May 7, 2012

Board of Trustees
Texas Municipal Retirement System (“TMRS” or the “System”)
Austin, Texas

Dear Trustees:

In accordance with the Texas Municipal Retirement System (“TMRS”) Act, the annual actuarial valuation of the assets and liabilities of the TMRS Pension Trust Fund was completed as of December 31, 2011.

The actuarial assumptions used for this valuation were initially developed from an actuarial investigation performed by Gabriel Roeder Smith & Company (“GRS”) of the experience of TMRS over the four years beginning January 1, 2006 to December 31, 2009. They were adopted in 2011 and first used in the December 31, 2010 actuarial valuation in conjunction with the fund restructuring that resulted from the passage of Senate Bill 350 during the 82nd Regular Session of the Texas Legislature. There were no changes to the assumptions utilized in the prior valuation.

The results of the actuarial valuation are dependent on the actuarial assumptions used. Actual results can and almost certainly will differ, as actual experience deviates from the assumptions. Even seemingly minor changes in the assumptions can materially change the liabilities, calculated contribution rates and funding periods.

It is our opinion that the recommended assumptions and methods are internally consistent and are reasonably based on past and anticipated future experience of the System and comply with the parameters for disclosure as set forth in Governmental Accounting Standards Board Statements No. 25 and as amended in Statement No. 50. We provided the information used in the supporting schedules in the Actuarial Section as well as portions of the Notes to the Financial Statements and the Required Supplementary Information in the Financial Section of the CAFR.

The financing objective for each TMRS plan is to provide retirement, death and disability benefits for a member city’s employees financed by an employer contribution rate. This rate is determined annually and is expected to remain approximately level as a percentage of the employer’s covered payroll. In TMRS, a city’s actuarially determined contribution rate consists of two components: the employer normal cost contribution rate and the prior service contribution rate. Both rates are determined as a level percentage of payroll. The normal cost contribution rate finances the portion of an active member’s projected retirement benefit allocated annually. The prior service contribution rate amortizes the unfunded actuarial accrued liability (“UAAL”) over the applicable period for that city. Both the normal cost and prior service contribution rates include recognition of the projected impact of annually repeating updated service credits and annuity increases.
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May 7, 2012  
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The employer contribution rates for the municipalities participating in TMRS are certified annually by the Board of Trustees. These rates are actuarially determined and are based upon the plan provisions in effect as of March 1, 2012 and the actuarial assumptions and methodology adopted by the Board. The Board’s current policy is that the contribution rates determined by a given actuarial valuation become effective one (1) year after the valuation date. For example, the rates determined by the December 31, 2011 actuarial valuation will be applicable for the calendar year beginning January 1, 2013 and ending December 31, 2013.

To test how well the financing objective for each plan is being achieved, annual actuarial valuations are made. These actuarial valuations recognize differences in the past year between the actuarial assumptions and the actual experience, and any benefit changes for each plan. A separate actuarial valuation for each participating municipality was made based upon the plan of benefits in effect as of March 1, 2012.

The TMRS staff supplied all of the data for retired, active and inactive members as of December 31, 2011. We did not audit this data, but we did apply a number of tests to the data and we concluded that it was reasonable and consistent with the prior year's data. The TMRS staff also supplied all of the asset data and financial information as of December 31, 2011. The amounts of the assets in the actuarial valuations agree with the amounts as reported by TMRS.

All of our work conforms with generally accepted actuarial principles and practices, and with the Actuarial Standards of Practice issued by the Actuarial Standards Board. In our opinion, our calculations also comply with the requirements of the TMRS Act and, where applicable, the Internal Revenue Code and the Statements of the Governmental Accounting Standards Board.

The undersigned are independent actuaries and consultants. Both are Members of the American Academy of Actuaries, both meet all of the Qualification Standards of the American Academy of Actuaries, and both are experienced in performing valuations for large public retirement systems.

Respectfully submitted,

Mark R. Randall, MAAA, FCA, EA
Executive Vice President & Senior Consultant

Joseph P. Newton, MAAA, FSA, EA
Senior Consultant
These actuarial assumptions were developed from an actuarial investigation of the experience of TMRS over the four-year period from January 1, 2006 to December 31, 2009. They were adopted by the Board of Trustees in May 2011 and first used in the December 31, 2010 actuarial valuation in conjunction with the fund restructuring that resulted from the passage of SB 350.

I. Economic Assumptions

A. General Inflation – General inflation is assumed to be 3.00% per year.

B. Discount/Crediting Rates

1. System-wide Investment Return Assumption: 7.00% per year, compounded annually, composed of an assumed 3.00% inflation rate and a 4.00% net real rate of return. This rate represents the assumed return, net of all investment and administrative expenses. This is the discount rate used to value the liabilities of the individual employers.

2. Assumed discount/crediting rate for Supplemental Disability Benefits Fund and individual employee accounts: an annual rate of 5.00% for (1) accumulating prior service credit and updated service credit after the valuation date, (2) accumulating the employee current service balances, (3) determining the amount of the monthly benefit at future dates of retirement or disability, and (4) calculating the actuarial liability of the System-wide Supplemental Disability Benefits Fund.

C. Overall Payroll Growth – 3.00% per year, which is used to calculate the contribution rates for the retirement plan of each participating city as a level percentage of payroll. This represents the expected increase in total payroll. This increase rate is solely due to the effect of wage inflation on salaries, with no allowance for future membership growth.

D. Individual Salary Increases – Salary increases are assumed to occur once a year, on January 1. Therefore, the pay used for the period year following the valuation date is equal to the reported pay for the prior year, increased by the salary increase assumption.
The above age-related rates are assumed for plan participants with more than 10 years of service. For participants with 10 years of service or less, salaries are assumed to increase by the following graduated scale:

<table>
<thead>
<tr>
<th>Years of Service</th>
<th>Rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 1</td>
<td>12.00</td>
</tr>
<tr>
<td>1 - 2</td>
<td>9.00</td>
</tr>
<tr>
<td>2 - 3</td>
<td>7.00</td>
</tr>
<tr>
<td>3 - 4</td>
<td>7.00</td>
</tr>
<tr>
<td>4 - 5</td>
<td>6.00</td>
</tr>
<tr>
<td>5 - 6</td>
<td>6.00</td>
</tr>
<tr>
<td>6 - 7</td>
<td>5.50</td>
</tr>
<tr>
<td>7 - 8</td>
<td>5.50</td>
</tr>
<tr>
<td>8 - 9</td>
<td>5.50</td>
</tr>
<tr>
<td>9 - 10</td>
<td>5.50</td>
</tr>
</tbody>
</table>

**E. Annuity Increases** — The Consumer Price Index (CPI) is assumed to be 3.0% per year prospectively. Annuity Increases (also referred to as cost-of-living adjustments, or COLAs) when applicable, are 30%, 50%, or 70% of CPI, according to the provisions adopted by each city.
II. Demographic Assumptions

A. Termination Rates

1. For the first 10 years of service, the base table rates vary by gender, entry age, and length of service. For each city the base table is then multiplied by a factor from 75% to 125% based on the experience of the individual city in comparison to the group as a whole. A further multiplier is applied depending on an employee’s classification: 1) Fire – 64%, 2) Police – 92%, or 3) Other – 105%. A sample of the base rates follows:

<table>
<thead>
<tr>
<th>Age</th>
<th>Years of Service</th>
<th>Males</th>
<th>Years of Service</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
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<td>1</td>
<td>0.3289</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>0.2707</td>
<td>1</td>
<td>0.2849</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>0.2229</td>
<td>1</td>
<td>0.2465</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>0.1876</td>
<td>1</td>
<td>0.2162</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>0.1620</td>
<td>1</td>
<td>0.1941</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>0.1426</td>
<td>1</td>
<td>0.1780</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>0.1249</td>
<td>1</td>
<td>0.1621</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>0.1094</td>
<td>1</td>
<td>0.1446</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>0.0979</td>
<td>1</td>
<td>0.1274</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>0.0867</td>
<td>1</td>
<td>0.1114</td>
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<td>25</td>
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<td>0.3123</td>
<td>1</td>
<td>0.3079</td>
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<tr>
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<td>1</td>
<td>0.2485</td>
<td>1</td>
<td>0.2623</td>
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<tr>
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<td>1</td>
<td>0.2252</td>
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<td>3</td>
<td>0.1701</td>
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<td>0.1972</td>
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<td>4</td>
<td>0.1479</td>
<td>1</td>
<td>0.1774</td>
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<td>5</td>
<td>0.1308</td>
<td>1</td>
<td>0.1633</td>
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<td>7</td>
<td>0.1013</td>
<td>1</td>
<td>0.1346</td>
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<td>8</td>
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<td>1</td>
<td>0.1191</td>
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<td>9</td>
<td>0.0810</td>
<td>1</td>
<td>0.1037</td>
</tr>
<tr>
<td>30</td>
<td>0</td>
<td>0.2930</td>
<td>1</td>
<td>0.2837</td>
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<tr>
<td></td>
<td>1</td>
<td>0.2235</td>
<td>1</td>
<td>0.2343</td>
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<td>2</td>
<td>0.1775</td>
<td>1</td>
<td>0.1976</td>
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<td>3</td>
<td>0.1490</td>
<td>1</td>
<td>0.1718</td>
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<td>0.1305</td>
<td>1</td>
<td>0.1549</td>
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<tr>
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<td>5</td>
<td>0.1163</td>
<td>1</td>
<td>0.1434</td>
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<td>6</td>
<td>0.1033</td>
<td>1</td>
<td>0.1330</td>
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<td>7</td>
<td>0.0914</td>
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<td>0.1214</td>
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<td>8</td>
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<td>1</td>
<td>0.1084</td>
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<td></td>
<td>9</td>
<td>0.0744</td>
<td>1</td>
<td>0.0938</td>
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<tr>
<td>35</td>
<td>0</td>
<td>0.2778</td>
<td>1</td>
<td>0.2664</td>
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<td>0.2089</td>
<td>1</td>
<td>0.2138</td>
</tr>
<tr>
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<td>2</td>
<td>0.1632</td>
<td>1</td>
<td>0.1761</td>
</tr>
<tr>
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<td>3</td>
<td>0.1356</td>
<td>1</td>
<td>0.1512</td>
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<td>4</td>
<td>0.1186</td>
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<td>0.1360</td>
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<td>5</td>
<td>0.1059</td>
<td>1</td>
<td>0.1264</td>
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<td>0.1094</td>
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<td>0.0757</td>
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<td>0.0984</td>
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<tr>
<td></td>
<td>9</td>
<td>0.0696</td>
<td>1</td>
<td>0.0851</td>
</tr>
</tbody>
</table>

2. After 10 years of service, base termination rates vary by gender and by the number of years remaining until first retirement eligibility. For each city, the base table is then multiplied by a factor from 75% to 125% based on the experience of the individual city in comparison to the group as a whole (same factor as above). A further multiplier is applied depending on an
employee’s classification: 1) Fire – 54%, 2) Police – 80%, or 3) Other – 109%. A sample of the base rates follows:

<table>
<thead>
<tr>
<th>Years From Retirement</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0.0171</td>
<td>0.0219</td>
</tr>
<tr>
<td>2</td>
<td>0.0244</td>
<td>0.0307</td>
</tr>
<tr>
<td>3</td>
<td>0.0300</td>
<td>0.0374</td>
</tr>
<tr>
<td>4</td>
<td>0.0348</td>
<td>0.0431</td>
</tr>
<tr>
<td>5</td>
<td>0.0390</td>
<td>0.0480</td>
</tr>
<tr>
<td>6</td>
<td>0.0429</td>
<td>0.0525</td>
</tr>
<tr>
<td>7</td>
<td>0.0464</td>
<td>0.0566</td>
</tr>
<tr>
<td>8</td>
<td>0.0497</td>
<td>0.0604</td>
</tr>
<tr>
<td>9</td>
<td>0.0528</td>
<td>0.0640</td>
</tr>
<tr>
<td>10</td>
<td>0.0557</td>
<td>0.0674</td>
</tr>
<tr>
<td>11</td>
<td>0.0585</td>
<td>0.0706</td>
</tr>
<tr>
<td>12</td>
<td>0.0612</td>
<td>0.0737</td>
</tr>
<tr>
<td>13</td>
<td>0.0637</td>
<td>0.0766</td>
</tr>
<tr>
<td>14</td>
<td>0.0662</td>
<td>0.0794</td>
</tr>
<tr>
<td>15</td>
<td>0.0686</td>
<td>0.0822</td>
</tr>
</tbody>
</table>

Termination rates end at first eligibility for retirement.

B. **Forfeiture Rates** (withdrawal of member deposits from TMRS) for vested members vary by age and employer match, and they are expressed as a percentage of the termination rates shown in (A). The withdrawal rates for cities with a 2-to-1 match are shown below. 2% is added to the rates for 1½-to-1 cities, and 4% is added for 1-to-1 cities.

<table>
<thead>
<tr>
<th>Age</th>
<th>Percent of Terminating Employees Choosing to Take a Refund</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>52.0%</td>
</tr>
<tr>
<td>30</td>
<td>47.9%</td>
</tr>
<tr>
<td>35</td>
<td>43.8%</td>
</tr>
<tr>
<td>40</td>
<td>39.7%</td>
</tr>
<tr>
<td>45</td>
<td>35.6%</td>
</tr>
<tr>
<td>50</td>
<td>31.5%</td>
</tr>
<tr>
<td>55</td>
<td>27.4%</td>
</tr>
</tbody>
</table>

Forfeiture rates end at first eligibility for retirement.
C. Service Retirees and Beneficiary Mortality Rates

1. For calculating the actuarial liability and the retirement contribution rates, the gender-distinct RP2000 Combined Healthy Mortality Table projected to the year 2003 by Scale AA.

<table>
<thead>
<tr>
<th>Age</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>0.001053</td>
<td>0.000675</td>
</tr>
<tr>
<td>45</td>
<td>0.001450</td>
<td>0.001071</td>
</tr>
<tr>
<td>50</td>
<td>0.002025</td>
<td>0.001592</td>
</tr>
<tr>
<td>55</td>
<td>0.003421</td>
<td>0.002652</td>
</tr>
<tr>
<td>60</td>
<td>0.006428</td>
<td>0.004980</td>
</tr>
<tr>
<td>65</td>
<td>0.012210</td>
<td>0.009561</td>
</tr>
<tr>
<td>70</td>
<td>0.021222</td>
<td>0.016492</td>
</tr>
<tr>
<td>75</td>
<td>0.036267</td>
<td>0.027437</td>
</tr>
<tr>
<td>80</td>
<td>0.062456</td>
<td>0.044922</td>
</tr>
</tbody>
</table>

2. For determining the amount of the monthly retirement benefit at the time of retirement, the UP-1984 Table with an age setback of two years for retirees and an age setback of eight years for beneficiaries.

D. Disabled Annuitant Mortality Rates

1. For calculating the actuarial liability and the retirement contribution rates, the gender-distinct RP2000 Disabled Retiree Mortality Table with both male and female rates multiplied by 80%.

<table>
<thead>
<tr>
<th>Age</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>0.018057</td>
<td>0.005960</td>
</tr>
<tr>
<td>45</td>
<td>0.018057</td>
<td>0.005960</td>
</tr>
<tr>
<td>50</td>
<td>0.023180</td>
<td>0.009228</td>
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<tr>
<td>55</td>
<td>0.028354</td>
<td>0.013235</td>
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<td>60</td>
<td>0.033634</td>
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<tr>
<td>75</td>
<td>0.065654</td>
<td>0.041784</td>
</tr>
<tr>
<td>80</td>
<td>0.087498</td>
<td>0.057850</td>
</tr>
</tbody>
</table>

2. For determining the amount of monthly retirement benefit at the time of retirement, the UP-1984 Table with an age setback of two years for retirees and an age setback of eight years for beneficiaries.
E. **Pre-Retirement Mortality Rates** — gender-distinct RP2000 Combined Healthy Mortality Table projected to the year 2003 by Scale AA, with a five-year setback for both males and females.

<table>
<thead>
<tr>
<th>Age</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
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<td>0.000162</td>
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<tr>
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<td>0.000326</td>
<td>0.000182</td>
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<td>0.000365</td>
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<td>0.000761</td>
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<tr>
<td>45</td>
<td>0.001053</td>
<td>0.000675</td>
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<tr>
<td>50</td>
<td>0.001450</td>
<td>0.001071</td>
</tr>
<tr>
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<td>0.002025</td>
<td>0.001592</td>
</tr>
<tr>
<td>60</td>
<td>0.003421</td>
<td>0.002652</td>
</tr>
<tr>
<td>65</td>
<td>0.006428</td>
<td>0.004980</td>
</tr>
</tbody>
</table>

F. **Disability Rates**

<table>
<thead>
<tr>
<th>Age</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>0.000042</td>
<td>0.000014</td>
</tr>
<tr>
<td>25</td>
<td>0.000049</td>
<td>0.000021</td>
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<td>0.000095</td>
<td>0.000043</td>
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<td>0.001295</td>
<td>0.000754</td>
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<td>50</td>
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<td>0.001333</td>
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<td>0.003061</td>
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</tr>
<tr>
<td>65</td>
<td>0.000042</td>
<td>0.000014</td>
</tr>
</tbody>
</table>
G. **Service Retirement Rates** (applied to both active and inactive members)

The base table rates vary by gender, entry age group, and age. These rates are adjusted then multiplied by 2 factors based on 1) employee contribution rate and employer match and 2) if the city has a recurring COLA.

<table>
<thead>
<tr>
<th>Age</th>
<th>Males Entry Age Groups</th>
<th>Females Entry Age Groups</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ages 32 and under</td>
<td>Ages 33-47 and over</td>
</tr>
<tr>
<td>40-44</td>
<td>0.06</td>
<td>-</td>
</tr>
<tr>
<td>45-49</td>
<td>0.06</td>
<td>-</td>
</tr>
<tr>
<td>50-52</td>
<td>0.08</td>
<td>-</td>
</tr>
<tr>
<td>53</td>
<td>0.08</td>
<td>0.10</td>
</tr>
<tr>
<td>54</td>
<td>0.08</td>
<td>0.10</td>
</tr>
<tr>
<td>55-59</td>
<td>0.14</td>
<td>0.10</td>
</tr>
<tr>
<td>60</td>
<td>0.20</td>
<td>0.15</td>
</tr>
<tr>
<td>61</td>
<td>0.25</td>
<td>0.30</td>
</tr>
<tr>
<td>62</td>
<td>0.32</td>
<td>0.25</td>
</tr>
<tr>
<td>63</td>
<td>0.32</td>
<td>0.23</td>
</tr>
<tr>
<td>64</td>
<td>0.32</td>
<td>0.35</td>
</tr>
<tr>
<td>65</td>
<td>0.32</td>
<td>0.32</td>
</tr>
<tr>
<td>66-69</td>
<td>0.22</td>
<td>0.22</td>
</tr>
<tr>
<td>70-74</td>
<td>0.20</td>
<td>0.22</td>
</tr>
<tr>
<td>75 and over</td>
<td>1.00</td>
<td>1.00</td>
</tr>
</tbody>
</table>

**Note:** For cities without a 20-year/any age retirement provision, the rates for entry ages 32 and under are loaded by 20% for ages below 60.

Plan design factors applied to base retirement rates are as follows:

<table>
<thead>
<tr>
<th>Employer Match</th>
<th>Employee Contribution Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5%</td>
</tr>
<tr>
<td>1 - 1</td>
<td>0.75</td>
</tr>
<tr>
<td>1.5 - 1</td>
<td>0.81</td>
</tr>
<tr>
<td>2 - 1</td>
<td>0.86</td>
</tr>
</tbody>
</table>

Recurring COLA: 1.00
No Recurring COLA: 0.90
III. Methods and Assumptions

A. Valuation of Assets — The actuarial value of assets is based on the market value of assets with ten-year smoothing applied. This is accomplished by recognizing each year 10% of the difference between the market value of assets and the expected actuarial value of assets, based upon the assumed valuation rate of return. The actuarial value of assets is further adjusted by 33% of any difference between the initial value and a 15% corridor around the market value of assets, if necessary. If the corridor is applicable for a given year, the next year’s expected actuarial value of assets will be determined from the post-corridor adjusted value.

B. Small City Methodology — For cities with fewer than 20 employees, more conservative methods and assumptions are used. First, lower termination rates are used for smaller cities, with maximum multipliers of 75% for employers with less than 6 members, 85% for employers with 6 to 10 members, and 100% for employers with 11 to 15 members.

There is also load on the life expectancy for employers with less than 15 active members. The life expectancy will be loaded by decreasing the mortality rates by 1% for every active member less than 15. For example, an employer with 5 active members will have the baseline mortality tables multiplied by 90% (10 years times 1%).

For underfunded plans, the maximum amortization period for amortizing gains and losses is decreased from current levels by 1 year for each active member less than the 20-member threshold. For example, an employer with 8 active members and a current maximum amortization period of 25 will use \(25-(20-8) = 13\) year amortization period for the gain or loss in that year’s valuation. Under this policy, the lowest amortization period will be \(25-(20-1) = 6\) years. Once the plan is overfunded, the amortization period will revert back to the standard 25 years.

C. Actuarial Cost Method — The actuarial cost method being used is known as the Projected Unit Credit actuarial cost method. The Projected Unit Credit actuarial cost method develops the annual cost of the Plan in two parts: that attributable to benefits accruing in the current year, known as the normal cost, and that due to service earned prior to the current year, known as the amortization of the unfunded actuarial accrued liability. The normal cost and the actuarial accrued liability are calculated individually for each member. The normal cost is the present value of the portion of projected benefits that is attributable to service accrued in the current year. The unfunded actuarial accrued liability reflects the difference between the portion of projected benefits attributable to service credited prior to the valuation date and assets already accumulated. The unfunded actuarial accrued liability is paid off in accordance with a specified amortization procedure. For underfunded cities with 20 or more employees, the amortization as of the valuation date is a level percentage of payroll over a closed period of either 25 or 30 years. The surplus for overfunded cities is amortized over a 25-year open period. Ad hoc benefit enhancements are amortized over individual 15-year periods using a level dollar policy.

Under the Projected Unit Credit actuarial cost method, if actual plan experience is close to assumptions, the normal cost will increase each year for each employee as he or she approaches retirement age. However, if the age/service/gender characteristics of the active group remain constant, the total normal cost can be expected to remain somewhat level as a percentage of payroll. The total contribution is made up of the sum of the individual normal costs and the amortization payment on the unfunded actuarial accrued liability.
Summary of Actuarial Assumptions (Pension Trust Fund)
CONTINUED

IV. Other Assumptions

1. Valuation payroll (used for determining the amortization contribution rate): A three-year exponential average of the actual salaries paid during the prior fiscal years, moved forward with one year’s payroll growth rate.

2. Individual salaries used to project benefits: Actual salaries from the past three fiscal years are used to determine the USC final average salary as of the valuation date. For future salaries, a three-year exponential moving average of the past three years is projected forward with one year’s salary scale.

3. Pay increase timing: Beginning of (fiscal) year. This is equivalent to assuming that reported salaries represent amounts paid to members during the year ended on the valuation date.

4. Percent married: 75% of male and 70% of female employees are assumed to be married.

5. Age difference: Male members are assumed to be three years older than their spouses, and female members are assumed to be three years younger than their spouses.

6. Percent electing annuity on death (when eligible): All of the spouses of vested, married participants are assumed to elect an immediate life annuity.

7. Partial Lump Sum utilization: It is assumed that each member at retirement will withdraw 40% of his/her eligible account balance.

8. Inactive population: All non-vested members of a city are assumed to take an immediate refund if they are not contributing members in another city. Vested members not contributing in another city are assumed to take a deferred retirement benefit, except for those who have terminated in the past 12 months for whom one year of forfeiture probability is assumed. The forfeiture rates for inactive members of a city who are contributing members in another city are equal to the probability of termination multiplied by the forfeiture rates shown in II(A) and II(B), respectively. These rates are applied each year until retirement eligibility. Once a member is retirement eligible, he or she is assumed to commence benefits based on the service retirement rates shown in II(G).

9. There will be no recoveries once disabled.

10. No surviving spouse will remarry and there will be no children’s benefit.

11. Decrement timing: Decrement rates are used directly from the experience study, without adjustment for multiple decrement table effects.

12. Eligibility testing: Eligibility for benefits is determined based upon the age nearest birthday and service nearest whole year on the date the decrement is assumed to occur.

13. Incidence of contributions: Contributions are assumed to be received continuously throughout the year based upon the computed percent of payroll shown in this report, and the actual payroll payable at the time contributions are made.

