# Coping with the Realities of GASB 67 and 68 



ASPPA ${ }^{\circledR}$ College of Pension Actuaries
Part of the American Retirement Association

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## What We Will Cover

- GASB Statements 67 and 68
- Significant changes
- Disclosures
- Overview/implementation of GASB 68
- Address practical issues
- Examples


## Plans Subject to GASB Statement 68

- DB pension plans provided through trusts that meet the following criteria:
- Employer/non-employer contributions irrevocable
- Plan assets dedicated to providing pensions
- Plan assets legally protected from creditors


## Plans Subject to GASB Statement 68

- Applies to employers and non-employer contributing entities that have legal obligation to make contributions directly to a pension plan
- Special funding situations
- Other circumstances


## Types of Plans

- Requirements depend on type of plan
- Single-employer pension plan
- Pensions provided to employees of only one employer
- Agent multiple-employer pension plan
- Plan assets pooled for investment purposes, separate accounts maintained for each employer
- Employer's share of assets can only be used to pay benefits of its employees


## Types of Plans

- Cost sharing multiple-employer pension plan
- Plan assets are pooled for all purposes
- Assets are used to pay benefits of the employees of any employer


## Key Definitions

- TPL - Portion of actuarial PV of projected benefit payments that is attributed to past periods of member service
- NPL - Liability of employers and non-employer contributing entities to plan members for benefits provided through a defined benefit pension plan


## Significant Changes

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## Significant Changes

- Effective Dates
- GASB Statement No. 67 - Financial Reporting for Pension Plans
- Effective for FYs beginning after 6/15/13
- GASB Statement No. 68 - Accounting and Financial Reporting for Pensions
- Effective for FYs beginning after 6/15/14


## Significant Changes

- Next on the horizon
- OPEB and pensions not within scope of Statements 67/68


## Significant Changes

- Abbreviations
- TPL - Total Pension Liability
- FNP - Fiduciary Net Position
- NPL - Net Pension Liability
- EAN - Entry Age Normal
- FMV - Fair Market Value


## Significant Changes

- TPL is calculated using uniform funding method-EAN
- NPL recognized on balance sheet


## Significant Changes

- Discount rate function of:
- Expected return
- Rate for 20-year, tax-exempt general obligation municipal bonds
- Sufficiency of projected assets


## Significant Changes

- Accelerated amortization of:
- Plan changes
- Gains/losses
- Assumption changes


## Significant Changes

- Uniform methodology to determine income/expense and balance sheet liability
- Does not require change to funding method or contribution strategy
- Volatility in accounting need not cause change to contribution strategy
- However, determination of discount rate may impact contribution strategy


## Disclosures

## Disclosures

- Plan Description
- Plan name, administrator(s), plan type (i.e., single-employer, agent or cost-sharing)
- Number of participating ers and number of noner contributing entities
- Information regarding plan's board/trustees


## Disclosures

- Plan Description
- Number of participants in each class (i.e., retirees, term vested, actives)
- Authority establishing and description of benefit terms
- Description of contribution requirements for er, non-er contributing entities and participants


## Disclosures

- Plan Investments
- Investment policies, including:
- Procedures for establishing and amending
- Asset allocation policies
- Description of significant investment policy changes during the reporting period


## Disclosures

- Plan Investments
- Description of how FMV is determined
- Identification of investments in any organization that represents five percent or more of plan's NFP
- Annual money-weighted rate of return


## Disclosures

- Significant assumptions (i.e., salary scale, inflation, ad-hoc COLAs) used to measure the TPL
- Source of mortality assumption
- State if assumptions are based on an experience study and date of study


## Disclosures

- Discount rate
- Rate used to determine TPL for current year, change in rate since prior fiscal year
- Assumptions regarding projected cash flows into and out of the plan
- Long-term expected rate of return and description of how it was determined
- If discount rate incorporates a municipal bond rate, rate used and source of rate


