Coverage Election
 - Prior valuation short-term financial projections:

	Non-Medicare Retiree			Medicare Retiree			
Year	Traditional	CDHP	Enhanced	Traditional	MA Base	MA	
						Enhanced	
2016	37.0%	2.4%	60.5%	26.1%	61.1%	12.7%	
2017	34.5%	5.6%	59.8%	24.6%	62.3%	13.0%	
2018	33.5%	6.1%	60.3%	23.6%	63.3%	13.0%	
2019	32.5%	6.6%	60.8%	22.6%	64.3%	13.0%	
2020	31.5%	7.1%	61.3%	21.6%	65.3%	13.0%	
2021	30.5%	7.6%	61.8%	20.6%	66.3%	13.0%	

• 2016 valuation – Migration assumption will be simplified versions of the assumptions used for financial projections

- Morbidity
 - 2015 valuation—Segal table
 - 2016 valuation—Segal table
- Retiree contributions
 - 2015 valuation: Grow with trend
 - 2016 valuation: Grow with trend
- 2020 Excise tax exposure
 - 2015 valuation: No provision
 - 2016 valuation: Required for GASB 75



- > Excise tax details
 - Effective 2020
 - 40% tax on value in excess of thresholds
 - Thresholds
 - \$10,900 individual
 - \$29,400 family
 - Add \$1,650 individual (\$3,450 family) for certain Early retirees and high-risk professions
 - Most plans will eventually owe the tax
 - Accounting for this tax is optional under GASB 45 but will be required under the new GASB 75
- > Plan changes
 - 2017 were included in the prior valuation
 - We will reflect the 2018 changes in this valuation by adjusting the Trend

Other Items and Committee Concerns

- >Questions or concerns from previous valuations of which Segal should be aware
- >Other State changes or directions that need to be reflected in this valuation



Data Needed for Valuation

- Census (Retirement Plan Valuation Data received)
- Health Plan Participation (SHP-SAS)
- Claims (SHP-SAS & Claims Reports)
- Enrollment (SHP-SAS & Reports)
- > Expenses
- > Premiums
- Retiree Contributions
- > Employee Contributions
- > 12/31/2016 & 6/30/2017 Trust Statements (Retirement System)
- Summary of Plan Provisions



Timing—Milestones

- ➤ 6/13—meeting with Actuarial Committee
- > 6/29—all non-financial data acquired by Segal
- ➤ 8/08—all financial data acquired by Segal
- > 8/15—draft report
- > 8/29—final report
- September—presentation/ discussion with Committee

GASB Statement Nos. 74 and 75

- In June 2015, GASB released two final Statements related to Other Postemployment Benefits (OPEB)
 - Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions (Released as GASB Statement No. 75)
 - Supersedes the requirements of GASB Statements No. 45 and No. 57
 - Deals with employer reporting
 - Effective for fiscal years beginning after June 15, 2017
 - Financial Reporting for Postemployment Benefits Other Than Pension Plans (Released as GASB Statement No. 74)
 - Replaces the requirements of GASB Statement No. 43 and No. 57
 - Also includes requirements for defined contribution OPEB plans that would replace the requirements for these plans in GASB Statements No. 25, No. 43, and No. 50
 - Proposes new standards for financial reporting for OPEB benefit plans
 - Effective for fiscal years beginning after June 15, 2016



Questions