14. Benefit service: All members are assumed to accrue 1 year of eligibility service each year.
Definitions (Pension Trust Fund)

1. **Actuarial gain (loss)** — A measure of the difference between actual experience and that expected based upon the actuarial assumptions, during the period between two actuarial valuation dates, as determined in accordance with the actuarial cost method used.

2. **Actuarial accrued liability** — The actuarial present value of benefits attributable to all periods prior to the valuation date.

3. **Actuarial present value** — The value of an amount or series of amounts payable or receivable at various times, determined as of a given date (the valuation date) by the application of the actuarial assumptions.

4. **Actuarial value of assets** — The value of cash, investments, and other property belonging to a pension plan, as used by the actuary for the purpose of an actuarial valuation.

5. **Amortization period** — The period over which the existing unfunded or overfunded actuarial accrued liability is projected to be paid off, as a level percentage of payroll. Previously, this was an open, 25-year period. Effective with the December 31, 2007 valuation, the period is closed. In addition, for cities that experienced an increase in their 2009 rate of more than 0.5% of pay due to the assumption and funding method changes with the 2007 valuation, the period was extended from 25 to 30 years.

6. **Annual required contributions (ARC)** — The employer’s periodic required contributions to the defined benefit pension plan, calculated in accordance with GASB parameters under Statement 25.

7. **Average age of contributing members** — The average attained age as of the valuation date.

8. **Average length of service of contributing members** — The average length of total credited service in TMRS as of the valuation date.

9. **Current service benefits** — Benefits attributable to the member’s accumulated deposits and an amount provided by the municipality at retirement to match the accumulated deposits at the matching ratio in effect when the deposits were made.

10. **Funded ratio** — The actuarial value of assets expressed as a percentage of the actuarial accrued liability.

11. **Funding policy** — The program for the amounts and timing of contributions to be made by plan members and employers to provide the benefits specified by a pension plan.

12. **Normal cost contribution rate** — The actuarial present value of benefits allocated to a valuation year by the actuarial cost method, expressed as a percentage of the covered payroll. It is equal to the sum of the actuarial present value of benefits allocated to the year following the valuation date divided by the compensation expected to be received during the next year for the closed group of members as of the valuation date.

13. **Overfunded actuarial accrued liability** — The excess of the actuarial value of assets over the actuarial accrued liability.

14. **Phase-in rate** — Some cities experienced a significant increase in their calculated contribution rate due to actuarial assumption and method changes in the 2007 and 2008 valuations. The Full Rate less one-eighth of the increase from 2007, and one-seventh of the increase from 2008 is the phase-in rate, which is also called the minimum contribution rate. The amount remaining to be phased in was reduced for any city that has decreased benefits by the amount of the reduction in the full rate due to the change. The amount was similarly reduced by the impact of the Fund Restructuring effective for the December 31, 2010 valuation.

15. **Prior service benefits** — Benefits other than current service benefits. These include all benefits arising from prior service credits, special prior service credits, antecedent service credits, updated service credits, and increases in monthly benefit payments to annuitants (also referred to as Annuity Increases, or AI).

16. **Prior service contribution rate** — The level percentage of payroll required to amortize the unfunded or overfunded actuarial liability over a specified amortization period. If the rate is negative, it is offset against the normal cost contribution rate, with the limitation that the sum of the two rates cannot be negative.

17. **Projected Unit Credit actuarial cost method** — A method under which the benefits of each individual included in the valuation are allocated by a consistent formula to valuation years based on years of service. Benefits are allocated equally to each year of service over the individual’s career from hire to retirement. Normal costs are based on the portion of the benefit allocated to the year following the valuation year. Accrued liabilities are based on benefits allocated to the time preceding the date of the actuarial valuation. Under this method, actuarial gains (or losses), as they occur, reduce (or increase) the unfunded actuarial liability.

18. **Retirement contribution rate** — The sum of the normal cost contribution rate and the prior service contribution rate.

19. **Unfunded actuarial accrued liability** — The excess of the actuarial accrued liability over the actuarial value of assets.

20. **Unit Credit actuarial cost method** — A method under which the benefits of each individual included in the valuation are allocated by a consistent formula to valuation years. Current service benefits are a function of a member’s deposits, and are allocated to the year in which deposits are made. Prior service benefits are allocated to the time preceding the date of the actuarial valuation. Under this method, actuarial gains (or losses), as they occur, reduce (or increase) the unfunded actuarial accrued liability.
Participating Employers & Active Members (Pension Trust Fund)

<table>
<thead>
<tr>
<th>Valuation Date</th>
<th>Number of Active Cities</th>
<th>Number</th>
<th>Annual Payroll</th>
<th>Average Annual Pay</th>
<th>Percent Increase in Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/31/2006</td>
<td>816</td>
<td>95,583</td>
<td>$3,949,180,835</td>
<td>$41,710</td>
<td>4.2%</td>
</tr>
<tr>
<td>12/31/2007</td>
<td>823</td>
<td>98,440</td>
<td>4,221,290,731</td>
<td>43,513</td>
<td>4.3</td>
</tr>
<tr>
<td>12/31/2008</td>
<td>829</td>
<td>100,459</td>
<td>4,529,989,369</td>
<td>45,551</td>
<td>4.7</td>
</tr>
<tr>
<td>12/31/2009</td>
<td>833</td>
<td>102,419</td>
<td>4,769,041,587</td>
<td>47,014</td>
<td>3.2</td>
</tr>
<tr>
<td>12/31/2010</td>
<td>837</td>
<td>101,240</td>
<td>4,797,903,131</td>
<td>47,117</td>
<td>0.2</td>
</tr>
<tr>
<td>12/31/2011</td>
<td>842</td>
<td>101,151</td>
<td>4,853,135,055</td>
<td>47,979</td>
<td>1.8</td>
</tr>
</tbody>
</table>

As of December 31, 2011, there were four cities with no contributing members and no city contributions due. In addition, one privatized hospital had no contributing members, but paid a dollar contribution amount to TMRS that is calculated annually by the actuary. Thus there were 847 total city plans, with 842 of them active.

The average annual pay was calculated by dividing the annual payroll by the average of the number of contributing members at the beginning and the end of the year.

Retiree and Beneficiary Data (Pension Trust Fund)

<table>
<thead>
<tr>
<th>Year Ended</th>
<th>Added to Rolls</th>
<th>Removed from Rolls</th>
<th>End of Year</th>
<th>% Increase in Annual Benefit</th>
<th>Average Annual Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Accounts</td>
<td>Annual Benefit</td>
<td>Number of Accounts</td>
<td>Annual Benefit</td>
<td>Number of Accounts</td>
</tr>
<tr>
<td>12/31/2006</td>
<td>2,834</td>
<td>$42,869,323</td>
<td>629</td>
<td>$6,559,422</td>
<td>32,175</td>
</tr>
<tr>
<td>12/31/2007</td>
<td>2,933</td>
<td>44,549,919</td>
<td>598</td>
<td>6,241,842</td>
<td>34,510</td>
</tr>
<tr>
<td>12/31/2008</td>
<td>2,962</td>
<td>59,560,238</td>
<td>609</td>
<td>6,232,194</td>
<td>36,863</td>
</tr>
<tr>
<td>12/31/2009</td>
<td>2,750</td>
<td>43,466,305</td>
<td>633</td>
<td>7,356,347</td>
<td>38,980</td>
</tr>
<tr>
<td>12/31/2010</td>
<td>3,193</td>
<td>61,116,748</td>
<td>714</td>
<td>8,750,654</td>
<td>41,459</td>
</tr>
<tr>
<td>12/31/2011</td>
<td>3,390</td>
<td>58,001,287</td>
<td>782</td>
<td>4,399,586</td>
<td>44,067</td>
</tr>
</tbody>
</table>

The number of retirement accounts is greater than the number of people who retired, as some retirees worked for more than one city in TMRS and retired with a separate benefit from each city. As of December 31, 2011, there were 3,533 more retirement accounts than people who retired. In addition, this schedule excludes 543 retirees with a “cash-out” in lieu of a monthly benefit. These individuals are still entitled to supplemental death benefits.

The annual benefit is 12 times the amount payable in January following the valuation date, including any annuity increase, if applicable.
Each city participating in TMRS is financially responsible for its own plan. Therefore, the aggregate numbers shown above reflect only the aggregate condition of TMRS and do not indicate the status of any one plan.

Columns (1) and (2) above also include the assets and liabilities of the Supplemental Disability Benefits Fund, and for 2006 through 2009 also include the assets and liabilities of the former Current Service Annuity Reserve Fund.

* Actuarial assumptions were modified with the December 31, 2007 valuation, along with a change in the actuarial funding method to pre-fund for annually repeating updated service credits and annuity increases.

** Actuarial assumptions were modified with the December 31, 2010 valuation, along with a change in the funding structure that resulted from the passage of Senate Bill 350.
## Funded Portion of Actuarial Liabilities by Type (Pension Trust Fund)

### Table: Funded Portion of Actuarial Liabilities by Type

<table>
<thead>
<tr>
<th>Valuation Date</th>
<th>(1) Current Member Contributions</th>
<th>(2) Retirees and Beneficiaries</th>
<th>(3) Current Members (Employer-Financed Portion)</th>
<th>Net Assets Available for Benefits</th>
<th>Portion of Actuarial Liabilities Covered by Net Assets</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/31/2006</td>
<td>$3,625.0</td>
<td>$5,675.3</td>
<td>$6,919.4</td>
<td>$13,312.7</td>
<td>100.0 % 100.0 % 58.0 %</td>
</tr>
<tr>
<td>12/31/2007</td>
<td>3,784.2</td>
<td>7,201.5</td>
<td>8,293.1</td>
<td>14,203.3</td>
<td>100.0 100.0 38.8</td>
</tr>
<tr>
<td>12/31/2008</td>
<td>3,968.0</td>
<td>7,550.3</td>
<td>8,842.5</td>
<td>15,149.7</td>
<td>100.0 100.0 41.1</td>
</tr>
<tr>
<td>12/31/2009</td>
<td>4,203.9</td>
<td>7,941.6</td>
<td>9,379.6</td>
<td>16,305.7</td>
<td>100.0 100.0 44.4</td>
</tr>
<tr>
<td>12/31/2010</td>
<td>4,403.9</td>
<td>7,598.6</td>
<td>8,479.0</td>
<td>16,986.0</td>
<td>100.0 100.0 58.8</td>
</tr>
<tr>
<td>12/31/2011</td>
<td>4,589.5</td>
<td>8,188.0</td>
<td>8,785.9</td>
<td>18,347.0</td>
<td>100.0 100.0 63.4</td>
</tr>
</tbody>
</table>

The financing objective for each TMRS plan is to finance long-term benefit promises through contributions that remain approximately level from year to year as a percentage of the city’s payroll. If the contributions to each plan are level in concept and soundly executed, each plan will pay all promised benefits when due — the ultimate test of financial soundness. Testing for level contribution rates is the long-term test.

Presented above is one short-term means of checking a system’s progress under its funding program. The present assets are compared with: (1) current member contributions on deposit; (2) the liabilities for future benefits to present retired lives; and (3) the employer-financed portion of the liabilities for service already rendered by current members. In a system that has been following the discipline of level percentage of payroll financing, the liabilities for current member contributions on deposit (liability 1) and the liabilities for future benefits to present retired lives (liability 2) will be fully covered by present assets (except in rare circumstances). In addition, the employer-financed portion of liabilities for service already rendered by current members (liability 3) will be at least partially covered by the remainder of present assets. Generally, if a system has been using level cost financing, and if there are no changes in the plans of benefits, actuarial assumptions, or methods, the funded portion of liability 3 will increase over time, although it is uncommon for it to be fully funded.

Each city participating in TMRS is financially responsible for its own plan. Therefore, the aggregate numbers shown above reflect only the aggregate condition of TMRS and do not indicate the status of any one plan.
## Contribution Rate Information (Pension Trust Fund)

### Distribution of Cities by Total 2013 Contribution Rate

<table>
<thead>
<tr>
<th>Number of Contributing Members as of 12/31/2011</th>
<th>Under 3.00%</th>
<th>3.00 - 5.49%</th>
<th>5.50 - 7.99%</th>
<th>8.00 - 10.49%</th>
<th>10.50 - 12.99%</th>
<th>13.00 - 15.49%</th>
<th>15.50 - 17.99%</th>
<th>18.00 - 20.49%</th>
<th>Over 20.49%</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 5</td>
<td>38</td>
<td>24</td>
<td>11</td>
<td>8</td>
<td>3</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>92</td>
</tr>
<tr>
<td>6 - 10</td>
<td>66</td>
<td>18</td>
<td>17</td>
<td>9</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>-</td>
<td>119</td>
</tr>
<tr>
<td>11 - 20</td>
<td>60</td>
<td>29</td>
<td>16</td>
<td>15</td>
<td>7</td>
<td>7</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>144</td>
</tr>
<tr>
<td>21 - 40</td>
<td>31</td>
<td>19</td>
<td>29</td>
<td>28</td>
<td>11</td>
<td>9</td>
<td>5</td>
<td>3</td>
<td>4</td>
<td>139</td>
</tr>
<tr>
<td>41 - 70</td>
<td>6</td>
<td>14</td>
<td>10</td>
<td>15</td>
<td>19</td>
<td>14</td>
<td>10</td>
<td>1</td>
<td>-</td>
<td>89</td>
</tr>
<tr>
<td>71 - 100</td>
<td>1</td>
<td>4</td>
<td>3</td>
<td>13</td>
<td>16</td>
<td>5</td>
<td>12</td>
<td>4</td>
<td>-</td>
<td>58</td>
</tr>
<tr>
<td>101 - 150</td>
<td>2</td>
<td>3</td>
<td>7</td>
<td>12</td>
<td>15</td>
<td>8</td>
<td>10</td>
<td>4</td>
<td>3</td>
<td>64</td>
</tr>
<tr>
<td>151 - 250</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td>2</td>
<td>7</td>
<td>13</td>
<td>11</td>
<td>4</td>
<td>1</td>
<td>48</td>
</tr>
<tr>
<td>251 - 750</td>
<td>-</td>
<td>3</td>
<td>3</td>
<td>8</td>
<td>10</td>
<td>16</td>
<td>10</td>
<td>10</td>
<td>1</td>
<td>61</td>
</tr>
<tr>
<td>OVER 750</td>
<td>-</td>
<td>2</td>
<td>1</td>
<td>4</td>
<td>3</td>
<td>7</td>
<td>4</td>
<td>5</td>
<td>2</td>
<td>28</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>206</strong></td>
<td><strong>119</strong></td>
<td><strong>102</strong></td>
<td><strong>114</strong></td>
<td><strong>94</strong></td>
<td><strong>86</strong></td>
<td><strong>69</strong></td>
<td><strong>36</strong></td>
<td><strong>16</strong></td>
<td><strong>842</strong></td>
</tr>
</tbody>
</table>
The financing objective for each TMRS plan is to finance long-term benefit promises through contributions that remain approximately level from year to year as a percentage of the city's payroll. To test how well the financing objective is being achieved, an actuarial valuation is made each year to determine the city's contribution rate for the calendar year beginning one year after the valuation date, which is then compared to the prior year's rate.

Another important test is made periodically to evaluate the actuarial assumptions used to calculate each city's contribution rate. As a result of the 2003-2006 study of actuarial experience, new actuarial assumptions were adopted by the Board of Trustees, effective with the December 31, 2007 valuation.

Also effective with the December 31, 2007 valuation, the actuarial funding method was changed to the Projected Unit Credit actuarial cost method, which fully recognizes annually repeating updated service credit and annuity increases for cities adopting these provisions. Previously the impact of the annual increases was recognized as it occurred. In order to prevent burdensome cost increases as a consequence of the revisions in actuarial assumptions and method, an eight-year phase-in of the increase attributable to assumption changes was implemented for cities with increases of 0.5% or more.

The line above indicated as 12/31/2007(O) shows a summary of what the changes in the cities' contribution rates from 2008 to 2009 would have been if the old assumptions and funding method had been used. Line 12/31/2007(N) shows the changes with the new assumptions and funding method. Line 12/31/2007(P) provides the changes after the eight-year phase-in adjustments.

Also, as part of the Fund Restructuring that resulted from the passage of SB 350 (see footnotes for further details), new actuarial assumptions were adopted by the Board of Trustees, effective with the December 31, 2010 valuation.
### Changes in the Unfunded Actuarial Accrued Liability (Amounts in Millions)

<table>
<thead>
<tr>
<th></th>
<th>2011</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interest</td>
<td>259.5</td>
<td>$361.8</td>
</tr>
<tr>
<td>Amortization payments</td>
<td>(233.3)</td>
<td>(301.1)</td>
</tr>
<tr>
<td>Asset experience</td>
<td>(24.9)</td>
<td>(111.8)</td>
</tr>
<tr>
<td>Assumption changes / legislative changes</td>
<td>-</td>
<td>(1,390.7)</td>
</tr>
<tr>
<td>Liability experience</td>
<td>(198.5)</td>
<td>(78.0)</td>
</tr>
<tr>
<td>Benefit modifications</td>
<td>(36.1)</td>
<td>(293.1)</td>
</tr>
<tr>
<td>Contributions different than actuarially calculated</td>
<td>(45.9)</td>
<td>89.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>(279.2)</td>
<td>$(1,723.9)</td>
</tr>
</tbody>
</table>
May 9, 2012

Board of Trustees
Texas Municipal Retirement System (“TMRS” or the “System”)
Austin, Texas

Dear Trustees:

Gabriel Roeder Smith & Company (“GRS”) has performed an actuarial valuation for the Supplemental Death Benefits Fund which is administered by the Texas Municipal Retirement System (“TMRS”) for the purposes of complying with Governmental Accounting Standards Board (“GASB”) Statement No. 43. The actuarial assumptions and funding method used for this valuation were initially developed from an actuarial investigation of the experience of TMRS over the four calendar years 2006-2009 performed by GRS. They were adopted in 2011 by the Board of Trustees and first used in the December 31, 2010 actuarial valuation. There were no changes to the assumptions utilized in the prior valuation.

It is our opinion that the recommended assumptions and methods are internally consistent and are reasonably based upon the past and anticipated long-term future experience of the System. Assumptions and methods were modified as needed for accounting purposes to conform to the requirements for disclosure as set forth in GASB Statement No. 43. We provided the information used in the supporting schedules in the Actuarial Section as well as portions of the Notes to the Financial Statements and the Required Supplementary Information in the Financial Section of the CAFR.

The results of the actuarial valuation are dependent upon the actuarial assumptions used. Actual results can and almost certainly will differ, as actual experience deviates from the assumptions. Even seemingly minor changes in the assumptions can materially change the liabilities and calculated contribution rates.

The TMRS Supplemental Death Benefits Fund is an optional cost-sharing multiple-employer defined benefit group life insurance plan. It provides death benefits to both active and retired members. Each participating municipality can elect to cover just active members, or active and retired members. A supplemental death contribution rate is determined annually for each participating municipality as a percentage of that city’s covered payroll. The contribution rate finances the expected benefit payments each year on a pay-as-you-go basis. However, this method does not meet the parameters under GASB Statements No. 43 and 45. Therefore, for purposes of meeting the GASB financial reporting requirements, retiree benefits are evaluated using the projected unit credit actuarial cost method for determining the Other Post-Employment Benefits (“OPEB”) cost. To the extent that experience differs from what is expected, the pooled assets of the Supplemental Death Benefits Fund act as a reserve. Since the benefit from this Fund is a flat dollar amount, not subject to inflationary factors, and since the asset reserve is adequate to cover adverse experience, we believe that the pay-as-you-go funding approach is reasonable and appropriate.
The employer contribution rates for the municipalities participating in the TMRS Supplemental Death Benefits Fund are certified annually by the Board of Trustees. These rates are determined actuarially, based on the plan provisions in effect as of March 1, 2012 and the actuarial assumptions and methodology adopted by the Board. The Board’s current policy is that the contribution rates determined by a given actuarial valuation become effective one (1) year after the valuation date. For example, the rates determined by the December 31, 2011 actuarial valuation will be applicable for the calendar year beginning January 1, 2013 and ending December 31, 2013.

The TMRS staff supplied all of the member data and annuitant data for active and retired members as of December 31, 2011. We did not audit this data, but we did apply a number of tests to the data and we concluded that it was reasonable and consistent with the prior year's data. The TMRS staff also supplied all of the asset data and financial information as of December 31, 2011. The amounts of the assets in the actuarial valuations agree with the amounts as reported by TMRS.

All of our work conforms with generally accepted actuarial principles and practices, and with the Actuarial Standards of Practice issued by the Actuarial Standards Board. In our opinion, our calculations also comply with the requirements of the TMRS Act and, where applicable, the Internal Revenue Code and the Statements of the Governmental Accounting Standards Board.

The undersigned are independent actuaries and consultants. Both are Members of the American Academy of Actuaries, both meet all of the Qualification Standards of the American Academy of Actuaries, and both are experienced in performing valuations for large public retirement systems.

Respectfully submitted,

Mark R. Randall, MAAA, FCA, EA
Executive Vice President & Senior Consultant

Joseph P. Newton, MAAA, FSA, EA
Senior Consultant
These actuarial assumptions were developed from an actuarial investigation of the experience of TMRS over the four-year period from January 1, 2006 to December 31, 2009. They were adopted by the Board of Trustees in May 2011 and first used in the December 31, 2010 actuarial valuation in conjunction with the fund restructuring of the Pension Trust Fund that resulted from the passage of SB 350 in 2011.

I. Economic Assumptions

A. General Inflation – General inflation is assumed to be 3.00% per year.

B. Discount/Crediting Rates – 4.25% per year, compounded annually, and derived as a blend of 5.00% for the portion of the benefits financed by advance funding contributions and a short-term interest rate for the portion of the benefits financed by current contributions.

C. Overall Payroll Growth – 3.00% per year, which is used to calculate the contribution rates for the retirement plan of each participating city as a level percentage of payroll. This represents the expected increase in total payroll. This increase rate is solely due to the effect of wage inflation on salaries, with no allowance for future membership growth.