## Disclosures

- Discount rate
- Periods that long-term rate of return and municipal bond rate are applied
- Assumed asset allocation and long-term real rate of return for each major asset class
- NPL calculated using discount rate that is one percent higher and one percent lower than the discount rate


## Disclosures

- Ten-year schedule of changes in NPL
- Beginning and ending balances of TPL, NFP and NPL
- Effect on changes to above for each component (i.e., service cost, interest on TPL, change in benefit terms, etc.)
- Cost-sharing plans presented for plan as whole


## Disclosures

- Second ten-year schedule
- TPL
- Plan's NFP
- NPL
- Plan's NFP as percentage of TPL
- Covered payroll
- NPL as percentage of covered payroll
- Cost-sharing plans presented for plan as whole


## Disclosures

- Third ten-year schedule
- Actuarially determined contributions of employer/non-employer contributing entity
- Cost-sharing plans - contractually required contribution of employer/non-employer contributing entity
- Contributions recognized during fiscal year in relation to actuarially determined contribution


## Disclosures

- Third ten-year schedule
- Covered-employee payroll
- Amount of contributions recognized by the plan in relation to the actuarially determined contribution as a percentage of coveredemployee payroll


## Disclosures

- Fourth ten-year schedule
- Annual money-weighted rate of return for each fiscal year


## Overview and

## Implementation of GASB Statement 68

## Key Definitions

- FNP presents the following items as of the end of plan's reporting period
- Assets measured at FMV
- plus
- Deferred outflows of resources
- minus
- Liabilities, such as benefit payments due
- minus
- Deferred inflows of resources


## Asset Reporting

- Assets reported at FMV should be subdivided
- Major categories
- i.e., cash, receivables, investments and assets used for plan operations
- Principal components of receivables
- i.e., er contributions, ee contributions and interest/dividends
- Investment categories
- Asset classes



## Asset Reporting

- Liabilities
- Benefits including refunds of participant contributions
- Recognized when benefits are currently due and payable
- Accrued investment and administrative expenses


## Implementing GASB Statement 68

- Single and Agent Employers
- Balance sheet liability recognized for NPL which is TPL net of plan's FNP
- NPLs associated with different plans can be displayed in aggregate, aggregated liabilities and assets should be displayed separately
- NPL should be measured as of date no earlier than end of prior fiscal year applied consistently from year to year


## Agent Multiple-Employer Plan

- Employers need the following elements to record as of the measurement date:
- TPL less NFP = NPL
- Deferred outflows/inflows based on investment experience
- Deferred outflows/inflows based on changes in assumptions
- Deferred outflows/inflows based actuarial gains and losses
- Pension expense


## Agent Multiple-Employer Plan

- How does participating employer determine and get comfortable that these amounts as of the measurement date are accurate and verifiable?


## Agent Multiple-Employer Plan

- Include supplemental condensed schedule of "changes in FNP" by employer in plan financial statements for which plan auditor is engaged to provide opinion
- Engage plan auditor to issue SOC 1 (type 2) report on allocation of inflows and outflows of plan to individual employer accounts


## NPL: Measurement-Timing

- Potentially three different dates
- FYE
- NPL measurement date
- No earlier than end of prior fiscal year
- TPL and NPL measured as of the same date
- TPL actuarial valuation date
- If not measurement date, date no more than 30 months (plus one day) prior to FYE
- Actuarial valuations at least every two years


## NPL: Measurement—Timing

- Coordination with pension plan
- Measurement date will most likely correspond to yearend of plan. In this case, employers with same yearend as plan must choose measurement date as of their prior or current year-end


## Timing-Example



## Timing-Example




## Timing-Example




## Timing-Example



## Timing-Example



## Timing-Example



## Timing-Example



## Timing-Example



## Timing-Example



## Timing of Measurement of Total Pension Liability

## Deferred

Pension Expense (measurement period)

Outflows of
Resources


Employer contributions made directly by employer subsequent to measurement date of NPL and before the end of the employer's fiscal year should be recognized as a deferred outflow of resources.

## Example

Sample county participates in an agent multiple-employer defined-benefit plan sponsored by an association of counties. Sample county is implementing GASB Statement 68 during the year ended June 30,2015 . The agent plan also has a fiscal year-end of June 30th and implemented the provisions of GASB Statement 67 during the year ended June 30, 2014. Sample county's financial statements are a single-year presentation.

When should be sample county's measurement date? Does it have any options?

## Example (Continued)

In accordance with GASB Statement 68, the measurement date for sample county must be as of a date no earlier than the end of its prior fiscal year. Since sample county and the plan have the same year end, sample county may elect to use June 30, 2014 or June 30, 2015 as the measurement date. However, once selected, the measurement date should be consistently applied from period to period.

## Sample County- Impact of Using Prior Year Measurement Date



## Sample County- Impact of Using Current Year Measurement Date

Pension Expense
(measurement period)


## Selecting Measurement Date

- Use same date for funding valuation
- Use same date for GASB 67 and GASB 68
- Provide lead time for valuation
- Requires contributions made after measurement date to be recognized as a deferred outflow of resources


## NPL: Measurement—General Approach

- Three broad steps
- Project benefit payments
- Discount projected benefit payments to actuarial present value
- Attribute actuarial present value to periods


## NPL: Measurement—General Approach

- Methods and assumptions
- Assumptions in conformity with Actuarial Standards of Practice
- Fewer alternatives than in Statement 27
- No changes required to methods and assumptions used for funding


## NPL: Measurement—Projection

- Benefit terms/agreements at measurement date
- Current active and inactive employees
- Incorporate expectations of:
- Salary changes
- Service credits
- Automatic postemployment benefit changes (including COLAs)
- Ad hoc postemployment benefit changes if substantively automatic


## NPL: Measurement—Discounting

- Single discount rate reflecting
- Long-Term Rate of Return (LTRR) on plan investments, to extent that plan net position:
- Projected to be sufficient to pay benefits
- Plan assets expected to be invested using a strategy to achieve that return
- Rate for 20-year, tax-exempt general obligation municipal bonds to extent that conditions for LTRR not met


## Sufficiency of Projected Plan Net Position

- Includes:
- Employer contributions for current and former employees
- Contributions from current employees
- Projected investment earnings on projected plan net position
- Projected benefit payments and administrative expenses


## Sufficiency of Projected Plan Net Position

- Does not include:
- Employer contributions for service costs of future employees
- Contributions of future employees, unless expected to exceed their own service cost


## Sufficiency of Projected Plan Net Position

- Projections of employer contributions
- Apply professional judgment if amounts established by statute, contract, or formal written policy
- Consider most recent five-year contribution history
- Reflect all known events and conditions


## Sufficiency of Projected Plan Net Position

- Projections of employer contributions
- In other circumstances, projected contributions limited to average over most recent five years
- May be modified by consideration of subsequent events
- Basis for average determined through professional judgment


## Sufficiency of Projected Plan Net Position

- Involve the auditor
- Use five-year average if leads to sufficiency
- Considerations to alternatives to five-year average compensation
- Funding policy
- Budget
- Other formal contribution commitments


## Sufficiency of Projected Plan Net Position

- Funding Policy
- Outline principles that will guide the plan sponsor in making funding decisions about the plan in order to accumulate the funds needed to fulfill the plan's obligations to the participants and beneficiaries


## Sufficiency of Projected Plan Net Position

- Funding Policy
- Annual contribution will be the greater of:
- Level contribution required to fund all current and future benefits promised to current plan participants over the next $\qquad$ years
- The contribution amount determined by the Plan Actuary based on the Statement of Funding Policy adopted by the Board of Trustees