II. Demographic Assumptions

A. Termination Rates

1. For the first 10 years of service, the base table rates vary by gender, entry age, and length of service. For each city the base table is then multiplied by a factor from 75% to 125% based on the experience of the individual city in comparison to the group as a whole. A further multiplier is applied depending on an employee’s classification: 1) Fire: 64%, 2) Police: 92%, or 3) Other: 105%. A sample of the base rates follows:

<table>
<thead>
<tr>
<th>Males</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>20</td>
<td>25</td>
<td>30</td>
<td>35</td>
<td>40</td>
<td>45</td>
<td>50</td>
<td>55</td>
<td>60</td>
<td>65</td>
</tr>
<tr>
<td></td>
<td>0.3298</td>
<td>0.3123</td>
<td>0.2930</td>
<td>0.2778</td>
<td>0.2641</td>
<td>0.2506</td>
<td>0.2364</td>
<td>0.2215</td>
<td>0.2057</td>
<td>0.1899</td>
</tr>
<tr>
<td></td>
<td>0.2707</td>
<td>0.2485</td>
<td>0.2235</td>
<td>0.2089</td>
<td>0.1987</td>
<td>0.1900</td>
<td>0.1811</td>
<td>0.1718</td>
<td>0.1623</td>
<td>0.1530</td>
</tr>
<tr>
<td></td>
<td>0.2229</td>
<td>0.2020</td>
<td>0.1775</td>
<td>0.1632</td>
<td>0.1538</td>
<td>0.1470</td>
<td>0.1410</td>
<td>0.1356</td>
<td>0.1307</td>
<td>0.1262</td>
</tr>
<tr>
<td></td>
<td>0.1876</td>
<td>0.1701</td>
<td>0.1490</td>
<td>0.1356</td>
<td>0.1264</td>
<td>0.1197</td>
<td>0.1149</td>
<td>0.1110</td>
<td>0.1082</td>
<td>0.1058</td>
</tr>
<tr>
<td></td>
<td>0.1620</td>
<td>0.1479</td>
<td>0.1305</td>
<td>0.1186</td>
<td>0.1099</td>
<td>0.1035</td>
<td>0.0987</td>
<td>0.0950</td>
<td>0.0926</td>
<td>0.0905</td>
</tr>
<tr>
<td></td>
<td>0.1426</td>
<td>0.1308</td>
<td>0.1163</td>
<td>0.1059</td>
<td>0.0980</td>
<td>0.0922</td>
<td>0.0970</td>
<td>0.0950</td>
<td>0.0926</td>
<td>0.0905</td>
</tr>
<tr>
<td></td>
<td>0.1249</td>
<td>0.1152</td>
<td>0.1033</td>
<td>0.0946</td>
<td>0.0880</td>
<td>0.0832</td>
<td>0.0799</td>
<td>0.0781</td>
<td>0.0777</td>
<td>0.0778</td>
</tr>
<tr>
<td></td>
<td>0.1094</td>
<td>0.1013</td>
<td>0.0914</td>
<td>0.0842</td>
<td>0.0789</td>
<td>0.0752</td>
<td>0.0730</td>
<td>0.0720</td>
<td>0.0723</td>
<td>0.0731</td>
</tr>
<tr>
<td></td>
<td>0.0979</td>
<td>0.0906</td>
<td>0.0818</td>
<td>0.0757</td>
<td>0.0713</td>
<td>0.0685</td>
<td>0.0669</td>
<td>0.0662</td>
<td>0.0666</td>
<td>0.0674</td>
</tr>
<tr>
<td></td>
<td>0.0867</td>
<td>0.0810</td>
<td>0.0744</td>
<td>0.0696</td>
<td>0.0661</td>
<td>0.0635</td>
<td>0.0616</td>
<td>0.0601</td>
<td>0.0591</td>
<td>0.0584</td>
</tr>
</tbody>
</table>
2. After 10 years of service, base termination rates vary by gender and by the number of years remaining until first retirement eligibility. For each city, the base table is then multiplied by a factor from 75% to 125% based on the experience of the individual city in comparison to the group as a whole. A further multiplier is applied depending on an employee’s classification: 1) Fire: 54%, 2) Police: 80%, or 3) Other: 109%. A sample of the base rates follows:

<table>
<thead>
<tr>
<th>Years From Retirement</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0.0171</td>
<td>0.0219</td>
</tr>
<tr>
<td>2</td>
<td>0.0244</td>
<td>0.0307</td>
</tr>
<tr>
<td>3</td>
<td>0.0300</td>
<td>0.0374</td>
</tr>
<tr>
<td>4</td>
<td>0.0348</td>
<td>0.0431</td>
</tr>
<tr>
<td>5</td>
<td>0.0390</td>
<td>0.0480</td>
</tr>
<tr>
<td>6</td>
<td>0.0429</td>
<td>0.0525</td>
</tr>
<tr>
<td>7</td>
<td>0.0464</td>
<td>0.0566</td>
</tr>
<tr>
<td>8</td>
<td>0.0497</td>
<td>0.0604</td>
</tr>
<tr>
<td>9</td>
<td>0.0528</td>
<td>0.0640</td>
</tr>
<tr>
<td>10</td>
<td>0.0557</td>
<td>0.0674</td>
</tr>
<tr>
<td>11</td>
<td>0.0585</td>
<td>0.0706</td>
</tr>
<tr>
<td>12</td>
<td>0.0612</td>
<td>0.0737</td>
</tr>
<tr>
<td>13</td>
<td>0.0637</td>
<td>0.0766</td>
</tr>
<tr>
<td>14</td>
<td>0.0662</td>
<td>0.0794</td>
</tr>
<tr>
<td>15</td>
<td>0.0686</td>
<td>0.0822</td>
</tr>
</tbody>
</table>

Termination rates end at first eligibility for retirement.
B. **Forfeiture Rates** (withdrawal of member deposits from TMRS) for vested members vary by age and employer match, and they are expressed as a percentage of the termination rates shown in (A). The withdrawal rates for cities with a 2-to-1 match are shown below. 2% is added to the rates for 1½-to-1 cities, and 4% is added for 1-to-1 cities.

<table>
<thead>
<tr>
<th>Age</th>
<th>Percent of Terminating Employees Choosing to Take a Refund</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>52.0%</td>
</tr>
<tr>
<td>30</td>
<td>47.9%</td>
</tr>
<tr>
<td>35</td>
<td>43.8%</td>
</tr>
<tr>
<td>40</td>
<td>39.7%</td>
</tr>
<tr>
<td>45</td>
<td>35.6%</td>
</tr>
<tr>
<td>50</td>
<td>31.5%</td>
</tr>
<tr>
<td>55</td>
<td>27.4%</td>
</tr>
</tbody>
</table>

Forfeiture rates end at first eligibility for retirement.

C. **Service Retirees and Beneficiary Mortality Rates**

For calculating the actuarial liability and the supplemental death contribution rates, the gender-distinct RP2000 Combined Healthy Mortality Table projected to the year 2003 by Scale AA.

<table>
<thead>
<tr>
<th>Age</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>0.001053</td>
<td>0.000675</td>
</tr>
<tr>
<td>45</td>
<td>0.001450</td>
<td>0.001071</td>
</tr>
<tr>
<td>50</td>
<td>0.002025</td>
<td>0.001592</td>
</tr>
<tr>
<td>55</td>
<td>0.003421</td>
<td>0.002652</td>
</tr>
<tr>
<td>60</td>
<td>0.006428</td>
<td>0.004980</td>
</tr>
<tr>
<td>65</td>
<td>0.012210</td>
<td>0.009561</td>
</tr>
<tr>
<td>70</td>
<td>0.021222</td>
<td>0.016492</td>
</tr>
<tr>
<td>75</td>
<td>0.036267</td>
<td>0.027437</td>
</tr>
<tr>
<td>80</td>
<td>0.062456</td>
<td>0.044922</td>
</tr>
</tbody>
</table>
D. Disabled Annuitant Mortality Rates

For calculating the actuarial liability and the supplemental death contribution rates, the gender-distinct RP2000 Disabled Retiree Mortality Table with both male and female rates multiplied by 80%.

<table>
<thead>
<tr>
<th>Age</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>0.018057</td>
<td>0.005960</td>
</tr>
<tr>
<td>45</td>
<td>0.018057</td>
<td>0.005960</td>
</tr>
<tr>
<td>50</td>
<td>0.023180</td>
<td>0.009228</td>
</tr>
<tr>
<td>55</td>
<td>0.028354</td>
<td>0.013235</td>
</tr>
<tr>
<td>60</td>
<td>0.033634</td>
<td>0.017471</td>
</tr>
<tr>
<td>65</td>
<td>0.040139</td>
<td>0.022421</td>
</tr>
<tr>
<td>70</td>
<td>0.050066</td>
<td>0.030108</td>
</tr>
<tr>
<td>75</td>
<td>0.065654</td>
<td>0.041784</td>
</tr>
<tr>
<td>80</td>
<td>0.087498</td>
<td>0.057850</td>
</tr>
</tbody>
</table>

E. Pre-Retirement Mortality Rates — gender-distinct RP2000 Combined Healthy Mortality Table projected to the year 2003 by Scale AA, with a 5-year setback for both males and females.

<table>
<thead>
<tr>
<th>Age</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>0.000254</td>
<td>0.000162</td>
</tr>
<tr>
<td>25</td>
<td>0.000326</td>
<td>0.000182</td>
</tr>
<tr>
<td>30</td>
<td>0.000365</td>
<td>0.000198</td>
</tr>
<tr>
<td>35</td>
<td>0.000437</td>
<td>0.000256</td>
</tr>
<tr>
<td>40</td>
<td>0.000761</td>
<td>0.000459</td>
</tr>
<tr>
<td>45</td>
<td>0.001053</td>
<td>0.000675</td>
</tr>
<tr>
<td>50</td>
<td>0.001450</td>
<td>0.001071</td>
</tr>
<tr>
<td>55</td>
<td>0.002025</td>
<td>0.001592</td>
</tr>
<tr>
<td>60</td>
<td>0.003421</td>
<td>0.002652</td>
</tr>
<tr>
<td>65</td>
<td>0.006428</td>
<td>0.004980</td>
</tr>
</tbody>
</table>
F. Disability Rates

<table>
<thead>
<tr>
<th>Age</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>0.000042</td>
<td>0.000014</td>
</tr>
<tr>
<td>25</td>
<td>0.000049</td>
<td>0.000021</td>
</tr>
<tr>
<td>30</td>
<td>0.000095</td>
<td>0.000043</td>
</tr>
<tr>
<td>35</td>
<td>0.000265</td>
<td>0.000131</td>
</tr>
<tr>
<td>40</td>
<td>0.000673</td>
<td>0.000359</td>
</tr>
<tr>
<td>45</td>
<td>0.001295</td>
<td>0.000754</td>
</tr>
<tr>
<td>50</td>
<td>0.002082</td>
<td>0.001333</td>
</tr>
<tr>
<td>55</td>
<td>0.003061</td>
<td>0.002178</td>
</tr>
<tr>
<td>60</td>
<td>0.003842</td>
<td>0.002990</td>
</tr>
<tr>
<td>65</td>
<td>0.000042</td>
<td>0.000014</td>
</tr>
</tbody>
</table>

G. Service Retirement Rates (applied to both Active and Inactive Members)

The base table rates vary by gender, entry age group, and age. These rates are adjusted then multiplied by 2 factors based on 1) employee contribution rate and employer match and 2) if the city has a recurring COLA.

<table>
<thead>
<tr>
<th>Age</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Entry Age Groups</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ages 32 and under</td>
<td>Ages 48 and over</td>
</tr>
<tr>
<td>40-44</td>
<td>0.06 -</td>
<td>0.06 -</td>
</tr>
<tr>
<td>45-49</td>
<td>0.06 -</td>
<td>0.06 -</td>
</tr>
<tr>
<td>50-52</td>
<td>0.08 -</td>
<td>0.08 -</td>
</tr>
<tr>
<td>53</td>
<td>0.08 0.10 -</td>
<td>0.08 0.10 -</td>
</tr>
<tr>
<td>54</td>
<td>0.08 0.10 -</td>
<td>0.11 0.10 -</td>
</tr>
<tr>
<td>55-59</td>
<td>0.14 0.10 -</td>
<td>0.11 0.10 -</td>
</tr>
<tr>
<td>60</td>
<td>0.20 0.15 0.10</td>
<td>0.14 0.15 0.10</td>
</tr>
<tr>
<td>61</td>
<td>0.25 0.30 0.20</td>
<td>0.28 0.26 0.20</td>
</tr>
<tr>
<td>62</td>
<td>0.32 0.25 0.12</td>
<td>0.28 0.17 0.12</td>
</tr>
<tr>
<td>63</td>
<td>0.32 0.23 0.12</td>
<td>0.28 0.17 0.12</td>
</tr>
<tr>
<td>64</td>
<td>0.32 0.35 0.20</td>
<td>0.28 0.22 0.20</td>
</tr>
<tr>
<td>65</td>
<td>0.32 0.32 0.20</td>
<td>0.28 0.27 0.20</td>
</tr>
<tr>
<td>66-69</td>
<td>0.22 0.22 0.17</td>
<td>0.22 0.22 0.17</td>
</tr>
<tr>
<td>70-74</td>
<td>0.20 0.22 0.25</td>
<td>0.22 0.22 0.25</td>
</tr>
<tr>
<td>75 and over</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
</tr>
</tbody>
</table>

Note: For cities without a 20-year/any age retirement provision, the rates for entry ages 32 and under are loaded by 20% for ages below 60.
Plan design factors applied to base retirement rates are as follows:

<table>
<thead>
<tr>
<th>Employer Match</th>
<th>Employee Contribution Rate 5%</th>
<th>Employee Contribution Rate 6%</th>
<th>Employee Contribution Rate 7%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 1</td>
<td>0.75</td>
<td>0.80</td>
<td>0.84</td>
</tr>
<tr>
<td>1.5 - 1</td>
<td>0.81</td>
<td>0.86</td>
<td>0.92</td>
</tr>
<tr>
<td>2 - 1</td>
<td>0.86</td>
<td>0.93</td>
<td>1.00</td>
</tr>
</tbody>
</table>

Recurring COLA: 1.00
No Recurring COLA: 0.90

III. Methods and Assumptions

A. Valuation of Assets – For purposes of actuarial valuation, assets of the Supplemental Death Benefits Fund are valued at “fund value” (or fund balance), as these assets are pooled with those of the Pension Trust Fund under the provisions of the TMRS Act.

B. Actuarial Cost Method – For the Supplemental Death Benefit Fund for GASB purposes, the actuarial cost method used is the Projected Unit Credit actuarial cost method. Under this method, the member’s projected “other postemployment benefits” (OPEB) are assumed to accrue in equal portions each year over the member’s career. The actuarial present value of benefits allocated to a valuation year is called the normal cost. The actuarial present value of benefits allocated to all periods prior to the valuation year is called the actuarial accrued liability. The unfunded actuarial accrued liability is amortized over a constant 25-year amortization period as a level percentage of payroll.

The funding policy of this plan is to assure that adequate resources are available to meet all death benefit payments for the upcoming year; the intent is not to prefund retiree term life insurance during employees’ entire careers. As such, contributions are utilized to fund active member deaths on a pay-as-you-go basis; any excess contributions and investment income over payments then become net assets available for OPEB.

IV. Other Assumptions

1. Inactive Population: All non-vested members of a city are assumed to take an immediate refund if they are not contributing members in another city. Vested members not contributing in another city are assumed to take a deferred retirement benefit, except for those who have terminated in the past 12 months for whom one year of forfeiture probability is assumed. The forfeiture rates for inactive members of a city who are contributing members in another city are equal to the probability of termination multiplied by the forfeiture rates shown in II(A) and II(B), respectively. These rates are applied each year until retirement eligibility. Once a member is retirement eligible, he or she is assumed to commence benefits based on the service retirement rates shown in II(G).
2. There will be no recoveries once disabled.

3. Decrement timing: Decrement of all types are assumed to occur mid-year.

4. Eligibility testing: Eligibility for benefits is determined based upon the age at the nearest birthday and service at the nearest whole year on the date the decrement is assumed to occur.

5. Decrement relativity: Decrement rates are used directly from the experience study, without adjustment for multiple decrement table effects.

6. Incidence of contributions: Contributions are assumed to be received continuously throughout the year.

7. Benefit service: All members are assumed to accrue 1 year of eligibility service each year.
1. **Actuarial gain (loss)** — A measure of the difference between actual experience and that expected based upon the actuarial assumptions, during the period between two actuarial valuation dates, as determined in accordance with the actuarial cost method used.

2. **Actuarial accrued liability** — The actuarial present value of benefits attributable to all periods prior to the valuation date.

3. **Actuarial present value** — The value of an amount or series of amounts payable or receivable at various times, determined as of a given date (the valuation date) by the application of the actuarial assumptions.

4. **Annual required contributions (ARC)** — The employer’s periodic required contributions to the OPEB plan, calculated in accordance with GASB parameters under Statement 43.

5. **Actuarial value of assets** — The value of cash, investments, and other property belonging to the plan, as used by the actuary for the purpose of an actuarial valuation. For this OPEB plan, assets are valued at “fund value” (or fund balance) as these assets are pooled with those of the TMRS Pension Trust Fund, under the provisions of the TMRS Act.

6. **Funded ratio** — The actuarial value of assets expressed as a percentage of the actuarial accrued liability.

7. **Funding policy** — The program for the amounts and timing of contributions to be made by plan members and employers to provide the benefits specified by an OPEB plan.

8. **Other post-employment benefits (OPEB)** — Post-employment benefits other than pension benefits. Specifically, for TMRS, the $7,500 Supplemental Death Benefit payable to the retirees of municipalities that have elected to offer this benefit.

9. **Projected Unit Credit actuarial cost method** — A method under which the benefits of each individual included in the valuation are allocated by a consistent formula to valuation years based on years of service. Benefits are allocated equally to each year of service over the individual’s career from hire to retirement. Normal costs are based on the portion of the benefit allocated to the year following the valuation year. Accrued liabilities are based on benefits allocated to the time preceding the date of the actuarial valuation. Under this method, actuarial gains (or losses), as they occur, reduce (or increase) the unfunded actuarial liability.

10. **Supplemental death contribution rate** — The actuarial present value of Supplemental Death Benefits expected to be paid during the coming year, expressed as a percentage of the covered payroll. The benefits include those payable to both active and retired participants after retirement, under the provisions adopted by each municipality.

11. **Unfunded actuarial accrued liability** — The excess of the actuarial accrued liability over the actuarial value of assets.
### Summary of Actuarial Liabilities & Funding Progress

*(Supplemental Death Benefits Fund)*

**(Amounts in Millions of Dollars)**

<table>
<thead>
<tr>
<th>Annual Report Year</th>
<th>Actuarial Value of Assets (1)</th>
<th>Actuarial Accrued Liability (AAL) (2)</th>
<th>Funded Ratio (3)</th>
<th>Unfunded AAL (UAAL) (4) - (1)</th>
<th>Covered Payroll (5)</th>
<th>UAAL Divided by Covered Payroll (4) / (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>$24.7</td>
<td>$113.6</td>
<td>21.7 %</td>
<td>$88.9</td>
<td>$2,853.5</td>
<td>3.1 %</td>
</tr>
<tr>
<td>2008</td>
<td>26.1</td>
<td>120.9</td>
<td>21.6</td>
<td>94.8</td>
<td>2,985.0</td>
<td>3.2</td>
</tr>
<tr>
<td>2009</td>
<td>27.2</td>
<td>139.1</td>
<td>19.6</td>
<td>111.9</td>
<td>3,148.4</td>
<td>3.5</td>
</tr>
<tr>
<td>2010</td>
<td>27.1</td>
<td>147.7</td>
<td>18.3</td>
<td>120.6</td>
<td>3,103.5</td>
<td>3.9</td>
</tr>
<tr>
<td>2011</td>
<td>27.7</td>
<td>139.2</td>
<td>19.9</td>
<td>111.5</td>
<td>3,129.2</td>
<td>3.6</td>
</tr>
</tbody>
</table>

Each city participating in TMRS may elect, by ordinance, to offer supplemental death benefits for their active employees, including or not including retirees. The aggregate numbers shown above reflect the aggregate condition of TMRS OPEB benefits.
<table>
<thead>
<tr>
<th>City</th>
<th>Allen</th>
<th>Abilene</th>
<th>Alamo Heights</th>
<th>Albana</th>
<th>Alvarado</th>
<th>Alton</th>
<th>Aledo</th>
<th>Alice</th>
<th>Allen</th>
<th>Alpine</th>
<th>Alto</th>
<th>Alvarado</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SUMMARY OF ACTUARIAL INFORMATION</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Actuarial Accrued Liability</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Contributing Members</td>
<td>$546,673</td>
<td>$94,752,971</td>
<td>$45,699,265</td>
<td>$4,977,251</td>
<td>$7,710,609</td>
<td>$110,930</td>
<td>$146,313</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>56,496</td>
<td>17,947,802</td>
<td>9,695,325</td>
<td>693,724</td>
<td>2,274,789</td>
<td>0</td>
<td>30,137</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>$99,695</td>
<td>11,792,920</td>
<td>3,220,488</td>
<td>679,328</td>
<td>8,616,311</td>
<td>36,230</td>
<td>385,147</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Total Actuarial Accrued Liability</td>
<td>$912,864</td>
<td>$229,493,693</td>
<td>$90,615,578</td>
<td>$6,307,303</td>
<td>$18,601,709</td>
<td>$147,150</td>
<td>$534,597</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Actuarial value of assets</td>
<td>804,989</td>
<td>214,301,180</td>
<td>89,359,781</td>
<td>4,693,873</td>
<td>12,121,802</td>
<td>143,636</td>
<td>585,737</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</td>
<td>$107,875</td>
<td>$15,192,513</td>
<td>$1,255,797</td>
<td>$1,613,430</td>
<td>$6,479,907</td>
<td>$3,514</td>
<td>($51,140)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Funded Ratio: (3) / (2)</td>
<td>88.2%</td>
<td>93.4%</td>
<td>98.6%</td>
<td>74.4%</td>
<td>65.2%</td>
<td>97.6%</td>
<td>109.6%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Annual Payroll</td>
<td>$502,857</td>
<td>$9,066,247</td>
<td>$37,022,759</td>
<td>$2,046,400</td>
<td>$301,166</td>
<td>$1,859,456</td>
<td>$2,294,507</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| **CITY CONTRIBUTION RATES FOR 2013** |       |         |               |        |          |       |       |       |       |       |      |          |
| Retirement |       |         |               |        |          |       |       |       |       |       |      |          |
| Normal Cost | 2.55% | 9.04% | 9.41% | 4.94% | 7.65% | 2.01% | 0.79% |       |       |       |      |          |
| Prior Service | 1.53% | 2.44% | 0.68% | 2.58% | 8.29% | 0.11% | -0.65% |       |       |       |      |          |
| Total Retirement | 4.08% | 11.48% | 10.09% | 7.52% | 15.94% | 2.12% | 0.14% |       |       |       |      |          |
| Supplemental Death | 0.33% | 0.28% | 0.36% | 0.18% | 0.14% | 0.23% |       |       |       |       |      |          |
| Total Rate | 4.41% | 11.72% | 10.25% | 7.67% | 16.12% | 2.26% | 0.37% |       |       |       |      |          |
| Phase-In Rate (Minimum Contribution), Inc. Supplemental Death | N/A | N/A | N/A | N/A | N/A | N/A | N/A |       |       |       |      |          |
| Statutory Maximum Rate (Total Retirement Only) | N/A | 11.50% | 13.50% | 11.50% | 13.50% | 13.50% | N/A |       |       |       |      |          |

<p>| <strong>ADDITIONAL INFORMATION</strong> |       |         |               |        |          |       |       |       |       |       |      |          |
| GASB 25 Equivalent Single Amortization Period as of 1/2013 | 20.7 years | 24.9 years | 14.6 years | 26.1 years | 26.1 years | 23.0 years | 25.0 years |       |       |       |      |          |
| Number of annuitants | 6 | 224 | 134 | 14 | 59 | 1 | 7 |       |       |       |      |          |
| Number of active contributing members | 14 | 948 | 253 | 118 | 98 | 5 | 16 |       |       |       |      |          |
| Number of inactive members | 9 | 352 | 135 | 72 | 48 | 0 | 10 |       |       |       |      |          |
| Average age of contributing members | 41.4 years | 44.1 years | 41.5 years | 41.5 years | 40.5 years | 50.1 years | 43.1 years |       |       |       |      |          |
| Average length of service of contributing members | 9.4 years | 10.5 years | 9.5 years | 9.7 years | 2.9 years | 11.2 years | 3.6 years |       |       |       |      |          |</p>
<table>
<thead>
<tr>
<th>City</th>
<th>Actuarial Accrued Liability</th>
<th>Total Actuarial Accrued Liability</th>
<th>Actuarial Value of Assets</th>
<th>Unfunded/(overfunded) Actuarial Accrued Liability</th>
<th>Funded Ratio</th>
<th>Annual Payroll</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alvin</td>
<td>$24,044,715</td>
<td>$41,900,372</td>
<td>$33,237,906</td>
<td>$8,662,466</td>
<td>79.3%</td>
<td>$9,309,985</td>
</tr>
<tr>
<td>Alvarado</td>
<td>$76,014</td>
<td>$330,600</td>
<td>$148,615</td>
<td>$80,985</td>
<td>64.7%</td>
<td>$184,723</td>
</tr>
<tr>
<td>Amarillo</td>
<td>$150,025,526</td>
<td>$330,594,097</td>
<td>$306,539,097</td>
<td>$19,967,237</td>
<td>94.0%</td>
<td>$71,852,453</td>
</tr>
<tr>
<td>Anahuac</td>
<td>$5,566</td>
<td>$348,615</td>
<td>$152,732</td>
<td>$49,474</td>
<td>71.4%</td>
<td>$44,021</td>
</tr>
<tr>
<td>Andrews</td>
<td>$139,275</td>
<td>$762,228</td>
<td>$679,353</td>
<td>$376,207</td>
<td>89.1%</td>
<td>$381,856</td>
</tr>
<tr>
<td>Angleton</td>
<td>$8,972,291</td>
<td>$1,879,749</td>
<td>$1,528,479</td>
<td>$7,579,690</td>
<td>80.8%</td>
<td>$2,988,973</td>
</tr>
<tr>
<td>Austin</td>
<td>$9,944,041</td>
<td>$18,479,749</td>
<td>$18,411,989</td>
<td>$3,181,272</td>
<td>80.6%</td>
<td>$5,374,516</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City</th>
<th>Retirement Costs</th>
<th>Supplemental Death</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>11.25%</td>
<td>0.15%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>5.71%</td>
<td>0.15%</td>
</tr>
<tr>
<td>Total</td>
<td>16.96%</td>
<td>0.30%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City</th>
<th>Contributing Members</th>
<th>Noncontributing Members</th>
<th>Annuitants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actuarial Accrued Liability</td>
<td>$2,223,554</td>
<td>$117,091</td>
<td>$581,013</td>
</tr>
<tr>
<td>Total Payroll</td>
<td>$2,195,207</td>
<td>$555,246</td>
<td>$1,083,665</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City</th>
<th>Phase-In Rate</th>
<th>Statutory Maximum Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Contribution</td>
<td>15.92%</td>
<td>12.50%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City</th>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of annuitants</td>
<td>76</td>
</tr>
<tr>
<td>Number of active contributing members</td>
<td>221</td>
</tr>
<tr>
<td>Number of inactive members</td>
<td>124</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City</th>
<th>Average Age of Contributing Members</th>
<th>Average Length of Service of Contributing Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>41.1 years</td>
<td>48.3 years</td>
<td>4.3 years</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City</th>
<th>Retirement Costs</th>
<th>Supplemental Death</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>7.40%</td>
<td>0.11%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>3.09%</td>
<td>0.20%</td>
</tr>
<tr>
<td>Total</td>
<td>10.49%</td>
<td>1.30%</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>City</th>
<th>Contributing Members</th>
<th>Noncontributing Members</th>
<th>Annuitants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actuarial Accrued Liability</td>
<td>$2,000,000</td>
<td>$100,000</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Total Payroll</td>
<td>$1,999,999</td>
<td>$100,000</td>
<td>$1,000,000</td>
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</tbody>
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<tr>
<th>City</th>
<th>Phase-In Rate</th>
<th>Statutory Maximum Rate</th>
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<tbody>
<tr>
<td>Minimum Contribution</td>
<td>12.03%</td>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City</th>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of annuitants</td>
<td>3</td>
</tr>
<tr>
<td>Number of active contributing members</td>
<td>42</td>
</tr>
<tr>
<td>Number of inactive members</td>
<td>7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City</th>
<th>Average Age of Contributing Members</th>
<th>Average Length of Service of Contributing Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>40.0 years</td>
<td>46.7 years</td>
<td>5.0 years</td>
</tr>
</tbody>
</table>