## Discount Rate—Determining Single Rate

- Compare projected benefit payments to plan's projected fiduciary net position in each period
- Apply relevant rate to each period's projected benefit payments
- Total the present values of all projected benefit payments


## Discount Rate—Determining Single Rate

- Calculate single discount rate that results in same present value (if applied to all projected benefit payments) as use of the two rates


## Discount Rate Calculation: Steps

Step 1:
Project benefit payments

Step 2:
Project plan NFP


## Discount Rate Calculation: Steps 1 and 2

| Year <br> (a) | Projected Beginning Fiduciary Net Position (b) | Projected Benefit Payments (c) |  |
| :---: | :---: | :---: | :---: |
| 1 | \$ 1,431,956 | \$ | 109,951 |
| 2 | 1,500,197 |  | 116,500 |
| 3 | 1,565,686 |  | 123,749 |
| 4 | 1,628,547 |  | 131,690 |
| 5 | 1,687,890 |  | 140,229 |
| 6 | 1,742,722 |  | 149,168 |
| 7 | 1,792,194 |  | 158,466 |
| 8 | 1,835,463 |  | 168,332 |
| 9 | 1,871,402 |  | 178,591 |
| 10 | 1,898,930 |  | 189,069 |
| 26 | 547,880 |  | 322,779 |
| 27 | 316,985 |  | 326,326 |
| 28 | 64,800 |  | 328,997 |
| 29 | - |  | 330,678 |
| 30 | - |  | 331,266 |
| 96 | - |  | 1 |
| 97 | - |  | - |

Projected Benefit Payments

| "Funded" | "Unfunded" |
| :---: | :---: |
| Portion of | Portion of |
| Benefit | Benefit |
| Payments | Payments |
| (d) | (e) |
|  |  |

\$ 109,951 \$
116,500
123,749
131,690

140,229

$$
149,168
$$

$$
158,466
$$

178,591
189,069

322,779

| \$ | - | 102,280 |
| :--- | :--- | ---: |
|  | - | 100,811 |
|  | 99,613 |  |


| Present Value of "Funded" Benefit Payments$(\mathrm{f})=(\mathrm{d}) \div(1+7.5 \%)^{(\mathrm{a})}$ |  | Present Value of "Unfunded" Benefit Payments$(\mathrm{g})=(\mathrm{e}) \div(1+4 \%)^{(\mathrm{a})}$ |  | Present Value of Benefit Payments Using the Single Discount Rate$(\mathrm{h})=(\mathrm{c}) \div(1+5.29 \%)^{(\mathrm{a})}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| \$ | 102,280 | \$ | - | \$ | 104,427 |
|  | 100,811 |  | - |  | 105,088 |
|  | 99,613 |  | - |  | 106,019 |



## Discount Rate Calculation: Step 2

| Year | Projected Beginning Fiduciary Net Position (a) |  | Projected Total Contributions (b) |  | Projected Benefit Payments <br> (c) |  | Projected Administrative Expense (d) |  | Projected Investment Earnings (e) |  | Projected Ending Fiduciary Net Position$\text { (f) }=(\mathrm{a})+(\mathrm{b})-(\mathrm{c})-(\mathrm{d})+(\mathrm{e})$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | \$ | 1,431,956 | \$ | 73,211 | \$ | 109,951 | \$ | 1,000 | \$ | 105,981 | \$ | 1,500,197 |
| 2 |  | 1,500,197 |  | 72,204 |  | 116,500 |  | 1,030 |  | 110,815 |  | 1,565,686 |
| 3 |  | 1,565,686 |  | 72,217 |  | 123,749 |  | 1,061 |  | 115,454 |  | 1,628,547 |
| 4 |  | 1,628,547 |  | 72,255 |  | 131,690 |  | 1,093 |  | 119,871 |  | 1,687,890 |
| 5 |  | 1,687,890 |  | 72,189 |  | 140,229 |  | 1,126 |  | 123,998 |  | 1,742,722 |
| 6 |  | 1,742,722 |  | 72,032 |  | 149,168 |  | 1,160 |  | 127,768 |  | 1,792,194 |
| 7 |  | 1,792,194 |  | 71,810 |  | 158,466 |  | 1,195 |  | 131,120 |  | 1,835,463 |
| 8 |  | 1,835,463 |  | 71,519 |  | 168,332 |  | 1,231 |  | 133,983 |  | 1,871,402 |
| 9 |  | 1,871,402 |  | 71,110 |  | 178,591 |  | 1,268 |  | 136,277 |  | 1,898,930 |
| 10 |  | 1,898,930 |  | 70,620 |  | 189,069 |  | 1,306 |  | 137,929 |  | 1,917,104 |