<table>
<thead>
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<tr>
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<td>$2,000,000</td>
<td>$100,000</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Total Payroll</td>
<td>$1,999,999</td>
<td>$100,000</td>
<td>$1,000,000</td>
</tr>
</tbody>
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<thead>
<tr>
<th>City</th>
<th>Phase-In Rate</th>
<th>Statutory Maximum Rate</th>
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<tbody>
<tr>
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<td>12.03%</td>
<td>N/A</td>
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<th>City</th>
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<tbody>
<tr>
<td>40.0 years</td>
<td>46.7 years</td>
<td>5.0 years</td>
</tr>
</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members
   - b. Noncontributing Members
   - c. Annuitants
   - Total Actuarial Accrued Liability
   - Actuarial value of assets
   - Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - Funded Ratio: (3) / (2)

2. Total Payroll

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost
- Prior Service
- Total Retirement
- Supplemenal Death
- Total Rate
- Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- Statutory Maximum Rate (Total Retirement Only)

#### Supplemental Death

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013
- Number of annuitants
- Number of active contributing members
- Number of inactive members
- Average age of contributing members
- Average length of service of contributing members

---

### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members
   - b. Noncontributing Members
   - c. Annuitants
   - Total Actuarial Accrued Liability
   - Actuarial value of assets
   - Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - Funded Ratio: (3) / (2)

2. Total Payroll

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost
- Prior Service
- Total Retirement
- Supplemenal Death
- Total Rate
- Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- Statutory Maximum Rate (Total Retirement Only)

#### Supplemental Death

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013
- Number of annuitants
- Number of active contributing members
- Number of inactive members
- Average age of contributing members
- Average length of service of contributing members
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members
     - Bedford: $116,201
     - Barnerville: $664,945
     - Bastrop: $6,548,221
     - Bay City: $10,338,365
     - Bayou Vista: $16,100
     - Beaumont: $100,133,018
     - Total: $116,100
   - b. Noncontributing Members
     - Total: $1,011,333
   - c. Annuitants
     - Total: $186,365
2. **Total Actuarial Accrued Liability**
   - Total: $499,826
3. **Actuarial value of assets**
   - Total: $687,655
4. **Unfunded/(overfunded) actuarial accrued liability**
   - (2) - (3): ($187,829)
5. **Funded Ratio**: (3) / (2)
   - Total: 137.6%
6. **Annual Payroll**
   - Total: $475,408

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Normal Cost</th>
<th>Prior Service</th>
<th>Total Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
<th>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</th>
<th>Statutory Maximum Rate (Total Retirement Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retirement</td>
<td>2.01%</td>
<td>0.13%</td>
<td>0.13%</td>
<td>0.13%</td>
<td>0.00%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Prior Service</td>
<td>7.98%</td>
<td>11.12%</td>
<td>11.30%</td>
<td>11.30%</td>
<td>0.35%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>0.00%</td>
<td>9.21%</td>
<td>9.36%</td>
<td>9.36%</td>
<td>0.25%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.18%</td>
<td>0.35%</td>
<td>0.24%</td>
<td>0.24%</td>
<td>0.00%</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Total Rate</td>
<td>0.13%</td>
<td>11.30%</td>
<td>9.36%</td>
<td>9.36%</td>
<td>0.25%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 23.1 years
- Number of annuitants: 8
- Number of active contributing members: 338
- Average age of contributing members: 41.5 years

---

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members
     - Bedford: $14,754,091
     - Bee Cave: $1,724,692
     - Beeville: $4,702,393
     - Bellaire: $36,236,113
     - Bellmead: $3,932,670
     - Bells: $16,256
     - Total: $3,712,776
   - b. Noncontributing Members
     - Total: $355,195
   - c. Annuitants
     - Total: $639,034
2. **Total Actuarial Accrued Liability**
   - Total: $15,748,320
3. **Actuarial value of assets**
   - Total: $4,713,345
4. **Unfunded/(overfunded) actuarial accrued liability**
   - (2) - (3): ($1,735,947)
5. **Funded Ratio**: (3) / (2)
   - Total: 121.9%
6. **Annual Payroll**
   - Total: $19,209,192

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Normal Cost</th>
<th>Prior Service</th>
<th>Total Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
<th>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</th>
<th>Statutory Maximum Rate (Total Retirement Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retirement</td>
<td>1.08%</td>
<td>0.14%</td>
<td>1.22%</td>
<td>0.14%</td>
<td>0.00%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Prior Service</td>
<td>4.67%</td>
<td>6.38%</td>
<td>10.05%</td>
<td>12.15%</td>
<td>0.54%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>1.08%</td>
<td>6.38%</td>
<td>7.46%</td>
<td>7.46%</td>
<td>0.54%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>4.67%</td>
<td>0.14%</td>
<td>0.54%</td>
<td>0.54%</td>
<td>0.00%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Rate</td>
<td>1.22%</td>
<td>6.38%</td>
<td>7.46%</td>
<td>7.46%</td>
<td>0.54%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 23.1 years
- Number of annuitants: 8
- Number of active contributing members: 338
- Average age of contributing members: 41.5 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members: $7,981,569, $23,612,054, $105,217, $127,949, $1,912,639, $567,775, $21,012,161
   - Noncontributing Members: 5,358,881, 12,215,741, 17,184, 248,279, 972,576, 266,419, 500,345
4. Unfunded/(overfunded) actuarial accrued liability: ($2) - (3) = $1,094,039, $7,687,501, ($23,179), $47,425, $810,170, $66,545, $8,483,510
5. Funded Ratio: (3) / (2) = 92.5%, 80.2%, 115.9%, 89.4%, 76.0%, 89.2%, 78.5%

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th></th>
<th>Retirement</th>
<th>Supplementation</th>
<th>Total Retirement</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Normal Cost</strong></td>
<td>5.57%</td>
<td>0.20%</td>
<td>5.77%</td>
<td>92.5%</td>
<td>11.88%</td>
</tr>
<tr>
<td><strong>Prior Service</strong></td>
<td>1.04%</td>
<td>1.51%</td>
<td>2.55%</td>
<td>92.5%</td>
<td>5.80%</td>
</tr>
<tr>
<td><strong>Total Retirement</strong></td>
<td>6.61%</td>
<td>0.20%</td>
<td>6.81%</td>
<td>92.5%</td>
<td>16.69%</td>
</tr>
<tr>
<td><strong>Supplemental Death</strong></td>
<td>0.15%</td>
<td>0.10%</td>
<td>0.25%</td>
<td>92.5%</td>
<td>2.25%</td>
</tr>
<tr>
<td><strong>Total Rate</strong></td>
<td>6.81%</td>
<td>0.30%</td>
<td>7.11%</td>
<td>92.5%</td>
<td>18.94%</td>
</tr>
<tr>
<td><strong>Phase-In Rate (Minimum Contribution)</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>92.5%</td>
<td>5.60%</td>
</tr>
<tr>
<td><strong>Statutory Maximum Rate (Total Retirement Only)</strong></td>
<td>11.50%</td>
<td>N/A</td>
<td>11.50%</td>
<td>92.5%</td>
<td>18.94%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 26.0 years, 26.2 years, 24.9 years, 20.2 years, 26.0 years, 24.9 years, 26.2 years
- Number of annuitants: 61, 47, 1, 5, 9, 2, 105
- Number of active contributing members: 147, 111, 2, 11, 20, 12, 201
- Number of inactive members: 97, 29, 1, 7, 6, 13, 96
- Average age of contributing members: 41.2 years, 42.1 years, 54.2 years, 42.6 years, 41.4 years, 45.1 years
- Average length of service of contributing members: 8.6 years, 12.5 years, 11.5 years, 8.3 years

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members: $803,365, $208,466, $67,921, $355,683, $178,962, $36,503, $24,781,607
   - Noncontributing Members: 348,752, 83,613, 82,823, 53,109, 66,337, 1,545, 940,550
   - Annuitants: 707,024, 189,606, 112,559, 125,505, 63,546, 29,314, 8,270,780
3. Actuarial value of assets: $1,836,690, $499,015, $237,362, $600,971, $246,721, $93,484, $21,987,770
4. Unfunded/(overfunded) actuarial accrued liability: ($2) - (3) = $22,451, ($17,330), $25,941, ($66,674), $62,124, ($26,122), $12,005,167
5. Funded Ratio: (3) / (2) = 98.8%, 103.6%, 90.1%, 112.5%, 79.9%, 138.8%, 64.7%

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th></th>
<th>Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Normal Cost</strong></td>
<td>5.16%</td>
<td>0.23%</td>
<td>5.39%</td>
<td>98.8%</td>
<td>64.7%</td>
</tr>
<tr>
<td><strong>Prior Service</strong></td>
<td>0.20%</td>
<td>0.10%</td>
<td>0.30%</td>
<td>98.8%</td>
<td>18.60%</td>
</tr>
<tr>
<td><strong>Total Retirement</strong></td>
<td>5.36%</td>
<td>0.10%</td>
<td>5.46%</td>
<td>98.8%</td>
<td>18.60%</td>
</tr>
<tr>
<td><strong>Supplemental Death</strong></td>
<td>0.23%</td>
<td>0.10%</td>
<td>0.33%</td>
<td>98.8%</td>
<td>18.60%</td>
</tr>
<tr>
<td><strong>Total Rate</strong></td>
<td>5.59%</td>
<td>0.97%</td>
<td>6.56%</td>
<td>98.8%</td>
<td>18.60%</td>
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<tr>
<td><strong>Phase-In Rate (Minimum Contribution)</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>98.8%</td>
<td>18.60%</td>
</tr>
<tr>
<td><strong>Statutory Maximum Rate (Total Retirement Only)</strong></td>
<td>11.50%</td>
<td>N/A</td>
<td>11.50%</td>
<td>98.8%</td>
<td>18.60%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 26.7 years, 24.9 years, 20.9 years, 24.9 years, 21.8 years, 100.0 years, 26.4 years
- Number of annuitants: 12, 3, 1, 2, 2, 2, 52
- Number of active contributing members: 22, 14, 5, 4, 14, 5, 202
- Number of inactive members: 22, 14, 3, 2, 17, 2, 45
- Average age of contributing members: 45.5 years, 42.4 years, 39.5 years, 54.4 years, 38.1 years, 35.9 years, 43.3 years
- Average length of service of contributing members: 8.0 years, 5.3 years, 4.7 years, 13.3 years, 5.9 years, 2.4 years, 9.4 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Noncontributing Members: 3,433, 1,241,693, 26,154, 2,455,232, 21,909, 1,272,154, 138,603
   - Annuitants: 67,142, 1,975,082, 221,205, 18,091,675, 290,889, 4,269,196, 27,414
   - Total Actuarial Accrued Liability: $141,771, $10,336,655, $501,530, $33,569,486, $348,185, $11,373,921, $503,818

2. Actuarial value of assets: $215,072, $10,140,461, $500,010, $25,989,500, $407,193, $9,664,182, $521,295

3. Unfunded/(overfunded) actuarial accrued liability: ($73,301), $196,194, $1,520, $7,579,986, ($59,008), $1,709,739, ($17,477)

4. Funded Ratio: 151.7%, 98.1%, 99.7%, 77.4%, 116.9%, 85.0%, 103.5%

5. Annual Payroll: $222,110, $4,677,274, $361,443, $6,428,909, $208,936, $3,570,582, $501,957

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost: 0.93%, 4.86%, 3.87%, 10.06%, 0.66%, 8.14%, 0.06%
- Prior Service: -0.93%, 0.29%, 0.08%, 7.25%, -0.66%, 2.97%, -0.06%
- Total Retirement: -0.00%, 5.15%, 3.95%, 17.31%, 0.00%, 11.07%, 0.00%
- Supplemental Death: 0.19%, 0.00%, 0.36%, 0.19%, 0.23%, 0.23%, 0.00%
- Total Rate: 0.19%, 5.15%, 4.11%, 17.50%, 0.00%, 11.30%, 0.00%

#### Supplemental Death
- 0.19%, 0.00%, 0.16%, 0.19%, 0.23%, 0.23%, 0.00%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- N/A, N/A, N/A, 17.36%, N/A, 10.76%, N/A

#### Statutory Maximum Rate (Total Retirement Only)
- 7.50%, 10.50%, 9.50%, 7.50%, 11.50%, 9.50%

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2013
- -100.0 years, 21.5 years, 6.0 years, 26.0 years, 100.0 years, 26.2 years, 100.0 years

#### Number of annuitants
- 2, 30, 4, 80, 6, 44, 2

#### Number of active contributing members
- 9, 110, 11, 153, 7, 96, 14

#### Number of inactive members
- 2, 64, 5, 51, 9, 51, 13

#### Average age of contributing members
- 43.9 years, 41.1 years, 40.9 years, 41.3 years, 35.9 years, 44.6 years, 40.6 years

#### Average length of service of contributing members
- 4.9 years, 9.8 years, 7.6 years, 8.4 years, 3.2 years, 8.5 years, 9.9 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members: $3,280,564, $1,750,221, $3,354,033, $96,174, $19,256,895, $6,572,894, $3,856,109
   - Noncontributing Members: 1,791,596, 314,391, 853,349, 57,335, 2,280,460, 1,213,969, 1,594,368
   - Annuitants: 1,700,462, 675,444, 2,956,293, 50,414, 9,825,036, 6,163,634, 3,171,846
   - Total Actuarial Accrued Liability: $6,772,622, $2,740,056, $7,163,675, $203,923, $31,362,391, $13,950,497, $8,622,323

2. Actuarial value of assets: $4,822,373, $2,527,205, $5,861,466, $239,181, $30,755,197, $10,769,228, $6,186,172

3. Unfunded/(overfunded) actuarial accrued liability: ($1,950,249), $212,851, $1,302,209, ($35,258), $607,194, $3,181,269, $2,436,151

4. Funded Ratio: 71.2%, 92.2%, 81.8%, 117.3%, 98.1%, 77.2%, 71.7%

5. Annual Payroll: $3,094,790, $1,025,370, $2,178,320, $193,609, $10,288,862, $2,943,682, $3,006,711

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### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost: 7.25%, 7.10%, 6.37%, 1.26%, 5.74%, 8.5%, 7.5%
- Prior Service: 3.78%, 1.28%, 3.68%, -1.15%, 0.66%, 6.77%, 4.93%
- Total Retirement: 11.03%, 8.38%, 10.05%, 0.11%, 6.40%, 15.26%, 12.47%
- Supplemental Death: 0.25%, 0.19%, 0.21%, 0.23%, 0.00%, 0.21%, 0.14%
- Total Rate: 11.28%, 8.57%, 10.26%, 0.34%, 6.40%, 15.47%, 12.61%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- N/A, 10.00%, N/A, N/A, N/A, N/A, 12.05%

#### Statutory Maximum Rate (Total Retirement Only)
- 12.50%, 11.50%, 9.50%, 7.50%, 11.50%, N/A, 13.50%

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2013
- 27.1 years, 25.9 years, 26.0 years, 24.9 years, 11.1 years, 25.6 years, 26.5 years

#### Number of annuitants
- 34, 12, 31, 2, 6, 2, 27

#### Number of active contributing members
- 81, 27, 73, 6, 7, 7, 27

#### Number of inactive members
- 74, 25, 40, 7, 77, 27, 59

#### Average age of contributing members
- 44.1 years, 46.9 years, 42.5 years, 42.3 years, 34.6 years, 43.4 years, 38.8 years

#### Average length of service of contributing members
- 4.9 years, 10.6 years, 9.2 years, 6.3 years, 12.5 years, 10.6 years, 7.2 years
### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Bronte</th>
<th>Brownsville</th>
<th>Bryan</th>
<th>Bryanville</th>
<th>Bryanville PUB</th>
<th>Brownwood</th>
<th>Brownwood Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actuarial Accrued Liability</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>a. Contributing Members</td>
<td>$284,561</td>
<td>$1,120,533</td>
<td>$5,985,818</td>
<td>$163,072,307</td>
<td>$55,536,938</td>
<td>$17,523,410</td>
<td>$314,992</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>0</td>
<td>1,483,513</td>
<td>727,109</td>
<td>7,478,300</td>
<td>7029,685</td>
<td>2,069,802</td>
<td>50,307</td>
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<tr>
<td>c. Annuities</td>
<td>0</td>
<td>799,315</td>
<td>7,921,948</td>
<td>73,137,579</td>
<td>46,476,441</td>
<td>16,072,506</td>
<td>609,119</td>
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<tr>
<td>Total Actuarial Accrued Liability</td>
<td>$284,561</td>
<td>$3,403,361</td>
<td>$14,634,875</td>
<td>$243,688,186</td>
<td>$109,043,064</td>
<td>$35,665,713</td>
<td>$974,418</td>
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<tr>
<td>Actuarial value of assets</td>
<td>$69,286</td>
<td>$1,333,950</td>
<td>$12,931,322</td>
<td>$191,166,573</td>
<td>$91,922,770</td>
<td>$28,793,607</td>
<td>$913,422</td>
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<tr>
<td>1. Actuarial Accrued Liability</td>
<td>$264,275</td>
<td>$2,069,411</td>
<td>$1,703,553</td>
<td>$52,521,613</td>
<td>$17,120,294</td>
<td>$6,872,106</td>
<td>$60,996</td>
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<tr>
<td>2. Total Actuarial Accrued Liability</td>
<td>$3,403,361</td>
<td>$14,634,875</td>
<td>$243,688,186</td>
<td>$109,043,064</td>
<td>$35,665,713</td>
<td>$974,418</td>
<td></td>
</tr>
<tr>
<td>3. Actuarial value of assets</td>
<td>$1,333,950</td>
<td>$12,931,322</td>
<td>$191,166,573</td>
<td>$91,922,770</td>
<td>$28,793,607</td>
<td>$913,422</td>
<td></td>
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<tr>
<td>4. Unfunded (overfunded) actuarial accrued liability: (2) - (3)</td>
<td>$167,566</td>
<td>$3,910,598</td>
<td>$1,443,573</td>
<td>$42,401,553</td>
<td>$11,243,102</td>
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<td>$313,522</td>
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<td>5. Funded Ratio: (3) / (2)</td>
<td>64.0%</td>
<td>92.1%</td>
<td>88.4%</td>
<td>78.4%</td>
<td>84.3%</td>
<td>80.7%</td>
<td>93.7%</td>
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<tr>
<td>6. Annual Payroll</td>
<td>$122,034</td>
<td>$1,017,583</td>
<td>$3,105,262</td>
<td>$52,965,662</td>
<td>$22,782,391</td>
<td>$8,611,980</td>
<td>$400,304</td>
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### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th></th>
<th>Bronte</th>
<th>Brownsville</th>
<th>Bryan</th>
<th>Bryanville</th>
<th>Bryanville PUB</th>
<th>Brownwood</th>
<th>Brownwood Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>2.99%</td>
<td>6.40%</td>
<td>7.83%</td>
<td>13.43%</td>
<td>9.69%</td>
<td>6.80%</td>
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<tr>
<td>Prior Service</td>
<td>5.44%</td>
<td>1.67%</td>
<td>3.38%</td>
<td>6.10%</td>
<td>4.64%</td>
<td>4.88%</td>
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<tr>
<td>Total Retirement</td>
<td>8.43%</td>
<td>8.07%</td>
<td>11.21%</td>
<td>19.53%</td>
<td>14.33%</td>
<td>14.48%</td>
<td>7.82%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.20%</td>
<td>0.18%</td>
<td>0.00%</td>
<td>0.16%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>8.63%</td>
<td>8.16%</td>
<td>11.21%</td>
<td>19.69%</td>
<td>14.51%</td>
<td>14.48%</td>
<td>7.82%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Bronte</th>
<th>Brownsville</th>
<th>Bryan</th>
<th>Bryanville</th>
<th>Bryanville PUB</th>
<th>Brownwood</th>
<th>Brownwood Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Statutory Maximum Rate (Total Retirement Only)</td>
<td>5.80%</td>
<td>4.62%</td>
<td>11.34%</td>
<td>2.22%</td>
<td>7.89%</td>
<td>4.54%</td>
<td>3.96%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>-2.43%</td>
<td>-1.64%</td>
<td>7.76%</td>
<td>-2.22%</td>
<td>2.67%</td>
<td>-0.18%</td>
<td>2.04%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>3.37%</td>
<td>2.98%</td>
<td>19.10%</td>
<td>0.00%</td>
<td>10.56%</td>
<td>4.36%</td>
<td>6.00%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.00%</td>
<td>0.18%</td>
<td>0.00%</td>
<td>0.33%</td>
<td>0.13%</td>
<td>0.41%</td>
<td>0.23%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>3.37%</td>
<td>3.16%</td>
<td>19.10%</td>
<td>0.00%</td>
<td>10.69%</td>
<td>4.77%</td>
<td>6.23%</td>
</tr>
<tr>
<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
<td>N/A</td>
<td>N/A</td>
<td>17.97%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Statutory Maximum Rate (Total Retirement Only)</td>
<td>N/A</td>
<td>N/A</td>
<td>11.50%</td>
<td>N/A</td>
<td>13.50%</td>
<td>11.50%</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Bronte</th>
<th>Brownsville</th>
<th>Bryan</th>
<th>Bryanville</th>
<th>Bryanville PUB</th>
<th>Brownwood</th>
<th>Brownwood Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>GASB 25 Equivalent Single Amortization Period as of 1/2013</td>
<td>21.2 years</td>
<td>25.0 years</td>
<td>25.0 years</td>
<td>30.0 years</td>
<td>26.0 years</td>
<td>26.0 years</td>
<td>26.0 years</td>
</tr>
<tr>
<td>Number of annuitants</td>
<td>0</td>
<td>6</td>
<td>43</td>
<td>390</td>
<td>390</td>
<td>275</td>
<td>275</td>
</tr>
<tr>
<td>Number of active contributing members</td>
<td>4</td>
<td>35</td>
<td>84</td>
<td>1,101</td>
<td>1,101</td>
<td>390</td>
<td>390</td>
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<tr>
<td>Number of inactive members</td>
<td>0</td>
<td>36</td>
<td>27</td>
<td>175</td>
<td>175</td>
<td>69</td>
<td>69</td>
</tr>
<tr>
<td>Average age of contributing members</td>
<td>40.6 years</td>
<td>44.7 years</td>
<td>41.2 years</td>
<td>44.7 years</td>
<td>42.1 years</td>
<td>42.5 years</td>
<td>42.5 years</td>
</tr>
<tr>
<td>Average length of service of contributing members</td>
<td>4.2 years</td>
<td>5.5 years</td>
<td>11.1 years</td>
<td>4.8 years</td>
<td>5.7 years</td>
<td>8.7 years</td>
<td>8.7 years</td>
</tr>
</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members $1,118,579 $1,496,502 $4,554,382 $38,029,914 $8,107,943 $196,936 $103,081
   - b. Noncontributing Members 188,602 71,364 1,318,325 7,170,214 2,086,186 86,836 49,279
   - c. Annuitants 19,575 578,418 5,117,952 12,167,342 5,063,164 539,930 50,022