- Include only cash flows associated with current employees
- Cash flows from future employees should not be included, unless those employees contribute more than their own service cost.


## Discount Rate Calculation: Steps (continued)

## Step 3:

In each period, determine whether plan fiduciary net position is projected to be sufficient to make the benefit payments

## Discount Rate Calculation: Step 3



## Discount Rate Calculation: Step 3 (continued)



## Discount Rate Calculation: Step 3 (continued)



## Discount Rate Calculation: Steps (continued)

Step 4:
Calculate the present value of each period's projected benefit payments using the relevant rate.

## Discount Rate Calculation: Step 4



## Discount Rate Calculation: Step 4 (continued)



## Discount Rate Calculation: Steps (continued)

Step 5:
Calculate the sum of:
(a) The present values of projected benefit payments discounted using the LTRR
(b) The present values of projected benefit payments discounted using the bond index rate

## Discount Rate Calculation: Step 5



## Discount Rate Calculation: Steps (continued)

## Step 6:

Determine the single discount rate that, if applied to all projected benefit payments, will result in a present value equal to the result of step 5

## Discount Rate Calculation: Step 6



## Determining TPL

- Single and Agent Employers
- EAN used to attribute actuarial PV of projected benefit payments
- Attribution made on individual employee basis
- Employee's service costs should be level as a percentage of that employee's project pay
- Attribution begins with first period the employee's service accrues benefit


## Determining TPL

- EAN used to attribute actuarial PV of projected benefit payments
- Service cost should be attributed through all assumed exit ages, through retirement
- Service cost determined on same benefit terms reflected in employee's actuarial PV of projected benefit payments


## Changes in NPL

- Statement of Changes in NPL
- Changes in NPL recognized in pension expense
- PV of attributed benefit accruals
- Interest on NPL
- PV of change resulting from plan amendment


## Changes in NPL

- Changes in NPL recognized in pension expense
- Amortization of liability gains/losses and assumption change
-Amortized over expected remaining service lives (actives and inactives)
-Remaining service life for inactive is zero
-Changes not recognized in pension expense are reported as deferred inflow/outflow


## Changes in NPL

- Changes in NPL recognized in pension expense
- Five-year amortization of asset gains/losses
-Asset gains/losses not recognized in pension expense should be reported as deferred inflow/outflow


## Pension Expense

- Service Cost
- Interest on TPL
- Amortization
- Amortization of experience gain/loss
- Amortization of asset gain/loss
- Amortization of assumption changes


## Pension Expense

- Impact of change in benefit structure
- Employee contributions
- Expected return on assets
- Administrative expense
- Other changes in FNP


## Cost Sharing Multiple-Employer Plans

- Cost Sharing Employers
- Suggested employer proportionate share of collective NPL $=(1) \div(2) \times(3)$ as follows:
(1) = Employer's projected long-term contribution effort to the plan
(2) = Long-term contribution effort to the plan of all employers
(3) = Collective NPL


## Cost Sharing Multiple-Employer Plans

- Cost Sharing Employers
- Proportionate share of collective NPL determined at measurement date. Use valuation date if contribution is actuarially determined.