2. Total Actuarial Accrued Liability $1,326,756 $2,146,284 $10,990,659 $57,367,470 $15,257,293 $823,702 $202,382

3. Actuarial value of assets 934,737 2,187,668 9,680,939 41,736,377 12,818,132 922,240 183,384

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $392,019 ($41,384) $1,309,720 $15,631,093 $2,439,161 ($98,538) $18,998

5. Funded Ratio: (3) / (2) 70.5% 101.9% 88.1% 72.8% 84.0% 112.0% 90.6%

6. Annual Payroll $1,106,067 $526,521 $2,608,817 $17,410,613 $5,327,170 $636,458 $448,155

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th></th>
<th>Retirement</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Normal Cost</td>
<td>Prior Service</td>
<td>Total Retirement</td>
<td>Supplemental Death</td>
<td>Total Rate</td>
<td></td>
</tr>
<tr>
<td>Normal Cost</td>
<td>4.06%</td>
<td>2.45%</td>
<td>6.51%</td>
<td>0.13%</td>
<td>6.64%</td>
<td></td>
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<tr>
<td>Prior Service</td>
<td>9.44%</td>
<td>-0.49%</td>
<td>8.9%</td>
<td>0.27%</td>
<td>9.22%</td>
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<tr>
<td>Total Retirement</td>
<td>11.08%</td>
<td>5.49%</td>
<td>15.15%</td>
<td>0.25%</td>
<td>11.36%</td>
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</tr>
<tr>
<td>Supplemental Death</td>
<td>0.22%</td>
<td>0.14%</td>
<td>0.25%</td>
<td>0.32%</td>
<td>0.22%</td>
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</tr>
<tr>
<td>Total Rate</td>
<td>11.30%</td>
<td>5.90%</td>
<td>15.38%</td>
<td>0.57%</td>
<td>11.87%</td>
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<table>
<thead>
<tr>
<th></th>
<th>Phase-In Rate (Minimum Contribution), Inc. Supplemental Death</th>
<th>Statutory Maximum Rate (Total Retirement Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>N/A</td>
<td>14.73%</td>
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<td>N/A</td>
</tr>
<tr>
<td></td>
<td>N/A</td>
<td>15.00%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 21.5 years
- Number of annuitants: 2
- Number of active contributing members: 22
- Number of inactive members: 7
- Average age of contributing members: 44.6 years
- Average length of service of contributing members: 9.7 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members $4,361,259 $80,901 $1,237,008 $1,441,975 $3,825,002 $8,437,608 $63,168
   - b. Noncontributing Members 881,099 40,331 694,574 501,817 444,804 2,177,213 36,895
   - c. Annuitants 2,203,287 11,690 2,019,194 805,145 2,038,225 9,707,284 21,625

2. Total Actuarial Accrued Liability $7,445,645 $132,922 $3,950,776 $2,748,937 $6,308,031 $20,322,105 $101,191

3. Actuarial value of assets 7,121,747 178,817 2,812,960 1,990,059 4,950,942 16,844,807 101,685

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $323,898 ($45,895) $1,137,816 $758,878 $1,357,089 $3,477,298 ($494)

5. Funded Ratio: (3) / (2) 95.6% 134.5% 71.2% 72.4% 78.5% 82.9% 100.5%

6. Annual Payroll $1,945,582 $316,668 $1,106,622 $763,723 $2,296,278 $3,582,045 $22,295

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th></th>
<th>Retirement</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Normal Cost</td>
<td>Prior Service</td>
<td>Total Retirement</td>
<td>Supplemental Death</td>
<td>Total Rate</td>
<td></td>
</tr>
<tr>
<td>Normal Cost</td>
<td>9.16%</td>
<td>1.03%</td>
<td>10.19%</td>
<td>0.30%</td>
<td>10.45%</td>
<td></td>
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<tr>
<td>Prior Service</td>
<td>1.40%</td>
<td>-0.91%</td>
<td>9.18%</td>
<td>0.49%</td>
<td>9.64%</td>
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<tr>
<td>Total Retirement</td>
<td>10.58%</td>
<td>6.32%</td>
<td>15.40%</td>
<td>0.30%</td>
<td>10.84%</td>
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<tr>
<td>Supplemental Death</td>
<td>0.80%</td>
<td>0.16%</td>
<td>11.76%</td>
<td>0.32%</td>
<td>12.08%</td>
<td></td>
</tr>
<tr>
<td>Total Rate</td>
<td>10.81%</td>
<td>6.48%</td>
<td>15.68%</td>
<td>0.32%</td>
<td>12.20%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Phase-In Rate (Minimum Contribution), Inc. Supplemental Death</th>
<th>Statutory Maximum Rate (Total Retirement Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>N/A</td>
<td>15.00%</td>
</tr>
<tr>
<td></td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>N/A</td>
<td>11.50%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 25.7 years
- Number of annuitants: 19
- Number of active contributing members: 19
- Number of inactive members: 18
- Average age of contributing members: 52.7 years
- Average length of service of contributing members: 11.8 years
## Summary of Actuarial Information

### 1. Actuarial Accrued Liability
   - **a. Contributing Members**
     - Carrizo Springs: $1,966,797
     - Carrollton: $13,639,290
     - Carthage: $9,888,254
     - Castroville: $6,008,673
     - Cedar Hill: $1,646,359
   - **b. Noncontributing Members**
     - $2,239,546
   - **c. Annuitants**
     - $2,239,546

### 2. Total Actuarial Accrued Liability
   - **$4,209,932**

### 3. Actuarial Value of Assets
   - **$3,996,978**

### 4. Unfunded/(overfunded) Actuarial Accrued Liability
   - **($212,954)**

### 5. Funded Ratio: (3) / (2)
   - **94.9%**

### 6. Annual Payroll
   - **$1,034,786**

### City Contribution Rates for 2013

#### Retirement
   - Normal Cost 6.51%
   - Prior Service 1.31%
   - Total Retirement 7.82%
   - Supplemental Death 0.28%
   - Total Rate 8.10%

#### Supplemental Death
   - 0.28%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
   - 7.89%

#### Statutory Maximum Rate (Total Retirement Only)
   - 9.50%

### Additional Information

#### GASB 25 Equivalent Single Amortization Period as of 1/2013
   - 24.5 years

#### Number of annuitants
   - 18

#### Number of active contributing members
   - 36

#### Number of inactive members
   - 3

#### Average age of contributing members
   - 45.2 years

#### Average length of service of contributing members
   - 10.9 years

### Carrizo Springs

#### Summary of Actuarial Information

<table>
<thead>
<tr>
<th>Carrizo Springs</th>
<th>Carrollton</th>
<th>Carthage</th>
<th>Castroville</th>
<th>Cedar Hill</th>
<th>Cedar Park</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributing Members</td>
<td>$1,966,797</td>
<td>$13,639,290</td>
<td>$9,888,254</td>
<td>$6,008,673</td>
<td>$1,646,359</td>
</tr>
<tr>
<td>Noncontributing Members</td>
<td>$2,239,546</td>
<td>311,169,771</td>
<td>12,540,457</td>
<td>6,499,416</td>
<td>701,322</td>
</tr>
<tr>
<td>Annuitants</td>
<td>2,239,546</td>
<td>111,169,771</td>
<td>12,540,457</td>
<td>6,499,416</td>
<td>701,322</td>
</tr>
<tr>
<td>Contributing Members</td>
<td>$2,239,546</td>
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<td>Noncontributing Members</td>
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<td>12,540,457</td>
<td>6,499,416</td>
<td>701,322</td>
</tr>
<tr>
<td>Annuitants</td>
<td>2,239,546</td>
<td>111,169,771</td>
<td>12,540,457</td>
<td>6,499,416</td>
<td>701,322</td>
</tr>
</tbody>
</table>

### Continued
### SUMMARY OF ACTUARIAL INFORMATION

#### 1. Actuarial Accrued Liability

#### 2. Total Actuarial Accrued Liability: $227,788, $6,200,814, $1,245,245, $22,104, $5,125,573, $2,337,261, $449,578

#### 3. Actuarial value of assets: $213,241, $4,787,005, $937,218, $32,528, $3,678,308, $2,495,082, $546,642

#### 4. Unfunded/(overfunded) actuarial accrued liability: ($2) - (3): $14,547, $1,413,809, $308,027, ($10,424), $1,447,265, ($157,821), ($97,064)

#### 5. Funded Ratio: (3) / (2): 93.6%, 77.2%, 75.3%, 147.2%, 71.8%, 106.8%, 121.6%

#### 6. Annual Payroll: $256,952, $1,456,964, $252,063, $19,137, $3,551,443, $967,790, $383,509

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
   - Normal Cost: 2.27%, 9.75%, 9.62%, 0.00%, 5.91%, 4.56%, 1.29%
   - Prior Service: 0.40%, 5.94%, 7.86%, 0.00%, 2.77%, -1.03%, -1.29%
   - Total Retirement: 2.67%, 15.69%, 17.48%, 0.00%, 8.68%, 3.53%, 0.00%
   - Suplemental Death: 0.42%, 0.19%, 0.16%, 0.00%, 0.12%, 0.15%, 0.33%
   - Total Rate: 2.67%, 15.69%, 17.48%, 0.00%, 8.68%, 3.53%, 0.00%

#### Supplemental Death
   - 0.42%, 0.19%, 0.16%, 0.00%, 0.12%, 0.15%, 0.33%

#### Total Rate
   - 3.09%, 15.88%, 17.64%, 0.00%, 8.80%, 3.68%, 0.33%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
   - N/A, 14.82%, N/A, N/A, N/A, N/A, N/A

#### Statutory Maximum Rate (Total Retirement Only)
   - N/A, 13.50%, N/A, N/A, 9.50%, 7.50%, N/A

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 20.8 years, 26.2 years, 24.1 years, 0.0 years, 22.1 years, 24.9 years, 37.3 years
- Number of annuitants: 2, 24, 3, 1, 15, 17, 6
- Number of active contributing members: 8, 55, 6, 1, 83, 36, 13
- Number of inactive members: 0, 23, 1, 3, 47, 30, 7
- Average age of contributing members: 54.2 years, 42.9 years, 41.4 years, 28.9 years, 40.2 years, 46.6 years, 7.9 years
- Average length of service of contributing members: 7.7 years, 7.8 years, 6.5 years, 2.3 years, 6.8 years, 5.9 years, 7.6 years

### SUMMARY OF ACTUARIAL INFORMATION

#### 1. Actuarial Accrued Liability
   - b. Noncontributing Members: 640,827, 65,451, 176,311, 5,600,477, 1,058,247, 352,666, 2,662,603

#### 2. Total Actuarial Accrued Liability: $1,831,464, $949,302, $981,731, $69,307,462, $8,173,202, $1,520,621, $15,503,613

#### 3. Actuarial value of assets: $2,214,599, $1,095,726, $772,773, $51,532,446, $6,570,103, $1,613,467, $14,225,204

#### 4. Unfunded/(overfunded) actuarial accrued liability: ($2) - (3): ($383,135), ($146,424), $208,958, $17,775,016, $1,603,099, ($92,846), $1,278,409

#### 5. Funded Ratio: (3) / (2): 120.9%, 115.4%, 78.7%, 74.4%, 80.4%, 106.1%, 91.8%

#### 6. Annual Payroll: $907,890, $169,867, $647,618, $14,395,611, $3,204,553, $968,925, $3,875,987

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
   - Normal Cost: 7.40%, 9.83%, 6.60%, 11.30%, 6.25%, 1.93%, 9.60%
   - Prior Service: -2.66%, -5.43%, 1.96%, 7.61%, 3.07%, -0.60%, 2.03%
   - Total Retirement: 4.74%, 4.40%, 8.56%, 18.91%, 9.32%, 1.33%, 11.63%
   - Suplemental Death: 0.20%, 0.35%, 0.12%, 0.19%, 0.23%, 0.24%, 0.18%

#### Total Rate: 4.94%, 4.75%, 8.68%, 19.10%, 9.55%, 1.57%, 11.81%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
   - 4.38%, N/A, N/A, N/A, 9.18%

#### Statutory Maximum Rate (Total Retirement Only)
   - 11.50%, 9.50%, 7.50%, N/A
### Summary of Actuarial Information

#### 1. Actuarial Accrued Liability
   - **Contributing Members**: $1,701,652, $599,272, $1,397,266, $5,430,474, $115,591,038, $21,920,001, $37,665
   - **Noncontributing Members**: $191,017, $180,222, $497,782, $1,038,819, $24,542,259, $5,285,733, $4,079
   - **Annuitants**: $651,397, $267,233, $519,506, $4,208,757, $62,989,179, $9,438,131, $139,608

#### 2. Total Actuarial Accrued Liability: $2,544,066, $546,727, $2,414,556, $10,678,050, $203,122,476, $36,643,865, $181,352


#### 4. Unfunded/(overfunded) actuarial accrued liability: ($2) - (3) = ($587,642) ($41,139) ($359,627) $2,420,034 ($43,756,225) ($1,833,340) ($61,801)

#### 5. Funded Ratio: (3) / (2) = 76.9% 107.5% 114.9% 77.3% 78.5% 105.0% 134.1%

#### 6. Annual Payroll: $1,120,001, $185,093, $1,216,320, $2,409,936, $43,586,993, $10,065,707, $220,287

### City Contribution Rates for 2013

#### Retirement
   - **Normal Cost**: 8.64%, 5.88%, 7.94%, 10.54%, 11.50%, 8.12%, 1.75%
   - **Prior Service**: 3.21%, -1.40%, -1.86%, 6.14%, 6.15%, -1.09%, -1.75%
   - **Total Retirement**: 11.85%, 4.48%, 6.08%, 16.68%, 17.65%, 7.00%, 0.00%
   - **Supplemental Death**: 0.18%
   - **Total Rate**: 12.03%, 4.83%, 6.23%, 16.68%, 17.65%, 7.18%, 0.18%

#### Statutory Maximum Rate (Total Retirement Only): 13.50%, 11.50%, 13.50%, N/A, N/A, 13.50%, 8.50%

### Additional Information

#### GASB 25 Equivalent Single Amortization Period as of 1/2013: 26.2 years, 25.0 years, 25.0 years, 26.3 years, 26.2 years, 27.3 years, 25.4 years

#### Number of Annuitants: 8, 4, 7, 41, 273, 62, 2

#### Number of Active Contributing Members: 36, 4, 33, 73, 801, 163, 6

#### Number of Inactive Members: 15, 4, 35, 31, 380, 89, 2

#### Average Age of Contributing Members: 43.3 years, 47.8 years, 42.6 years, 45.8 years, 40.8 years, 43.4 years, 46.6 years

#### Average Length of Service of Contributing Members: 8.5 years, 5.6 years, 7.6 years, 9.7 years, 11.5 years, 13.2 years, 7.6 years

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### Summary of Actuarial Information for Other Municipalities

#### 1. Actuarial Accrued Liability
   - **Contributing Members**: $95,529, $1,322,541, $2,931,749, $1,258,190, $3,434,314, $54,313,688, $11,288,117
   - **Noncontributing Members**: 0, $837,889, $949,687, $70,393, $1,481,763, $5,173,909, $1,779,822
   - **Annuitants**: 0, $1,820,791, $1,546,693, $1,183,042, $3,265,639, $26,441,220, $4,430,796

#### 2. Total Actuarial Accrued Liability: $95,529, $3,981,221, $5,428,129, $2,511,625, $8,181,716, $85,928,817, $17,498,735


#### 4. Unfunded/(overfunded) actuarial accrued liability: ($2) - (3) = $4,037, $113,251, $1,025,419, $274,626, $948,354, $20,193,351, $4,376,849

#### 5. Funded Ratio: (3) / (2) = 95.8%, 97.2%, 81.1%, 89.1%, 84.4%, 76.9%, 75.0%

#### 6. Annual Payroll: $133,297, $1,157,598, $1,458,266, $955,098, $2,766,443, $21,781,937, $6,047,855

### City Contribution Rates for 2013

#### Retirement
   - **Normal Cost**: 1.42%, 7.59%, 9.30%, 4.11%, 5.41%, 11.41%, 9.25%
   - **Prior Service**: 0.22%, 0.65%, 4.34%, 1.78%, 2.11%, 5.69%, 4.40%
   - **Total Retirement**: 1.64%, 8.24%, 14.04%, 5.89%, 9.65%, 17.10%, 13.65%
   - **Supplemental Death**: 0.02%
   - **Total Rate**: 1.71%, 8.49%, 14.29%, 6.18%, 9.87%, 17.10%, 13.77%

#### Statutory Maximum Rate (Total Retirement Only): N/A, 12.50%, 12.50%, 7.50%, 11.50%, N/A, 13.50%

### Additional Information

#### GASB 25 Equivalent Single Amortization Period as of 1/2013: 19.9 years, 22.9 years, 25.8 years, 25.7 years, 26.0 years, 26.1 years, 26.7 years

#### Number of Annuitants: 0, 21, 17, 17, 43, 117, 33

#### Number of Active Contributing Members: 4, 37, 38, 29, 76, 385, 158

#### Number of Inactive Members: 0, 47, 30, 12, 63, 91, 93

#### Average Age of Contributing Members: 36.6 years, 44.0 years, 45.5 years, 45.6 years, 43.7 years, 42.0 years, 38.9 years

#### Average Length of Service of Contributing Members: 9.0 years, 5.8 years, 9.5 years, 10.4 years, 8.3 years, 10.4 years, 8.0 years
### SUMMARY OF ACTUARIAL INFORMATION

#### 1. Actuarial Accrued Liability
   - **a. Contributing Members**
     - Corpus: $856,432
     - Coppell: $66,890,294
     - Copper Canyon: $99,251
     - Copperas Cove: $2,199,451
     - Corinth: $19,815,912
     - Corpus Christi: $14,066,696
     - Corsicana: $241,572,886
   - **b. Noncontributing Members**
     - $125,582
   - **c. Annuitants**
     - $99,672

#### 2. Total Actuarial Accrued Liability
   - **a. Contributing Members**
     - Corpus: $1,001,296
     - Coppell: $94,209,582
     - Copper Canyon: $212,178
     - Copperas Cove: $170,355,610
     - Corinth: $73,638,635
     - Corpus Christi: $57,800,160
     - Corsicana: $719,669
   - **b. Noncontributing Members**
     - $18,882
   - **c. Annuitants**
     - $125,982

#### 3. Total Actuarial Accrued Liability
   - **a. Contributing Members**
     - Corpus: $1,001,296
     - Coppell: $94,209,582
     - Copper Canyon: $212,178
     - Copperas Cove: $170,355,610
     - Corinth: $73,638,635
     - Corpus Christi: $57,800,160
     - Corsicana: $719,669
   - **b. Noncontributing Members**
     - $18,882
   - **c. Annuitants**
     - $125,982

#### 4. Actuarial value of assets
   - Corpus: $939,678
   - Coppell: $77,485,332
   - Copper Canyon: $170,893
   - Copperas Cove: $34,888,305
   - Corinth: $16,268,326
   - Corpus Christi: $533,122,252
   - Corsicana: $1,040,576

#### 5. Unfunded/(overfunded) actuarial accrued liability
   - **(2) - (3)**
     - Corpus: $(61,618)
     - Coppell: $16,724,250
     - Copper Canyon: $41,285
     - Copperas Cove: $8,820,380
     - Corinth: $5,287,284
     - Corpus Christi: $(5,533)
     - Corsicana: $43,677,917

#### 6. Funded Ratio
   - Corpus: 93.8%
   - Coppell: 82.2%
   - Copper Canyon: 80.5%
   - Copperas Cove: 79.8%
   - Corinth: 75.5%
   - Corpus Christi: 92.4%
   - Corsicana: 100.5%

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
   - **Normal Cost**
     - Corpus: 5.30%
     - Coppell: 11.57%
     - Copper Canyon: 0.00%
     - Copperas Cove: 7.48%
     - Corinth: 9.36%
     - Corpus Christi: 7.19%
     - Corsicana: 2.04%
   - **Prior Service**
     - Corpus: 0.91%
     - Coppell: 4.18%
     - Copper Canyon: 3.96%
     - Copperas Cove: 4.77%
     - Corinth: 3.90%
     - Corpus Christi: 2.90%
     - Corsicana: -0.05%
   - **Total Retirement**
     - Corpus: 6.21%
     - Coppell: 15.75%
     - Copper Canyon: 3.96%
     - Copperas Cove: 12.25%
     - Corinth: 13.26%
     - Corpus Christi: 10.09%
     - Corsicana: 1.99%

#### Supplemental Death
   - Corpus: 0.26%
   - Coppell: 0.14%
   - Copper Canyon: 0.40%
   - Copperas Cove: 0.17%
   - Corinth: 0.10%
   - Corpus Christi: 0.00%
   - Corsicana: 0.22%

#### Total Rate
   - Corpus: 6.47%
   - Coppell: 15.89%
   - Copper Canyon: 4.36%
   - Copperas Cove: 12.42%
   - Corinth: 13.36%
   - Corpus Christi: 10.09%
   - Corsicana: 2.21%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
   - Corpus: N/A
   - Coppell: 15.74%
   - Copper Canyon: 12.31%
   - Copperas Cove: N/A
   - Corinth: N/A
   - Corpus Christi: N/A
   - Corsicana: 7.50%

#### Statutory Maximum Rate (Total Retirement Only)
   - Corpus: 8.50%
   - Coppell: N/A
   - Copper Canyon: 12.50%
   - Copperas Cove: 13.50%
   - Corinth: N/A
   - Corpus Christi: 7.50%
   - Corsicana: 10.09%

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2013
   - Corpus: 25.9 years
   - Coppell: 26.2 years
   - Copper Canyon: 8.6 years
   - Copperas Cove: 26.3 years
   - Corinth: 26.4 years
   - Corpus Christi: 199 years
   - Corsicana: 22.0 years

#### Number of annuitants
   - Corpus: 2
   - Coppell: 113
   - Copper Canyon: 0
   - Copperas Cove: 157
   - Corinth: 38
   - Corpus Christi: 1,736
   - Corsicana: 7

#### Number of active contributing members
   - Corpus: 13
   - Coppell: 368
   - Copper Canyon: 3
   - Copperas Cove: 267
   - Corinth: 145
   - Corpus Christi: 2,297
   - Corsicana: 24

#### Number of inactive members
   - Corpus: 2
   - Coppell: 163
   - Copper Canyon: 5
   - Copperas Cove: 171
   - Corinth: 74
   - Corpus Christi: 778
   - Corsicana: 10

#### Average age of contributing members
   - Corpus: 49.5 years
   - Coppell: 43.1 years
   - Copper Canyon: 59.5 years
   - Copperas Cove: 41.3 years
   - Corinth: 39.8 years
   - Corpus Christi: 45.4 years
   - Corsicana: 45.2 years

#### Average length of service of contributing members
   - Corpus: 13.4 years
   - Coppell: 12.5 years
   - Copper Canyon: 13.6 years
   - Copperas Cove: 11.2 years
   - Corinth: 9.7 years
   - Corpus Christi: 12.6 years
   - Corsicana: 10.6 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members
   b. Noncontributing Members
   c. Annuitants

2. Total Actuarial Accrued Liability
3. Actuarial value of assets
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
5. Funded Ratio: (3) / (2)
6. Annual Payroll

### CITY CONTRIBUTION RATES FOR 2013

- **Retirement**
  - Normal Cost
  - Prior Service
  - Total Retirement
  - Suplemental Death
  - Total Rate
- **GASB 25 Equivalent Single Amortization Period as of 1/2013**
- **Number of annuitants**
- **Number of active contributing members**
- **Number of inactive members**
- **Average age of contributing members**
- **Average length of service of contributing members**

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**
- **Number of annuitants**
- **Number of active contributing members**
- **Number of inactive members**
- **Average age of contributing members**
- **Average length of service of contributing members**

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<th>City</th>
<th>Cross Plains</th>
<th>Crowley</th>
<th>Crystal City</th>
<th>Cisco</th>
<th>Cuero</th>
<th>Daingerfield</th>
<th>Dayton</th>
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<td>$711,492</td>
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<td>1,250,339</td>
<td>1,420,818</td>
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<td>711,878</td>
<td>6,797</td>
<td>6,797</td>
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<tr>
<td>Annuitants</td>
<td>102,041</td>
<td>1,250,339</td>
<td>1,420,818</td>
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<td>18,681</td>
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### CITY CONTRIBUTION RATES FOR 2013

- **Retirement**
  - Normal Cost
  - Prior Service
  - Total Retirement
  - Suplemental Death
  - Total Rate
- **Statutory Maximum Rate (Total Retirement Only)**

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**
- **Number of annuitants**
- **Number of active contributing members**
- **Number of inactive members**
- **Average age of contributing members**
- **Average length of service of contributing members**

---
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members $10,557,957
   - Noncontributing Members 1,308,027
   - Annuitants 2,644,552