## Cost Sharing Multiple-Employer Plans

- Cost Sharing Employers
- Proportionate share of pension expense, deferred outflows and deferred inflows should be determined using employer's proportion of collective NPL


## Cost Sharing Multiple-Employer Plans

- Cost Sharing Employers
- Changes in employer's proportion of collective NPL since prior measurement date should be amortized in employer's pension expense
- Amortization period is the expected remaining service lives of all employees (active and inactive)


## Cost Sharing Multiple-Employer Plans

- Cost Sharing Employers
- Following are determined using same methodologies as single and agent employers:
- Collective NPL
- Timing and frequency of valuations
- Selection of assumptions
- Projection of benefit payments
- Discount rate



## Example

## Example-Sample County FYE 6/X9



## Pension Expense for FYE 6/X9

Amount
Components:
Service cost ..... 73,034
Interest on TPL ..... 219,345
Amortization of experience (gain)/loss ..... 3,454
Change in assumptions ..... 20,101
Contributions-employee ..... $(31,451)$
Projected earnings on plan investments ..... $(158,625)$
Differences between projected and actual earnings on plan investments ..... 29,155
Administrative expense ..... 3,373
Other changes in FNP ..... (8)
Total Pension Expense ..... 158,378

## Interest on TPL - 7.75 Percent

|  | Amount for Period | Portion of Period | Interest on TPL |
| :---: | :---: | :---: | :---: |
| TPL | 2,853,455 | 100\% | 221,143 |
| Service Cost | 73,034 | 50\% | 2,830 |
| Benefit Payments, Including Employee Contributions | $(119,434)$ | 50\% | $(4,628)$ |
| Total Interest on TPL |  |  | 219,345 |

## Amortization of Experience (Gain)/Loss

Experience (Gain)/Loss

Year
20X0
20X1
20X2
20X3
20X4
20X5
20X6
20X7
20X8
20X9
Amortized Amount

Recognition Period
Amortized Amount

| 35,780 | 8.3 | - |
| ---: | ---: | ---: |
| 30,981 | 8.3 | 1,117 |
| 13,464 | 8.3 | 1,622 |
| 34,335 | 8.3 | 4,137 |
| $(28,228)$ | 8.2 | $(3,442)$ |
| 19,927 | 8.2 | 2,430 |
| 38,438 | 8.2 | 4,688 |
| $(3,562)$ | 8.0 | $(445)$ |
| $(15,211)$ | 8.0 | $(1,901)$ |
| $(37,539)$ | 7.9 | $\underline{(4,752)}$ |
|  |  | $\underline{\$ 3,454}$ |

## Amortization of Assumption Changes

Increase in TPL Recognition Period Amortized Amount



## Projected Earnings on Plan Assets-7.75 Percent

Amount for Period Portion of Period Interest on TPL

| Beginning FNP | $2,052,589$ | $100 \%$ | 159,076 |
| :--- | ---: | ---: | ---: |
| Employer Contributions | 79,713 | $50 \%$ | 3,089 |
| Employee Contributions | 31,451 | $50 \%$ | 1,219 |
| Benefit Payments (With Refund of EE Contribs) | $(119,434)$ | $50 \%$ | $(4,628)$ |
| Administrative Expense and Other | 3,365 | $50 \%$ | $\underline{(130)}$ |
| Total Projected Earnings |  |  | 158,625 |

## Amortization of Asset (Gain)/Loss

Asset (Gain)/Loss Recognition Period Amortized Amount

Year

20X5
$(43,058)$
5.0
$(8,610)$
$(31,903)$
35,865
20X7
20X8
20X9
$(159,517)$
5.0

179,327
5.0

41,309
$(7,506)$
Amortized Amount
206,546
$(37,529)$
5.0
5.0
\$29,155

## Deferrals of Experience (Gain)/Loss

| Year | Experience Losses <br> (a) | Experience Gains <br> (b) | Amount Recognized in Pension Expense Thru 6/30/X9 <br> (c) | Deferred Outflows of Resources at 6/30/X9 <br> (a) - (c) | Deferred Inflows of Resources at $6 / 30 / \mathrm{X} 9$ <br> (b) - (c) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 20x2 | 13,464 |  | 12,976 | 488 |  |
| 20x3 | 34,335 |  | 28,959 | 5,376 |  |
| 20X4 |  | $(28,228)$ | $(20,652)$ |  | $(7,576)$ |
| 20X5 | 19,927 |  | 12,150 | 7,777 |  |
| $20 \times 6$ | 38,438 |  | 18,752 | 19,686 |  |
| 20x7 |  | $(3,562)$ | $(1,335)$ |  | $(2,227)$ |
| 20X8 |  | $(15,211)$ | $(3,802)$ |  | $(11,409)$ |
| 20X9 |  | $(37,539)$ | $(4,752)$ |  | $(32,787)$ |
| Total |  |  |  | 33,327 | $(53,999)$ |

## Deferrals of Assumption Changes

|  | Amount <br> Recognized in <br> Pension |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Increase in |  |  |  |  |  |
| TPL | Decrease in <br> TPL <br> Expense Thru <br> $6 / 30 / X 9$ | Deferred Outflows <br> of Resources at <br> $6 / 30 / X 9$ | Deferred <br> Inflows of <br> Resources <br> at $6 / 30 / X 9$ |  |  |
| Year | (a) | (b) | (c) | (a) - (c) | (b) - (c) |
| 20X4 | 92,500 |  |  |  |  |
| 20X7 | 61,011 |  | 67,680 | 24,820 |  |
| Total |  |  | 22,878 | $\underline{38,133}$ |  |

## Deferrals of Asset (Gain)/Loss

| Year | Asset Loss <br> (a) | Asset Gain <br> (b) | Amount Recognized in Pension Expense Thru 6/30/X9 <br> (c) | Deferred Outflows of Resources at 6/30/X9 <br> (a) - (c) | Deferred Inflows of Resources at $6 / 30 / \mathrm{X9}$ <br> (b) - (c) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $20 \times 6$ |  | $(159,517)$ | $(127,612)$ |  | $(31,905)$ |
| $20 \times 7$ | 179,327 |  | 107,595 | 71,732 |  |
| $20 \times 8$ | 206,546 |  | 82,618 | 123,928 |  |
| 20X9 |  | $(37,529)$ | $(7,506)$ |  | $(30,023)$ |
| Total |  |  |  | 195,660 | $(61,928)$ |

## Accounting for NPL

## Net Pension

 LiabilityPension
Expense

Experience Gain/(Loss) Deferred Outflows of Resources

Experience Gain/(Loss) Deferred Inflows of Resources

Balances at 6/30/X8
Changes for the year:

| Service cost | 73,034 | 73,034 |  |  |
| :--- | ---: | ---: | ---: | ---: |
| Interest | 219,345 | 219,345 |  | $(37,539)$ |
| Experience gain/(loss) | $(37,539)$ |  | $(13,994)$ | 10,540 |
| Amort of exp gain/(loss) |  | 3,454 |  |  |
| Amort of assum change |  | 20,101 |  |  |
| Contributions—Er | $(79,713)$ |  |  |  |
| Contributions—Ee | $(31,451)$ | $(31,451)$ |  |  |
| Net investment income | $(196,154)$ | $(158,625)$ |  |  |
| Amort of asset gain/(loss) | - | 29,155 |  |  |
| Benefit payments | 3,373 | 3,373 | $(8)$ | $(13,994)$ |
| Administrative Expense | $\underline{(8)}$ | $\underline{(49,113)}$ | 158,378 | 33,327 |
| Other Changes | $\underline{\$ 751,753}$ |  | $(53,999)$ |  |
| Net Changes |  |  |  |  |
| Balances at 6/30/X9 |  |  |  |  |

$(27,000)$
$(53,999)$

# Questions? 