2. **Total Actuarial Accrued Liability** $14,680,536
3. **Actuarial value of assets** 10,326,312
4. **Unfunded/(overfunded) actuarial accrued liability** $4,354,224
5. **Funded Ratio** 70.3%
6. **Annual Payroll** $5,199,373

### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- Normal Cost 8.88%
- Prior Service 5.14%
- Total Retirement 14.02%
- Supplemental Death 0.16%
- Total Rate 14.18%

**Supplemental Death** 0.16%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death** N/A

**Statutory Maximum Rate (Total Retirement Only)** N/A

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**
- **Number of annuitants**
- **Number of active contributing members**
- **Number of inactive members**
- **Average age of contributing members**
- **Average length of service of contributing members**

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members $3,103,705
   - Noncontributing Members 675,260
   - Annuitants 3,077,814

2. **Total Actuarial Accrued Liability** $6,856,779
3. **Actuarial value of assets** 6,369,419
4. **Unfunded/(overfunded) actuarial accrued liability** $487,360
5. **Funded Ratio** 92.9%
6. **Annual Payroll** $1,244,640

### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- Normal Cost 10.37%
- Prior Service 2.42%
- Total Retirement 12.79%
- Supplemental Death 0.21%
- Total Rate 13.00%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death** N/A

**Statutory Maximum Rate (Total Retirement Only)** N/A

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**
- **Number of annuitants**
- **Number of active contributing members**
- **Number of inactive members**
- **Average age of contributing members**
- **Average length of service of contributing members**

### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- Normal Cost 10.37%
- Prior Service 2.42%
- Total Retirement 12.79%
- Supplemental Death 0.21%
- Total Rate 13.00%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death** N/A

**Statutory Maximum Rate (Total Retirement Only)** N/A

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**
- **Number of annuitants**
- **Number of active contributing members**
- **Number of inactive members**
- **Average age of contributing members**
- **Average length of service of contributing members**
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members: $1,656,000, $2,193,378, $217,439, $176,358, $23,377, $1,373,970, $5,558,352
   - Noncontributing Members: 250,340, 710,106, 12,506, 6,676, 14,950, 593,804, 1,466,169
   - Annuitants: 1,485,426, 286,609, 12,506, 0, 0, 471,118, 5,873,121

2. **Total Actuarial Accrued Liability**: $3,391,766, $3,190,093, $256,141, $183,034, $38,327, $2,438,892, $12,899,642

3. **Actuarial Value of Assets**: 3,685,877, 3,430,367, 264,815, 177,763, 1,663,745, 1,186,454, 11,864,547

4. **Unfunded/(Overfunded) Actuarial Accrued Liability**: $(294,111), $(240,274), $(8,674), $5,271, $12,610, $775,147, $1,035,095

5. **Funded Ratio**: 108.7%, 107.5%, 103.4%, 97.1%, 67.1%, 68.2%, 92.0%


### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- Normal Cost: 8.91%, 2.75%, 0.80%, 1.20%, 0.86%, 7.19%, 4.57%
- Prior Service: -2.11%, -0.54%, -0.11%, 0.11%, 0.61%, 5.33%, 1.26%
- Total Retirement: 6.80%, 2.21%, 0.69%, 1.31%, 1.47%, 12.52%, 5.83%
- Supplemental Death: 0.00%
- Total Rate: 6.80%, 2.21%, 0.69%, 1.31%, 1.47%, 12.52%, 5.83%

**Supplemental Death**
- Rate: 0.00%
- Total Rate: 6.80%, 2.21%, 0.69%, 1.31%, 1.47%, 12.52%, 5.83%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**
- N/A

**Statutory Maximum Rate (Total Retirement Only)**
- N/A 12.50% 7.50% N/A N/A N/A 13.50% 9.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 24.9 years 25.3 years 24.6 years 22.4 years 22.5 years 28.0 years 26.2 years
- **Number of Annuitants**: 13, 15, 1, 0, 0, 8, 49
- **Number of Active Contributing Members**: 29, 83, 10, 6, 5, 27, 117
- **Number of Inactive Members**: 8, 56, 6, 2, 12, 42, 73
- **Average Age of Contributing Members**: 45.8 years, 42.1 years, 47.0 years, 44.6 years, 44.4 years, 42.0 years, 39.9 years
- **Average Length of Service of Contributing Members**: 8.9 years, 7.5 years, 7.9 years, 7.5 years, 2.8 years, 8.3 years, 8.1 years

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members: $31,949,466, $1,583,720, $25,650,804, $919,096, $63,831, $187,868, $151,103
   - Noncontributing Members: 7,884,101, 365,262, 1,125,394, 40,085, 32,261, 38,948, 56,723
   - Annuitants: 42,986,490, 812,305, 20,325,536, 669,787, 63,684, 0, 404,792

2. **Total Actuarial Accrued Liability**: $82,820,057, $2,761,287, $47,101,734, $1,628,968, $159,776, $226,816, $612,555

3. **Actuarial Value of Assets**: 86,515,076, 2,813,480, 44,483,234, 1,834,901, 161,298, 504,566, 504,566

4. **Unfunded/(Overfunded) Actuarial Accrued Liability**: $(3,695,019), $(52,193), $2,618,500, $(305,793), $46,404, $65,018, $107,989

5. **Funded Ratio**: 104.5%, 101.9%, 94.4%, 112.0%, 71.0%, 71.3%, 82.4%

6. **Annual Payroll**: $14,666,972, $986,687, $13,039,706, $897,931, $169,609, $132,061, $229,143

### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- Normal Cost: 7.25%, 7.92%, 9.06%, 4.17%, 2.11%, 5.82%, 6.69%
- Prior Service: -1.59%, -0.33%, 1.21%, -1.37%, 1.95%, 4.32%, 3.41%
- Total Retirement: 5.66%, 7.59%, 10.26%, 2.80%, 4.06%, 10.14%, 10.10%
- Supplemental Death: 0.00%
- Total Rate: 5.66%, 7.59%, 10.26%, 2.80%, 4.06%, 10.14%, 10.10%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**
- N/A

**Statutory Maximum Rate (Total Retirement Only)**
- N/A 12.50% 11.50% 9.50% N/A N/A N/A

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 24.9 years 25.4 years 26.9 years 25.1 years 20.5 years 152 years 20.1 years
- **Number of Annuitants**: 13, 15, 1, 0, 0, 8, 49
- **Number of Active Contributing Members**: 29, 83, 10, 6, 5, 27, 117
- **Number of Inactive Members**: 8, 56, 6, 2, 12, 42, 73
- **Average Age of Contributing Members**: 42.6 years, 44.2 years, 43.0 years, 41.9 years, 54.7 years, 53.5 years, 54.7 years
- **Average Length of Service of Contributing Members**: 8.9 years, 7.5 years, 7.9 years, 7.5 years, 2.8 years, 8.3 years, 8.1 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members: $1,579,670, $72,781, $349,033, $91,870, $50,909,772, $3,538,566, $9,539,458
   - c. Annuitants: $884,781, $20,770, $580,067, $78,519, $24,992,466, $1,697,766, $7,941,753

2. **Total Actuarial Accrued Liability**: $2,704,163, $97,440, $1,103,838, $244,665, $81,113,291, $5,615,531, $19,636,079


4. **Unfunded/(overfunded) actuarial accrued liability**: $367,307, ($6,869), $113,424, $52,370, $22,882,179, $1,235,404, $2,314,519

5. **Funded Ratio**: 86.4%, 107.0%, 89.7%, 78.6%, 71.8%, 78.0%, 88.2%

6. **Annual Payroll**: $1,260,632, $117,830, $465,656, $225,410, $25,272,746, $1,753,427, $4,654,107

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- **Normal Cost**: 7.48%, 1.88%, 3.48%, 1.72%, 9.22%, 8.40%, 7.13%
- **Prior Service**: 1.78%, -0.37%, 1.51%, 1.62%, 5.52%, 4.3%, 3.06%
- **Total Retirement**: 9.26%, 1.51%, 4.99%, 3.34%, 14.74%, 12.71%, 10.19%
- **Supplemental Death**: 0.00%, 0.21%, 0.25%, 0.32%, 0.13%, 0.28%, 0.21%
- **Total Rate**: 9.26%, 1.51%, 5.28%, 3.58%, 14.87%, 12.91%, 10.40%

#### Annual Payroll
- Eldorado: $367,307, ($6,869), $113,424, $52,370, $22,882,179, $1,235,404, $2,314,519
- Ector: 86.4%, 107.0%, 89.7%, 78.6%, 71.8%, 78.0%, 88.2%
- Eden: $1,260,632, $117,830, $465,656, $225,410, $25,272,746, $1,753,427, $4,654,107

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 26.3 years, 24.7 years, 25.7 years, 21.2 years, 26.4 years, 26.2 years, 26.0 years
- **Number of annuitants**: 11, 1, 9, 5, 143, 20, 50
- **Number of active contributing members**: 34, 3, 14, 6, 662, 46, 106
- **Number of inactive members**: 24, 1, 10, 6, 191, 21, 45
- **Average age of contributing members**: 44.7 years, 50.5 years, 53.3 years, 51.3 years, 41.0 years, 42.4 years, 42.4 years
- **Average length of service of contributing members**: 8.3 years, 8.4 years, 9.7 years, 6.7 years, 8.2 years, 10.5 years, 12.2 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - b. Noncontributing Members: $312,322, 696,980, $868,169, $207,201, $17,719, $27,797, $18,262,413
   - c. Annuitants: 312,132, 696,980, $868,169, $207,201, $17,719, $27,797, $18,262,413

2. **Total Actuarial Accrued Liability**: $1,780,836, $1,636,615, $6,147,239, $531,054, $68,677, $818,573, $48,315,770

3. **Actuarial value of assets**: 1,520,848, 1,489,868, 4,882,894, 438,601, 62,051, 835,731, 40,157,529

4. **Unfunded/(overfunded) actuarial accrued liability**: $259,988, $146,747, $1,264,345, $92,453, $6,626, ($17,158), $8,158,241

5. **Funded Ratio**: 85.4%, 91.0%, 79.4%, 82.6%, 102.1%, 102.1%

6. **Annual Payroll**: $536,446, $1,011,071, $2,808,189, $268,733, $241,913, $777,605, $8,640,472

### CITY CONTRIBUTION RATES FOR 2013

#### Retirees
- **Normal Cost**: 7.41%, 1.74%, 3.06%, 2.69%, 0.26%, 3.29%, 13.64%
- **Prior Service**: 2.96%, 2.13%, 2.11%, 1.98%, 0.28%, 0.61%, 3.78%
- **Supplemental Death**: 0.30%, 0.21%, 0.05%, 0.09%, 0.28%, 0.31%, 0.28%
- **Total Rate**: 10.37%, 2.78%, 3.90%, 2.11%, 0.45%, 0.61%, 19.42%

#### Annual Payroll
- Eldorado: $367,307, ($6,869), $113,424, $52,370, $22,882,179, $1,235,404, $2,314,519
- Elgin: 85.4%, 91.0%, 79.4%, 82.6%, 102.1%, 83.1%
- Edgewood: $1,260,632, $117,830, $465,656, $225,410, $25,272,746, $1,753,427, $4,654,107

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 26.3 years, 24.7 years, 25.7 years, 21.2 years, 26.4 years, 26.2 years, 26.0 years
- **Number of annuitants**: 6, 16, 11, 2, 1, 2, 93
- **Number of active contributing members**: 18, 30, 67, 7, 9, 20, 160
- **Number of inactive members**: 6, 29, 37, 6, 7, 3, 33
- **Average age of contributing members**: 40.5 years, 43.5 years, 47.9 years, 47.4 years, 47.4 years, 45.1 years, 45.4 years
- **Average length of service of contributing members**: 9.1 years, 7.5 years, 7.5 years, 1.8 years, 10.5 years, 13.5 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $85,401,378 $119,305 $2,744,719 $2,490,721 $1,430,180 $2,611,057 $815,900
   b. Noncontributing Members 109,060,809 43,351 408,375 561,657 533,028 380,122 98,992
   c. Annuitants 662,276,266 168,504 1,219,317 234,768 1,798,530 133,859 116,772

2. Total Actuarial Accrued Liability $1,423,955,453 $331,160 $4,372,411 $3,287,146 $3,761,738 $3,125,038 $1,031,664

3. Actuarial value of assets 1,212,326,189 407,848 3,703,248 2,804,927 4,296,680 2,255,628 1,038,939

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $21,703,264 ($76,688) $669,163 $482,219 ($534,942) $869,410 ($7,275)

5. Funded Ratio: (3) / (2) 84.8% 123.2% 84.7% 85.3% 114.2% 72.2% 100.7%

6. Annual Payroll $23,651,373 $263,082 $1,511,524 $1,778,989 $1,767,991 $2,560,445 $920,594

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost 13.83% 1.96% 6.76% 10.29% 5.22% 5.29% 1.55%
- Prior Service 5.63% -1.83% 2.69% 1.65% -1.90% 2.31% -0.05%
- Total Retirement 19.46% 0.13% 9.45% 11.94% 3.32% 7.60% 1.50%
- Supplemental Death 0.00% 0.15% 0.23% 0.16% 0.21% 0.12% 0.27%
- Total Rate 19.46% 0.28% 9.68% 12.10% 3.53% 7.72% 1.77%

#### Statutory Maximum Rate (Total Retirement Only) N/A 9.50% 11.50% 13.50% 11.50% N/A 7.50%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013 26.1 years 25.1 years 26.5 years 26.5 years 25.1 years 22.0 years 24.8 years
- Number of annuitants 144 5 16 4 17 3 4
- Number of active contributing members 361 5 38 37 39 24 31
- Number of inactive members 139 5 37 24 17 9 9
- Average age of contributing members 44.2 years 36.0 years 44.0 years 43.1 years 45.2 years 42.9 years 40.3 years
- Average length of service of contributing members 14.1 years 36.0 years 10.3 years 6.3 years 6.2 years 6.2 years 6.2 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $502,342 $26,648 $82,004,739 $1,455,869 $215,392 $696,301 $24,927
   b. Noncontributing Members 57,225 86,316 27,256,493 577,083 47,746 191,293 0
   c. Annuitants 231,054 52,653 88,969,780 1,891,747 586,439 115,032 36,099

2. Total Actuarial Accrued Liability $790,621 $165,617 $198,231,012 $3,924,699 $849,577 $1,002,626 $61,026

3. Actuarial value of assets 651,645 90,324 167,716,459 3,272,305 679,315 520,590 76,225

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $138,976 $75,293 $30,514,553 $652,394 $170,262 $482,036 ($15,199)

5. Funded Ratio: (3) / (2) 82.4% 54.5% 84.6% 83.4% 80.0% 51.9% 124.9%

6. Annual Payroll $452,250 $96,553 $26,392,968 $1,150,980 $195,452 $827,327 $45,508

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost 1.63% 3.81% 12.73% 5.80% 7.39% 3.26% 1.65%
- Prior Service 2.18% 4.78% 7.07% 3.48% 5.35% 4.00% -1.65%
- Total Retirement 3.81% 8.59% 19.80% 9.28% 12.74% 7.27% 0.00%
- Supplemental Death 0.23% 0.92% 0.13% 0.20% 0.14% 0.18% 0.00%
- Total Rate 4.08% 9.51% 19.93% 9.48% 12.88% 7.41% 0.00%

#### Statutory Maximum Rate (Total Retirement Only) N/A N/A N/A N/A N/A N/A N/A

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013 20.7 years 26.1 years 26.3 years 26.1 years 26.1 years 22.0 years 40.1 years
- Number of annuitants 4 1 235 16 2 2 1
- Number of active contributing members 12 4 373 27 6 18 1
- Number of inactive members 9 8 216 27 6 12 0
- Average age of contributing members 47.2 years 46.3 years 42.5 years 45.0 years 40.9 years 43.1 years 40.3 years
- Average length of service of contributing members 13.6 years 17.2 years 12.7 years 8.8 years 6.9 years 10.0 years 8.3 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members
   - b. Noncontributing Members
   - c. Annuitants

2. Total Actuarial Accrued Liability

3. Actuarial value of assets

4. Unfunded (overfunded) actuarial accrued liability: (2) - (3)

5. Funded Ratio: (3) / (2)

6. Annual Payroll

#### CITY CONTRIBUTION RATES FOR 2013

- **Retirement**
  - Normal Cost
  - Prior Service
  - Total Retirement
  - Supplementation Death
  - Total Rate
  - Phase-In Rate (Minimum Contribution), Inc. Supplemental Death
  - Statutory Maximum Rate (Total Retirement Only)

- **Supplemental Death**

- **Phase-In Rate (Minimum Contribution), Inc. Supplemental Death**

- **Statutory Maximum Rate (Total Retirement Only)**

#### ADDITIONAL INFORMATION

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<th>Number of active contributing members</th>
<th>Number of inactive members</th>
<th>Average age of contributing members</th>
<th>Average length of service of contributing members</th>
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#### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members
   - b. Noncontributing Members
   - c. Annuitants

2. Total Actuarial Accrued Liability

3. Actuarial value of assets

4. Unfunded (overfunded) actuarial accrued liability: (2) - (3)

5. Funded Ratio: (3) / (2)

6. Annual Payroll

#### CITY CONTRIBUTION RATES FOR 2013

- **Retirement**
  - Normal Cost
  - Prior Service
  - Total Retirement
  - Supplementation Death
  - Total Rate
  - Phase-In Rate (Minimum Contribution), Inc. Supplemental Death
  - Statutory Maximum Rate (Total Retirement Only)

- **Supplemental Death**

- **Phase-In Rate (Minimum Contribution), Inc. Supplemental Death**

- **Statutory Maximum Rate (Total Retirement Only)**

#### ADDITIONAL INFORMATION

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<th>Number of annuitants</th>
<th>Number of active contributing members</th>
<th>Number of inactive members</th>
<th>Average age of contributing members</th>
<th>Average length of service of contributing members</th>
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</thead>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - **Contributing Members**: $28,835,750, $1,848,399, $97,301,613, $237,248, $34,063, $135,084, $149,836
   - **Noncontributing Members**: 6,512,014, 394,291, 8,821,513, 223,578, 4,887, 863, 0
   - **Annuitants**: 13,877,185, 1,463,366, 7,554,733, 414,433, 188,979, 0, 114,266

2. **Total Actuarial Accrued Liability**: $49,224,949, $3,706,056, $113,677,859, $875,259, $227,929, $135,947, $264,102

3. **Actuarial value of assets**: 39,062,666, 3,136,039, 82,772,110, 1,407,629, 217,805, 63,431, 35,870

4. **Unfunded/(overfunded) actuarial accrued liability**: $10,162,283, $570,017, $30,905,749, ($532,370), $10,124, $72,516, $228,232

5. **Funded Ratio**: 79.4%, 84.6%, 72.8%, 160.8%, 95.6%, 46.7%, 13.6%


### CITY CONTRIBUTION RATES FOR 2013

#### Retirement Costs for 2013:
- **Normal Cost**: 10.40%, 8.53%, 9.71%, 4.62%, 0.14%, 4.72%
- **Prior Service**: 5.07%, 3.97%, 3.99%, -4.01%, 0.80%, 148.7%
- **Total Retirement**: 15.47%, 12.50%, 13.30%, 0.61%, 0.94%, 195.9%
- **Supplemental Death**: 0.17%, 0.17%, 0.11%, 0.10%, 0.00%, 0.29%
- **Total Rate**: 15.64%, 12.67%, 13.41%, 0.71%, 1.07%, 198.8%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death:
- **Retirement**: N/A, N/A, 13.04%, N/A, N/A, N/A
- **Supplemental Death**: N/A, N/A, 13.04%, N/A, N/A, N/A

#### Statutory Maximum Rate (Total Retirement Only):
- **Phase-In Rate**: N/A, N/A, 13.50%, 13.50%, 7.50%, N/A, N/A

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 27.0 years, 25.3 years, 26.3 years, 25.0 years, 26.0 years, 23.0 years, 10.0 years
- **Number of annuitants**: 72, 13, 22, 22, 1, 0, 1
- **Number of active contributing members**: 199, 25, 82, 7, 4, 16, 5
- **Number of inactive members**: 82, 22, 26, 1, 1, 3, 0
- **Average age of contributing members**: 43.2 years, 43.7 years, 40.8 years, 37.8 years, 44.2 years, 40.8 years, 49.2 years
- **Average length of service of contributing members**: 11.3 years, 10.8 years, 9.2 years, 2.3 years, 5.8 years, 10.2 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - **Contributing Members**: $17,690,908, $5,930,901, $829,220, $1,042,991, $362,101,225, $1,042,686, $61,210
   - **Noncontributing Members**: 2,996,346, 1,562,728, 977,180, 170,405, 37,156,472, 283,591, 3,182
   - **Annuitants**: 11,773,772, 6,993,427, 379,317, 334,013, 285,421,064, 67,019, 225,651

2. **Total Actuarial Accrued Liability**: $32,461,026, $14,487,056, $2,185,717, $1,547,409, $684,678,761, $1,393,296, $290,043

3. **Actuarial value of assets**: 25,734,636, 11,952,210, 2,077,114, 1,137,383, 661,956,058, 1,237,531, 221,540


5. **Funded Ratio**: 79.3%, 82.5%, 95.0%, 73.5%, 96.7%, 88.8%, 76.4%

6. **Annual Payroll**: $10,028,924, $3,055,762, $467,071, $1,187,114, $128,494,145, $320,164, $135,380

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement Costs for 2013:
- **Normal Cost**: 6.29%, 9.79%, 11.90%, 3.07%, 10.43%, 15.2%, 3.00%
- **Prior Service**: 4.12%, 5.07%, 14.86%, 3.32%, 2.38%, 1.09%, 3.07%
- **Total Retirement**: 10.41%, 14.86%, 13.32%, 5.45%, 11.52%, 18.10%, 6.07%
- **Supplemental Death**: 0.62%, 0.30%, 0.32%, 0.13%, 0.13%, 0.47%, 0.47%
- **Total Rate**: 10.62%, 15.18%, 13.64%, 5.58%, 11.70%, 18.57%, 6.07%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death:
- **Retirement**: N/A, N/A, 13.04%, N/A, N/A, N/A, N/A
- **Supplemental Death**: N/A, N/A, 13.04%, N/A, N/A, N/A, N/A

#### Statutory Maximum Rate (Total Retirement Only):
- **Phase-In Rate**: N/A, N/A, 13.50%, 13.50%, 7.50%, N/A, N/A

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 26.1 years, 26.3 years, 26.3 years, 21.6 years, 25.9 years, 28.3 years, 26.6 years
- **Number of annuitants**: 99, 50, 5, 7, 1, 2, 2
- **Number of active contributing members**: 208, 69, 11, 17, 26, 1928, 7
- **Number of inactive members**: 88, 44, 5, 17, 435, 6, 3
- **Average age of contributing members**: 43.8 years, 42.4 years, 52.0 years, 43.1 years, 44.2 years, 55.6 years, 40.7 years
- **Average length of service of contributing members**: 11.4 years, 9.4 years, 8.8 years, 11.3 years, 13.0 years, 15.9 years, 5.6 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members: $6,677,019
   - Noncontributing Members: 733,809
   - Annuitants: 4,690,822
   - Total Contributing Members: $6,677,019
   - Total Noncontributing Members: 733,809
   - Total Annuitants: 4,690,822
   - Total Actuarial Accrued Liability: $12,101,650

2. Total Actuarial Accrued Liability
   - Contributing Members: $869,614
   - Noncontributing Members: 6,133,645
   - Annuitants: 173,454
   - Total Contributing Members: $869,614
   - Total Noncontributing Members: 6,133,645
   - Total Annuitants: 173,454
   - Total Actuarial Value of Assets: $9,504,429

3. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - Retirement: 17.8% (26.3 years)
   - Prior Service: 12.2% (22.1 years)
   - Total Retirement: 13.0% (24.9 years)

4. Funded Ratio: (3) / (2)
   - Retirement: 78.5% (26.3 years)
   - Prior Service: 58.5% (22.1 years)
   - Total Retirement: 68.5% (24.9 years)

5. Annual Payroll
   - Retirement: 2,924,313
   - Prior Service: 939,193
   - Total Retirement: 3,863,506

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost: 10.35%
- Prior Service: 5.43%
- Total Retirement: 15.78%

#### Supplements
- Normal Cost: 3.61%
- Prior Service: 0.14%
- Total Retirement: 3.75%

#### Statutory Maximum Rate
- Retirement: 15.68%
- Prior Service: 2.64%
- Total Retirement: 15.92%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 24.9 years
- Number of annuitants: 36
- Number of active members: 71
- Average age of contributing members: 44.1 years
- Average length of service: 10.4 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members: $5,269,814, $9,062,902, $13,142,129, $224,605,476, $1,634,058, $449,847, $58,841
   - Noncontributing Members: 1,150,209, 2,490,696, 3,179,403, 28,022,000, 233,878, 68,009, 165,285
   - Annuitants: 7,037,458, 2,411,277, 10,114,395, 132,717,721, 331,269, 439,494, 70,440

2. **Total Actuarial Accrued Liability**: $13,457,481, $13,964,875, $26,435,927, $385,345,197, $2,199,205, $957,350, $294,566

3. **Actuarial value of assets**: 10,850,650, 16,139,928, 20,189,061, 323,972,818, 1,978,615, 1,037,335, 350,159

4. **Unfunded/(overfunded) actuarial accrued liability**: ($2,606,831), ($2,175,053), $6,246,866, $61,372,379, $220,590, ($79,985), ($55,593)

5. **Funded Ratio**: 80.6%, 115.6%, 76.4%, 84.1%, 90.0%, 108.4%, 118.9%

6. **Annual Payroll**: $3,329,278, $8,623,045, $6,471,195, $69,013,339, $1,060,551, $545,787, $331,570

### CITY CONTRIBUTION RATES FOR 2013

- **Retirement**
  - Normal Cost: 8.41%, 3.98%, 10.32%, 12.34%, 4.47%, 3.96%, 1.62%
  - Prior Service: 4.8%, -1.3%, 5.16%, 5.46%, 1.29%, -0.92%, -1.06%
  - Total Retirement: 13.21%, 2.36%, 16.23%, 17.80%, 5.76%, 3.04%, 0.50%
  - SupPLEMENTAL DEATH: 0.33%, 0.21%, 0.16%, 0.17%, 0.22%, 0.00%, 0.00%
  - Total Rate: 13.54%, 2.57%, 16.39%, 17.97%, 5.98%, 3.04%, 0.56%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 26.1 years, 24.9 years, 26.2 years, 26.1 years, 25.6 years, 25.1 years, 24.8 years
- **Number of annuitants**: 57, 42, 55, 479, 10, 7, 3
- **Number of active contributing members**: 79, 192, 139, 1,112, 29, 12, 9
- **Number of inactive members**: 32, 126, 54, 344, 19, 12, 11
- **Average age of contributing members**: 45.6 years, 45.6 years, 42.3 years, 43.6 years, 46.7 years, 44.9 years, 49.8 years
- **Average length of service of contributing members**: 9.0 years, 8.1 years, 9.1 years, 10.4 years, 9.0 years, 9.1 years, 6.1 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members: $430,200, $179,251, $107,888,238, $45,576,676, $43,989, $3,690,270, $913,464
   - Noncontributing Members: 147,927, 46,428, 15,364,207, 6,983,231, 121,053, 1,671,093, 37,583
   - Annuitants: 17,311, 376,621, 63,435,744, 30,828,134, 140,285, 3,697,624, 123,545

2. **Total Actuarial Accrued Liability**: $595,438, $602,300, $186,688,189, $83,388,041, $305,327, $9,058,987, $1,074,592


4. **Unfunded/(overfunded) actuarial accrued liability**: ($4,022), $143,964, $43,644,766, $4,135,491, ($39,096), $1,653,875, $229,785

5. **Funded Ratio**: 100.7%, 76.1%, 76.6%, 95.0%, 112.8%, 81.7%, 78.6%

6. **Annual Payroll**: $1,206,489, $373,020, $36,403,599, $16,858,573, $264,497, $1,714,129, $1,282,077

### CITY CONTRIBUTION RATES FOR 2013

- **Retirement**
  - Normal Cost: 0.86%, 2.47%, 12.33%, 9.77%, 3.06%, 11.51%
  - Prior Service: 0.02%, 2.38%, 7.34%, 1.51%, 0.93%, 5.88%
  - Total Retirement: 0.84%, 4.82%, 19.67%, 11.28%, 0.13%, 7.05%
  - SupPLEMENTAL DEATH: 0.15%, 0.20%, 2.24%, 0.11%, 0.19%, 0.24%
  - Total Rate: 0.99%, 4.82%, 20.00%, 11.48%, 0.14%, 7.19%

- **Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**: N/A, N/A, 18.67%, N/A, N/A, 17.29%

- **Statutory Maximum Rate (Total Retirement Only)**: N/A, 7.50%, N/A, N/A, 9.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 27.1 years, 26.4 years, 26.2 years, 26.0 years, 25.0 years, 26.4 years, 21.0 years
- **Number of annuitants**: 1, 7, 223, 185, 2, 2, 13
- **Number of active contributing members**: 27, 11, 537, 336, 6, 28, 36
- **Number of inactive members**: 22, 3, 199, 114, 6, 9, 9
- **Average age of contributing members**: 44.7 years, 50.2 years, 45.3 years, 45.0 years, 35.6 years, 45.9 years, 48.5 years
- **Average length of service of contributing members**: 9.6 years, 8.1 years, 9.1 years, 10.4 years, 9.0 years, 9.1 years, 6.1 years
### SUMMARY OF ACTUARIAL INFORMATION

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<th>Groom</th>
<th>Groves</th>
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<th>Gun Barrel City</th>
<th>Gunter</th>
<th>Haltom City</th>
<th>Hamilton</th>
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<td>a. Contributing Members</td>
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<td>b. Noncontributing Members</td>
<td>1,649</td>
<td>1,410,217</td>
<td>283</td>
<td>266,955</td>
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<td>82,376</td>
<td>212,240</td>
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<td>c. Annuitants</td>
<td>116,524</td>
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<td>4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</td>
<td>($26,665)</td>
<td>$1,410,217</td>
<td>283</td>
<td>266,955</td>
<td>305,857</td>
<td>5,738</td>
<td>82,376</td>
<td>212,240</td>
<td>1,061,084</td>
<td>303,420</td>
</tr>
<tr>
<td>5. Funded Ratio: (3) / (2)</td>
<td>113.6%</td>
<td>97.1%</td>
<td>117.1%</td>
<td>94.8%</td>
<td>96.8%</td>
<td>133.4%</td>
<td>60.3%</td>
<td>100.0%</td>
<td>100.0%</td>
<td>100.0%</td>
</tr>
<tr>
<td>6. Annual Payroll</td>
<td>$128,280</td>
<td>$6,034,863</td>
<td>$165,179</td>
<td>$282,153</td>
<td>$1,623,184</td>
<td>$419,832</td>
<td>$364,747</td>
<td>$412,000</td>
<td>$2,069,180</td>
<td>$350,420</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost: 3.42% 8.79% 1.73% 4.44% 4.53% 0.70% 0.27%
- Prior Service: -1.31% 0.92% -0.65% 1.21% 0.27% -0.70% 1.91%
- Total Retirement: 2.11% 9.71% 1.12% 5.65% 4.80% 0.00% 2.18%
- Supplemental Death: 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%
- Total Rate: 2.11% 9.71% 1.12% 5.65% 4.80% 0.00% 2.18%

#### Supplemental Death
- 0.00% 0.00% 0.13% 0.00% 0.17% 0.10% 0.11%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- N/A N/A N/A N/A N/A N/A N/A

#### Statutory Maximum Rate (Total Retirement Only)
- 7.50% N/A 7.50% 12.50% 11.50% N/A N/A

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 24.9 years 24.6 years 25.3 years 21.6 years 22.4 years 24.9 years 20.9 years
- Number of annuitants: 3 76 2 3 12 2 1
- Number of active contributing members: 4 99 8 7 45 9 10
- Number of inactive members: 1 21 1 7 22 5 11
- Average age of contributing members: 55.9 years 43.7 years 52.4 years 37.8 years 44.6 years 41.1 years 42.6 years
- Average length of service of contributing members: 7.5 years 146 years 5.1 years 6.3 years 5.9 years 3.0 years 5.6 years

---

### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Hallsville</th>
<th>Haltom City</th>
<th>Hamilton</th>
<th>Hallsville</th>
<th>Happy</th>
<th>Harker Heights</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Actuarial Accrued Liability</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Contributing Members</td>
<td>$3,213,247</td>
<td>$290,472</td>
<td>$39,461,936</td>
<td>$1,731,447</td>
<td>$714,422</td>
<td>$68,689</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>486,323</td>
<td>9,016</td>
<td>10,089,888</td>
<td>262,863</td>
<td>322,800</td>
<td>85,471</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>1,299,921</td>
<td>263,891</td>
<td>33,774,189</td>
<td>1,209,478</td>
<td>1,548,581</td>
<td>370,975</td>
</tr>
<tr>
<td>3. Actuarial value of assets</td>
<td>$4,213,948</td>
<td>$332,634</td>
<td>$62,844,569</td>
<td>$2,314,551</td>
<td>$2,284,675</td>
<td>$418,267</td>
</tr>
<tr>
<td>4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</td>
<td>$785,543</td>
<td>$230,745</td>
<td>$20,481,444</td>
<td>$889,237</td>
<td>$301,128</td>
<td>$501,228</td>
</tr>
<tr>
<td>5. Funded Ratio: (3) / (2)</td>
<td>84.3%</td>
<td>59.0%</td>
<td>75.4%</td>
<td>72.2%</td>
<td>79.6%</td>
<td>71.0%</td>
</tr>
<tr>
<td>6. Annual Payroll</td>
<td>$1,219,879</td>
<td>$462,595</td>
<td>$15,353,882</td>
<td>$615,639</td>
<td>$452,018</td>
<td>$96,219</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost: 9.18% 1.23% 11.73% 12.19% 14.43% 14.46% 14.60%
- Prior Service: 3.96% 3.11% 8.17% 8.78% 4.08% 14.44% 14.46%
- Total Retirement: 13.14% 4.34% 19.90% 20.97% 14.43% 14.83% 14.60%
- Supplemental Death: 0.27% 0.11% 0.16% 0.36% 0.43% 0.14% 0.14%
- Total Rate: 13.41% 4.45% 20.06% 21.33% 14.83% 14.97% 14.60%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- N/A N/A 19.54% 19.99% N/A 13.05% 13.85%

#### Statutory Maximum Rate (Total Retirement Only)
- N/A N/A N/A N/A N/A N/A 13.50%
SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $30,732,881 $7,055,533 $58,947 $367,099 $973,951 $813,551 $6,733
   b. Noncontributing Members 7,626,955 2,273,192 26,866 115,785 343,770 19,626 0
   c. Annuitants 32,924,549 8,599,195 58,548 626,262 22,107 201,361 104,522

2. Total Actuarial Accrued Liability $71,284,385 $17,927,920 $144,361 $1,109,146 $1,339,828 $1,034,538 $111,255

3. Actuarial value of assets 71,016,037 19,016,723 79,610 1,422,160 1,164,252 1,198,416 131,501

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $268,348 ($1,088,803) $64,751 ($313,014) $175,576 ($163,878) ($20,246)

5. Funded Ratio: (3) / (2) 99.6% 106.1% 55.1% 128.2% 86.9% 115.8% 118.2%


CITY CONTRIBUTION RATES FOR 2013

Retirement
   Normal Cost 7.76% 3.64% 1.63% 2.02% 4.99% 6.50% 10.83%
   Prior Service 0.20% -1.30% 3.56% -2.02% 1.81% -2.73% -5.81%
   Total Retirement 7.96% 2.34% 5.19% 0.00% 6.80% 3.77% 5.02%
   Supplemental Death 0.23% 0.23% 0.00% 0.21% 0.08% 0.34% 0.60%
   Total Rate 8.19% 2.57% 5.19% 0.21% 6.88% 4.11% 5.62%

Phase-In Rate (Minimum Contribution), Incl. Supplemental Death N/A N/A N/A N/A N/A N/A N/A

Statutory Maximum Rate (Total Retirement Only) 15.50% 2.57% 5.19% 0.21% 6.88% 4.11% 5.62%

ADDITIONAL INFORMATION

GASB 25 Equivalent Single Amortization Period as of 1/2013 18.8 years 21.0 years 21.0 years 100.0 years 20.4 years 25.0 years 25.0 years
Number of annuitants 265 85 2 9 1 9 2
Number of active contributing members 305 132 4 15 17 11 1
Number of inactive members 100 48 2 5 9 3 0
Average age of contributing members 45.7 years 44.9 years 41.1 years 46.4 years 40.0 years 48.0 years 62.1 years
Average length of service of contributing members 13.7 years 9.9 years 6.4 years 7.0 years 9.3 years 13.6 years 2.3 years

SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $2,445,928 $4,203,752 $2,622 $2,496,312 $2,177,149 $1,195,125 $2,922,074
   b. Noncontributing Members 992,154 944,034 97,070 407,428 302,593 151,993 375,777
   c. Annuitants 2,199,781 865,720 24,054 566,467 451,170 252,458 4,460,383

2. Total Actuarial Accrued Liability $5,637,863 $6,013,506 $123,746 $3,470,207 $2,930,912 $1,599,576 $7,758,234

3. Actuarial value of assets 3,920,275 4,868,868 129,193 3,058,891 2,684,888 1,637,328 6,624,639

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $1,717,588 $1,144,638 ($5,447) $411,316 $246,024 ($37,752) $1,133,595

5. Funded Ratio: (3) / (2) 69.5% 81.0% 104.4% 88.1% 91.6% 102.4% 85.4%

6. Annual Payroll $2,016,297 $2,712,207 $50,682 $1,750,113 $2,525,508 $949,319 $2,257,599

CITY CONTRIBUTION RATES FOR 2013

Retirement
   Normal Cost 8.55% 6.24% 0.87% 5.29% 2.86% 4.74% 5.80%
   Prior Service 5.15% 2.97% -0.48% 1.65% 0.66% -0.29% 3.10%
   Total Retirement 13.70% 9.21% -0.48% 6.94% 3.52% 4.49% 8.90%
   Supplemental Death 0.13% 0.13% 0.30% 0.14% 0.15% 0.28% 0.52%
   Total Rate 13.87% 9.33% 0.48% 7.15% 3.63% 4.74% 9.06%

Phase-In Rate (Minimum Contribution), Incl. Supplemental Death N/A N/A N/A N/A N/A N/A N/A

Statutory Maximum Rate (Total Retirement Only) 13.50% 9.33% 0.48% 7.15% 3.63% 4.74% 9.06%

ADDITIONAL INFORMATION

GASB 25 Equivalent Single Amortization Period as of 1/2013 26.8 years 20.9 years 28.0 years 21.0 years 22.2 years 25.1 years 25.8 years
Number of annuitants 22 8 1 5 7 1 1
Number of active contributing members 55 38 2 28 57 24 56
Number of inactive members 36 30 2 9 16 5 27
Average age of contributing members 40.9 years 43.7 years 30.3 years 48.3 years 39.7 years 49.8 years 43.3 years
Average length of service of contributing members 13.7 years 11.7 years 1.4 years 12.4 years 10.7 years 9.7 years 8.1 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   
a. Contributing Members $11,458,206 $526,087 $6,699,648 $6,812,076 $1,020,572 $240,668 $8,508,173
   
b. Noncontributing Members 1,673,815 348,139 2,074,023 1,084,052 202,918 297,603 844,132
   
c. Annuitants 8,713,041 1,045,956 5,986,732 3,639,276 132,507 134,784 956,227
   
2. Total Actuarial Accrued Liability $21,845,062 $1,920,182 $14,760,403 $11,535,404 $1,355,997 $673,055 $10,308,532
   
3. Actuarial value of assets 16,992,515 1,389,512 12,428,677 8,728,777 1,286,992 700,914 8,788,536
   
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $4,852,547 $530,670 $2,331,726 $2,806,627 $69,005 ($27,859) $1,519,996
   
5. Funded Ratio: (3) / (2) 77.8% 72.4% 84.2% 75.7% 94.9% 104.1% 85.3%
   
6. Annual Payroll $5,282,159 $585,668 $4,100,326 $3,308,257 $1,064,397 $294,550 $5,012,711

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost 9.91% 9.82% 7.75% 9.43% 5.60% 6.74% 9.89%
- Prior Service 5.64% 5.55% 3.48% 5.20% 0.38% -0.60% 0.47%
- Total Retirement 15.55% 15.37% 11.23% 14.63% 5.98% 6.14% 10.35%
- Supplemental Death 0.17% 0.19% 0.18% 0.12% 0.11% 0.42% 0.00%
- Total Rate 15.72% 15.56% 11.41% 14.75% 6.09% 6.56% 11.73%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- 14.76% N/A 11.26% 13.87% N/A N/A 10.86%

#### Statutory Maximum Rate (Total Retirement Only)
- 14.76% N/A 11.50% 13.50% 11.50% 11.50% 13.50%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013 26.1 years 26.2 years 26.2 years 26.2 years 28.3 years 24.7 years 26.6 years
- Number of annuitants 54 9 35 18 4 4 12
- Number of active contributing members 118 17 91 78 21 8 134
- Number of inactive members 53 16 33 48 16 8 71
- Average age of contributing members 38.9 years 47.4 years 41.5 years 39.2 years 39.4 years 52.0 years 43.2 years
- Average length of service of contributing members 9.3 years 7.4 years 9.6 years 9.1 years 7.7 years 6.5 years 7.8 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   
a. Contributing Members $154,804 $31,097,969 $14,768,767 $673,134 $7,403,153 $1,364,160 $199,413
   
b. Noncontributing Members 0 3,887,449 3,590,929 348,862 1,894,813 469,478 154,633
   
   
2. Total Actuarial Accrued Liability $226,663 $56,101,958 $21,971,610 $1,193,458 $13,027,440 $2,337,561 $377,876
   
3. Actuarial value of assets 231,791 59,437,144 18,279,138 1,176,169 10,103,860 2,579,686 319,043
   
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) ($5,128) ($3,335,186) $3,692,472 $17,289 $2,923,580 ($242,125) $58,833
   
5. Funded Ratio: (3) / (2) 102.3% 105.9% 83.2% 98.6% 77.6% 110.4% 84.4%
   
6. Annual Payroll $64,571 $10,451,355 $8,017,179 $655,511 $4,276,629 $1,458,170 $172,500

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost 8.03% 7.72% 9.45% 2.48% 7.99% 0.78% 6.21%
- Prior Service -0.50% -2.01% 2.82% 0.20% 4.19% -1.05% 2.38%
- Total Retirement 7.53% 5.71% 12.27% 2.68% 12.18% 0.78% 6.50%
- Supplemental Death 0.29% 0.00% 0.14% 0.13% 0.00% 0.13% 0.29%
- Total Rate 7.82% 5.71% 12.41% 2.81% 12.18% 0.91% 6.80%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- N/A N/A N/A N/A 11.86% N/A N/A

#### Statutory Maximum Rate (Total Retirement Only)
- N/A N/A 12.50% 11.50% N/A 7.50% 10.50%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013 25.0 years 25.0 years 26.2 years 18.7 years 26.2 years 24.8 years 21.2 years
- Number of annuitants 1 80 35 3 43 7 1
- Number of active contributing members 2 121 136 14 109 44 4
- Number of inactive members 0 32 81 12 59 39 6
- Average age of contributing members 57.0 years 45.7 years 41.8 years 41.2 years 41.8 years 41.3 years 52.8 years
- Average length of service of contributing members 9.3 years 6.5 years 7.4 years 6.5 years 6.5 years 6.5 years 6.5 years

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**CONTINUED**
### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Hollywood Park</th>
<th>Hondo</th>
<th>Honey Grove</th>
<th>Hooke</th>
<th>Howe</th>
<th>Hubbard</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Actuarial Accrued Liability</td>
<td>$206,466</td>
<td>$1,877,439</td>
<td>$4,272,750</td>
<td>$673,891</td>
<td>$252,878</td>
<td>$775,468</td>
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<td>a. Contributing Members</td>
<td>73,041</td>
<td>537,190</td>
<td>1,241,844</td>
<td>160,559</td>
<td>170,724</td>
<td>707,675</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>0</td>
<td>1,028,257</td>
<td>1,241,844</td>
<td>160,559</td>
<td>170,724</td>
<td>707,675</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>0</td>
<td>1,028,257</td>
<td>1,241,844</td>
<td>160,559</td>
<td>170,724</td>
<td>707,675</td>
</tr>
<tr>
<td>2. Total Actuarial Accrued Liability</td>
<td>$279,507</td>
<td>$3,442,886</td>
<td>$10,919,702</td>
<td>$937,774</td>
<td>$658,630</td>
<td>$2,511,591</td>
</tr>
<tr>
<td>3. Actuarial value of assets</td>
<td>343,836</td>
<td>2,909,305</td>
<td>9,331,044</td>
<td>827,507</td>
<td>707,675</td>
<td>1,777,337</td>
</tr>
<tr>
<td>4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</td>
<td>($64,329)</td>
<td>$533,581</td>
<td>$1,588,658</td>
<td>$110,267</td>
<td>($49,045)</td>
<td>($25,356)</td>
</tr>
<tr>
<td>5. Funded Ratio: (3) / (2)</td>
<td>123.0%</td>
<td>84.5%</td>
<td>85.5%</td>
<td>88.2%</td>
<td>107.4%</td>
<td>104.2%</td>
</tr>
<tr>
<td>6. Annual Payroll</td>
<td>$342,739</td>
<td>$1,438,928</td>
<td>$3,429,866</td>
<td>$372,477</td>
<td>$502,954</td>
<td>$259,203</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Normal Cost</th>
<th>Prior Service</th>
<th>Total Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
<th>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</th>
<th>Statutory Maximum Rate (Total Retirement Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>1.99%</td>
<td>6.02%</td>
<td>6.89%</td>
<td>1.39%</td>
<td>7.60%</td>
<td>0.94%</td>
<td>N/A</td>
</tr>
<tr>
<td>Prior Service</td>
<td>-1.18%</td>
<td>2.28%</td>
<td>2.85%</td>
<td>0.78%</td>
<td>0.01%</td>
<td>-0.21%</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>0.81%</td>
<td>8.30%</td>
<td>9.11%</td>
<td>0.48%</td>
<td>7.27%</td>
<td>0.74%</td>
<td>N/A</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.00%</td>
<td>0.15%</td>
<td>0.15%</td>
<td>0.00%</td>
<td>0.15%</td>
<td>0.00%</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Rate</td>
<td>0.81%</td>
<td>8.45%</td>
<td>9.26%</td>
<td>0.53%</td>
<td>7.55%</td>
<td>0.97%</td>
<td>N/A</td>
</tr>
<tr>
<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Statutory Maximum Rate (Total Retirement Only)</td>
<td>9.50%</td>
<td>10.50%</td>
<td>11.00%</td>
<td>9.50%</td>
<td>7.50%</td>
<td>11.00%</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Hollywood Park</th>
<th>Hondo</th>
<th>Honey Grove</th>
<th>Hooke</th>
<th>Howe</th>
<th>Hubbard</th>
</tr>
</thead>
<tbody>
<tr>
<td>GASB 25 Equivalent Single Amortization Period as of 1/2013</td>
<td>25.1 years</td>
<td>26.0 years</td>
<td>26.0 years</td>
<td>26.0 years</td>
<td>25.3 years</td>
<td>25.0 years</td>
</tr>
<tr>
<td>Number of annuitants</td>
<td>0</td>
<td>11</td>
<td>38</td>
<td>3</td>
<td>4</td>
<td>7</td>
</tr>
<tr>
<td>Number of active contributing members</td>
<td>10</td>
<td>32</td>
<td>105</td>
<td>10</td>
<td>14</td>
<td>11</td>
</tr>
<tr>
<td>Number of inactive members</td>
<td>8</td>
<td>17</td>
<td>53</td>
<td>7</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>Average age of contributing members</td>
<td>40.6 years</td>
<td>40.7 years</td>
<td>43.0 years</td>
<td>44.6 years</td>
<td>42.9 years</td>
<td>49.3 years</td>
</tr>
<tr>
<td>Average length of service of contributing members</td>
<td>7.1 years</td>
<td>9.0 years</td>
<td>7.6 years</td>
<td>10.9 years</td>
<td>7.1 years</td>
<td>11.5 years</td>
</tr>
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</table>

### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Hudson</th>
<th>Hudson Oaks</th>
<th>Hughes Springs</th>
<th>Humble</th>
<th>Hunters Creek Village</th>
<th>Huntington</th>
<th>Huntsville</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Contributing Members</td>
<td>11,898</td>
<td>400,345</td>
<td>128,403</td>
<td>2,314,204</td>
<td>13,352</td>
<td>201,209</td>
<td>6,673,103</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>0</td>
<td>135,799</td>
<td>303,054</td>
<td>14,994,602</td>
<td>480,054</td>
<td>809,577</td>
<td>24,054,422</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>0</td>
<td>135,799</td>
<td>303,054</td>
<td>14,994,602</td>
<td>480,054</td>
<td>809,577</td>
<td>24,054,422</td>
</tr>
<tr>
<td>2. Total Actuarial Accrued Liability</td>
<td>$349,672</td>
<td>$1,973,857</td>
<td>$2,558,992</td>
<td>$47,504,410</td>
<td>$1,003,712</td>
<td>$2,635,125</td>
<td>$54,908,861</td>
</tr>
<tr>
<td>3. Actuarial value of assets</td>
<td>360,976</td>
<td>1,377,034</td>
<td>2,539,595</td>
<td>40,745,169</td>
<td>630,175</td>
<td>1,942,462</td>
<td>48,054,422</td>
</tr>
<tr>
<td>4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</td>
<td>($11,304)</td>
<td>$596,823</td>
<td>$19,397</td>
<td>$6,759,241</td>
<td>$373,537</td>
<td>$692,663</td>
<td>$6,854,385</td>
</tr>
<tr>
<td>5. Funded Ratio: (3) / (2)</td>
<td>103.2%</td>
<td>69.8%</td>
<td>99.2%</td>
<td>85.8%</td>
<td>62.8%</td>
<td>73.7%</td>
<td>87.5%</td>
</tr>
<tr>
<td>6. Annual Payroll</td>
<td>$647,985</td>
<td>$1,179,128</td>
<td>$562,345</td>
<td>$11,672,876</td>
<td>$409,574</td>
<td>$686,776</td>
<td>$12,708,555</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Normal Cost</th>
<th>Prior Service</th>
<th>Total Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
<th>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</th>
<th>Statutory Maximum Rate (Total Retirement Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>2.51%</td>
<td>7.59%</td>
<td>15.68%</td>
<td>3.61%</td>
<td>12.43%</td>
<td>6.80%</td>
<td>N/A</td>
</tr>
<tr>
<td>Prior Service</td>
<td>-0.11%</td>
<td>3.24%</td>
<td>0.20%</td>
<td>6.39%</td>
<td>6.17%</td>
<td>3.49%</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>0.06%</td>
<td>10.79%</td>
<td>15.88%</td>
<td>10.00%</td>
<td>18.60%</td>
<td>10.29%</td>
<td>N/A</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.01%</td>
<td>0.08%</td>
<td>0.08%</td>
<td>0.35%</td>
<td>0.18%</td>
<td>0.16%</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Rate</td>
<td>2.55%</td>
<td>10.87%</td>
<td>16.04%</td>
<td>14.88%</td>
<td>10.35%</td>
<td>18.79%</td>
<td>10.45%</td>
</tr>
<tr>
<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
<td>N/A</td>
<td>N/A</td>
<td>15.63%</td>
<td>14.38%</td>
<td>N/A</td>
<td>18.6%</td>
<td>N/A</td>
</tr>
<tr>
<td>Statutory Maximum Rate (Total Retirement Only)</td>
<td>13.50%</td>
<td>15.00%</td>
<td>N/A</td>
<td>13.50%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Hudson</th>
<th>Hudson Oaks</th>
<th>Hughes Springs</th>
<th>Humble</th>
<th>Hunters Creek Village</th>
<th>Huntington</th>
<th>Huntsville</th>
</tr>
</thead>
<tbody>
<tr>
<td>GASB 25 Equivalent Single Amortization Period as of 1/2013</td>
<td>24.9 years</td>
<td>28.8 years</td>
<td>26.0 years</td>
<td>21.1 years</td>
<td>26.2 years</td>
<td>29.9 years</td>
<td></td>
</tr>
<tr>
<td>Number of annuitants</td>
<td>0</td>
<td>6</td>
<td>3</td>
<td>8</td>
<td>6</td>
<td>137</td>
<td></td>
</tr>
<tr>
<td>Number of active contributing members</td>
<td>18</td>
<td>23</td>
<td>14</td>
<td>18</td>
<td>8</td>
<td>269</td>
<td></td>
</tr>
<tr>
<td>Number of inactive members</td>
<td>6</td>
<td>18</td>
<td>1</td>
<td>34</td>
<td>8</td>
<td>101</td>
<td></td>
</tr>
<tr>
<td>Average age of contributing members</td>
<td>41.0 years</td>
<td>46.9 years</td>
<td>42.6 years</td>
<td>49.5 years</td>
<td>40.6 years</td>
<td>41.4 years</td>
<td></td>
</tr>
<tr>
<td>Average length of service of contributing members</td>
<td>5.7 years</td>
<td>6.7 years</td>
<td>13.4 years</td>
<td>12.0 years</td>
<td>13.1 years</td>
<td>10.3 years</td>
<td></td>
</tr>
</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members $57,255,141 $2,629,482 $5,488,447 $170,515 $143,236 $3,399,444 $344,110
   - b. Noncontributing Members 9,199,251 971,677 846,630 92,640 23,720 712,514 114,664
   - c. Annuitants 48,511,174 408,815 803,649 363,233 0 2,623,796 84,545
   
2. **Total Actuarial Accrued Liability** $114,965,566 $4,009,974 $7,138,726 $626,388 $166,956 $6,735,754 $543,319

3. **Actuarial value of assets** 110,246,816 3,855,951 4,927,921 719,879 151,189 5,524,284 454,382

4. **Unfunded/(overfunded) actuarial accrued liability: (2) - (3)** $4,718,750 $154,023 $2,210,805 ($93,491) $15,767 $1,211,470 $88,937

5. **Funded Ratio: (3) / (2)** 95.9% 96.2% 69.0% 114.9% 90.6% 82.0% 83.6%

6. **Annual Payroll** $21,503,761 $2,586,387 $4,690,884 $312,923 $540,240 $2,465,968 $393,401

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost 9.41% 5.47%
- Prior Service 1.53% 3.29%
- Total Retirement 10.94% 5.47%
- Supplemental Death 0.00% 0.10%
- Total Rate 10.94% 5.57%

#### Supplemental Death
- 0.00% 0.10%

#### Total Rate
- 10.94% 5.57%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013** 21.2 years 26.8 years 21.2 years 100.0 years 20.2 years 25.9 years 21.6 years
- **Number of annuitants** 191 7 9 6 0 28 3
- **Number of active contributing members** 331 64 80 9 14 70 12
- **Number of inactive members** 137 41 36 8 10 37 7
- **Average age of contributing members** 42.0 years 39.8 years 39.3 years 40.9 years 38.5 years 45.5 years 50.2 years
- **Average length of service of contributing members** 12.8 years 7.3 years 8.6 years 3.3 years 8.7 years 96 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members $4,215,434 $342,973 $251,353,223 $88,888 $751,841 $3,511,709 $1,530,602
   - c. Annuitants 635,895 679,697 195,703,533 125,714 398,427 2,243,264 2,830,307
   
2. **Total Actuarial Accrued Liability** $5,559,617 $1,075,743 $490,233,443 $372,984 $1,219,028 $6,500,962 $5,054,016

3. **Actuarial value of assets** 4,341,728 839,544 485,288,159 232,905 1,148,590 5,264,444 3,910,061

4. **Unfunded/(overfunded) actuarial accrued liability: (2) - (3)** $1,217,889 $236,199 $4,945,284 $140,079 $70,438 $1,236,518 $1,143,955

5. **Funded Ratio: (3) / (2)** 78.1% 78.0% 99.0% 62.4% 94.2% 81.0% 77.4%

6. **Annual Payroll** $1,555,271 $215,428 $88,595,416 $565,474 $614,911 $2,568,019 $1,362,200

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost 11.03% 15.85%
- Prior Service 4.82% 4.82%
- Total Retirement 15.85% 15.85%
- Supplemental Death 0.22% 0.22%
- Total Rate 16.07% 16.07%

#### Supplemental Death
- 0.22% 0.22%

#### Total Rate
- 16.07% 16.07%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013** 26.0 years 26.0 years 26.0 years 20.4 years 24.0 years 20.4 years 26.0 years 26.0 years
- **Number of annuitants** 14 14 14 7 4 14 4 19
- **Number of active contributing members** 41 6 4 14 14 14 14 15
- **Number of inactive members** 31 2 2 8 8 8 8 33
- **Average age of contributing members** 45.8 years 52.3 years 43.7 years 43.7 years 43.7 years 43.7 years 43.7 years 43.7 years
- **Average length of service of contributing members** 11.7 years 8.6 years 13.7 years 4.1 years 4.1 years 4.1 years 4.1 years 4.1 years
# SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $10,288,662 $6,622,854 $845,965 $9,517,225 $707,923 $54,130 $973,716
   b. Noncontributing Members 1,532,621 837,963 123,376 2,169,876 31,701 4,186 13,129
   c. Annuitants 9,013,734 11,709,682 531,028 4,545,012 7,188 138,709 149,980

2. Total Actuarial Accrued Liability $20,835,017 $19,170,499 $1,500,369 $16,232,583 $746,812 $197,025 $1,136,825

3. Actuarial value of assets 17,922,419 17,998,032 1,144,280 12,021,178 597,193 155,943 897,730

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $2,912,598 $1,172,467 $356,089 $4,211,405 $149,619 $41,082 $239,095

5. Funded Ratio: (3) / (2) 86.0% 93.9% 76.3% 74.1% 80.0% 79.1% 79.0%


# CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th></th>
<th>Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
<th>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</th>
<th>Statutory Maximum Rate (Total Retirement Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>7.99%</td>
<td></td>
<td>11.35%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior Service</td>
<td>3.36%</td>
<td></td>
<td>3.36%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Retirement</td>
<td>11.35%</td>
<td></td>
<td>14.71%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.17%</td>
<td></td>
<td>0.17%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Rate</td>
<td>11.52%</td>
<td></td>
<td>14.88%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phase-In Rate</td>
<td>N/A</td>
<td></td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Statutory Max.</td>
<td>15.50%</td>
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<td>N/A</td>
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<td></td>
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</table>

# ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 26.1 years
- Number of annuitants: 8, 10, 2, 14
- Number of active contributing members: 130, 111, 22, 14
- Number of inactive members: 46, 52, 13, 4
- Average age of contributing members: 41.0 years, 42.7 years, 45.8 years, 45.0 years
- Average length of service of contributing members: 10.2 years, 9.6 years, 10.9 years, 10.4 years
## SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th>Component</th>
<th>Karnes City</th>
<th>Katy</th>
<th>Kaufman</th>
<th>Keene</th>
<th>Keller</th>
<th>Kemah</th>
<th>Kemp</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Actuarial Accrued Liability</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Contributing Members</td>
<td>$471,544</td>
<td>$20,471,989</td>
<td>$6,172,635</td>
<td>$4,332,354</td>
<td>$42,384,324</td>
<td>$1,953,030</td>
<td>$109,439</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>367,381</td>
<td>1,134,252</td>
<td>648,446</td>
<td>761,290</td>
<td>8,434,842</td>
<td>383,095</td>
<td>167,847</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>889,424</td>
<td>6,971,052</td>
<td>2,302,136</td>
<td>1,215,404</td>
<td>10,158,991</td>
<td>260,140</td>
<td>101,2</td>
</tr>
<tr>
<td><strong>2. Total Actuarial Accrued Liability</strong></td>
<td>$1,728,349</td>
<td>$28,577,293</td>
<td>$9,123,217</td>
<td>$6,299,048</td>
<td>$60,983,157</td>
<td>$2,596,265</td>
<td>$482,928</td>
</tr>
<tr>
<td><strong>3. Actuarial value of assets</strong></td>
<td>1,439,983</td>
<td>23,816,288</td>
<td>7,059,666</td>
<td>4,590,488</td>
<td>46,070,166</td>
<td>2,628,131</td>
<td>634,275</td>
</tr>
<tr>
<td><strong>4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</strong></td>
<td>$(288,366)</td>
<td>$(4,761,005)</td>
<td>$(2,063,551)</td>
<td>$(1,708,560)</td>
<td>$(14,912,991)</td>
<td>$(31,866)</td>
<td>$(151,347)</td>
</tr>
<tr>
<td><strong>5. Funded Ratio: (3) / (2)</strong></td>
<td>83.3%</td>
<td>83.3%</td>
<td>77.4%</td>
<td>72.9%</td>
<td>75.5%</td>
<td>101.2%</td>
<td>131.3%</td>
</tr>
<tr>
<td><strong>6. Annual Payroll</strong></td>
<td>$672,613</td>
<td>$7,259,602</td>
<td>$2,587,475</td>
<td>$2,086,670</td>
<td>$18,073,774</td>
<td>$1,868,330</td>
<td>$483,264</td>
</tr>
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</table>

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement

<table>
<thead>
<tr>
<th>Component</th>
<th>Karnes City</th>
<th>Katy</th>
<th>Kaufman</th>
<th>Keene</th>
<th>Keller</th>
<th>Kemah</th>
<th>Kemp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>2.93%</td>
<td>12.61%</td>
<td>9.97%</td>
<td>9.84%</td>
<td>9.97%</td>
<td>2.82%</td>
<td>1.24%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>2.63%</td>
<td>4.0%</td>
<td>4.88%</td>
<td>5.02%</td>
<td>5.06%</td>
<td>-0.1%</td>
<td>-1.24%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>5.56%</td>
<td>16.62%</td>
<td>14.85%</td>
<td>14.86%</td>
<td>15.03%</td>
<td>2.71%</td>
<td>0.0%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.22%</td>
<td>0.37%</td>
<td>0.20%</td>
<td>0.14%</td>
<td>0.13%</td>
<td>0.17%</td>
<td>0.0%</td>
</tr>
<tr>
<td><strong>Total Rate</strong></td>
<td>5.78%</td>
<td>16.88%</td>
<td>15.05%</td>
<td>15.06%</td>
<td>15.16%</td>
<td>2.82%</td>
<td>0.0%</td>
</tr>
<tr>
<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
<td>N/A</td>
<td>16.23%</td>
<td>15.04%</td>
<td>14.16%</td>
<td>N/A</td>
<td>N/A</td>
<td>7.50%</td>
</tr>
<tr>
<td><strong>Statutory Maximum Rate (Total Retirement Only)</strong></td>
<td>N/A</td>
<td>16.23%</td>
<td>15.04%</td>
<td>14.16%</td>
<td>N/A</td>
<td>N/A</td>
<td>7.50%</td>
</tr>
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</table>

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2013

<table>
<thead>
<tr>
<th>Component</th>
<th>Karnes City</th>
<th>Katy</th>
<th>Kaufman</th>
<th>Keene</th>
<th>Keller</th>
<th>Kemah</th>
<th>Kemp</th>
</tr>
</thead>
<tbody>
<tr>
<td>26.1 years</td>
<td>26.3 years</td>
<td>26.2 years</td>
<td>26.1 years</td>
<td>24.0 years</td>
<td>98.4 years</td>
<td>N/A</td>
<td>N/A</td>
</tr>
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</table>

#### Number of annuitants

<table>
<thead>
<tr>
<th>Component</th>
<th>Karnes City</th>
<th>Katy</th>
<th>Kaufman</th>
<th>Keene</th>
<th>Keller</th>
<th>Kemah</th>
<th>Kemp</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>32</td>
<td>23</td>
<td>12</td>
<td>66</td>
<td>6</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

#### Number of active contributing members

<table>
<thead>
<tr>
<th>Component</th>
<th>Karnes City</th>
<th>Katy</th>
<th>Kaufman</th>
<th>Keene</th>
<th>Keller</th>
<th>Kemah</th>
<th>Kemp</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>130</td>
<td>59</td>
<td>48</td>
<td>299</td>
<td>35</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

#### Number of inactive members

<table>
<thead>
<tr>
<th>Component</th>
<th>Karnes City</th>
<th>Katy</th>
<th>Kaufman</th>
<th>Keene</th>
<th>Keller</th>
<th>Kemah</th>
<th>Kemp</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>28</td>
<td>33</td>
<td>28</td>
<td>132</td>
<td>21</td>
<td>17</td>
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</tr>
</tbody>
</table>

#### Average age of contributing members

<table>
<thead>
<tr>
<th>Component</th>
<th>Karnes City</th>
<th>Katy</th>
<th>Kaufman</th>
<th>Keene</th>
<th>Keller</th>
<th>Kemah</th>
<th>Kemp</th>
</tr>
</thead>
<tbody>
<tr>
<td>42.3 years</td>
<td>45.1 years</td>
<td>44.3 years</td>
<td>43.2 years</td>
<td>41.9 years</td>
<td>39.8 years</td>
<td>40.6 years</td>
<td>3.4 years</td>
</tr>
</tbody>
</table>

#### Average length of service of contributing members

<table>
<thead>
<tr>
<th>Component</th>
<th>Karnes City</th>
<th>Katy</th>
<th>Kaufman</th>
<th>Keene</th>
<th>Keller</th>
<th>Kemah</th>
<th>Kemp</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.3 years</td>
<td>12.2 years</td>
<td>11.7 years</td>
<td>9.2 years</td>
<td>11.2 years</td>
<td>10.3 years</td>
<td>3.4 years</td>
<td>N/A</td>
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</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members
      - Kingsville: $20,934,726
      - Kirby: $2,415,668
      - Kirbyville: $367,445
      - Knox City: $62,102
      - Kountze: $240,695
      - Kress: $160,862
      - Krugerville: $79,406
   b. Noncontributing Members
      - Kingsville: $5,573,367
      - Kirby: $1,178,404
      - Kirbyville: $996,537
      - Knox City: $112,064
      - Kountze: $111,983
      - Kress: $11,381
      - Krugerville: $2,641
   c. Annuitants
      - Kingsville: $18,129,100
      - Kirby: $1,178,404
      - Kirbyville: $991,537
      - Knox City: $121,819
      - Kountze: $111,983
      - Kress: $11,381
      - Krugerville: $0

2. Total Actuarial Accrued Liability
   - Kingsville: $44,637,193
   - Kirby: $5,176,566
   - Kirbyville: $1,550,625
   - Knox City: $359,823
   - Kountze: $374,692
   - Kress: $275,486
   - Krugerville: $85,588

3. Actuarial value of assets
   - Kingsville: $40,246,749
   - Kirby: $4,011,324
   - Kirbyville: $1,277,023
   - Knox City: $460,805
   - Kountze: $409,803
   - Kress: $254,086
   - Krugerville: $60,234

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - Kingsville: ($2) - ($3)
   - Kirby: ($1,165,242)
   - Kirbyville: ($273,602)
   - Knox City: ($100,982)
   - Kountze: ($35,111)
   - Kress: $21,400
   - Krugerville: $25,354

5. Funded Ratio: (3) / (2)
   - Kingsville: 90.2%
   - Kirby: 77.5%
   - Kirbyville: 82.4%
   - Knox City: 128.1%
   - Kountze: 109.4%
   - Kress: 92.2%
   - Krugerville: 70.4%

6. Annual Payroll
   - Kingsville: $9,350,884
   - Kirby: $1,746,196
   - Kirbyville: $700,157
   - Knox City: $255,765
   - Kountze: $778,306
   - Kress: $38,650
   - Krugerville: $206,289

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
   - Normal Cost: 8.30%
   - Prior Service: 2.89%
   - Total Retirement: 11.19%
   - Supplemental Death: 0.00%
   - Total Rate: 11.19%
   - Phase-In Rate (Minimum Contribution), Incl. Supplemental Death: N/A
   - Statutory Maximum Rate (Total Retirement Only): N/A

#### Supplemental Death
   - 0.00%
   - Total Rate: 0.00%
   - Phase-In Rate (Minimum Contribution), Incl. Supplemental Death: N/A
   - Statutory Maximum Rate (Total Retirement Only): N/A

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 26.0 years
- Number of annuitants: 119
- Number of active contributing members: 248
- Number of inactive members: 111
- Average age of contributing members: 42.0 years
- Average length of service of contributing members: 10.8 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members
      - Krum: $427,034
      - Kyle: $6,619,693
      - La Coste: $146,104
      - La Feria: $3,151,071
      - La Grange: $5,757,884
      - La Grulla: $273,438
      - La Joya: $788,799
   b. Noncontributing Members
      - Krum: $316,595
      - Kyle: $620,862
      - La Coste: $413,167
      - La Feria: $401,879
      - La Grange: $482,424
      - La Grulla: $789,016
      - La Joya: $482,851
   c. Annuitants
      - Krum: $30,638
      - Kyle: $1,413,167
      - La Coste: $1,038
      - La Feria: $700,157
      - La Grange: $210,086
      - La Grulla: $3,001,189
      - La Joya: $103,666

2. Total Actuarial Accrued Liability
   - Krum: $774,267
   - Kyle: $8,653,722
   - La Coste: $189,021
   - La Feria: $4,422,511
   - La Grange: $9,985,502
   - La Grulla: $445,491
   - La Joya: $854,782

3. Actuarial value of assets
   - Krum: $791,209
   - Kyle: $6,834,887
   - La Coste: $210,086
   - La Feria: $3,032,875
   - La Grange: $8,369,144
   - La Grulla: $482,851
   - La Joya: $1,553,133

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - Krum: ($16,942)
   - Kyle: $1,818,835
   - La Coste: ($21,065)
   - La Feria: $1,389,636
   - La Grange: $1,616,358
   - La Grulla: ($37,360)
   - La Joya: $699,469

5. Funded Ratio: (3) / (2)
   - Krum: 102.2%
   - Kyle: 79.0%
   - La Coste: 4.99%
   - La Feria: 68.6%
   - La Grange: 103.8%
   - La Grulla: 18.2%

6. Annual Payroll
   - Krum: $1,027,946
   - Kyle: $6,494,785
   - La Coste: $227,784
   - La Feria: $1,886,492
   - La Grange: $788,799
   - La Grulla: $1,269,716

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
   - Normal Cost: 2.25%
   - Prior Service: -0.10%
   - Total Retirement: 2.15%
   - Phase-In Rate (Minimum Contribution), Incl. Supplemental Death: N/A
   - Statutory Maximum Rate (Total Retirement Only): 11.50%

#### Supplemental Death
   - 0.12%
   - Total Rate: 2.27%
   - Phase-In Rate (Minimum Contribution), Incl. Supplemental Death: N/A
   - Statutory Maximum Rate (Total Retirement Only): N/A

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 26.6 years
- Number of annuitants: 2
- Number of active contributing members: 28
- Number of inactive members: 15
- Average age of contributing members: 41.5 years
- Average length of service of contributing members: 7.2 years
### LA MARQUE
### Summary of Actuarial Information

1. **Actuarial Accrued Liability**
   - Contributing Members: $5,506,145
   - Noncontributing Members: $3,776,615
   - Annuitants: $8,957,025
   - Total Actuarial Accrued Liability: $18,239,785

2. **Actuarial Value of Assets**
   - Total Actuarial Value of Assets: $15,722,358

3. **Unfunded/(overfunded) Actuarial Accrued Liability**
   - Unfunded Actuarial Accrued Liability: $(2,517,427)

4. **Funded Ratio**
   - Funded Ratio: 86.2%

5. **Annual Payroll**
   - Annual Payroll: $5,798,096

### City Contribution Rates for 2013

- **Retirement**
  - Normal Cost: 6.67%
  - Prior Service: 2.67%
  - Total Retirement: 9.34%

- **Supplemental Death**
  - Rate: 0.16%

- **Total Rate**
  - Rate: 9.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 26.0 years
- **Number of annuitants**: 62
- **Number of active contributing members**: 126
- **Average age of contributing members**: 41.6 years
- **Average length of service of contributing members**: 7.0 years

### LA PORTE
### Summary of Actuarial Information

1. **Actuarial Accrued Liability**
   - Contributing Members: $3,890,632
   - Noncontributing Members: $1,071,920
   - Annuitants: $1,025,572
   - Total Actuarial Accrued Liability: $5,988,124

2. **Actuarial Value of Assets**
   - Total Actuarial Value of Assets: $5,029,750

3. **Unfunded/(overfunded) Actuarial Accrued Liability**
   - Unfunded Actuarial Accrued Liability: $(958,374)

4. **Funded Ratio**
   - Funded Ratio: 84.0%

5. **Annual Payroll**
   - Annual Payroll: $1,980,472

### City Contribution Rates for 2013

- **Retirement**
  - Normal Cost: 10.25%
  - Prior Service: 2.95%
  - Total Retirement: 13.20%

- **Supplemental Death**
  - Rate: 0.24%

- **Total Rate**
  - Rate: 13.44%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 26.4 years
- **Number of annuitants**: 19
- **Number of active contributing members**: 36
- **Average age of contributing members**: 45.5 years
- **Average length of service of contributing members**: 8.5 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Noncontributing Members 1,115,946 1,872,918 15,377,687 126,000,696 0 2,999,087 1,528,876
   - Annuities 6,875,254 4,375,451 22,521,831 112,630,696 0 22,999,087 3,528,876

2. **Total Actuarial Accrued Liability** $12,424,477 $15,375,880 $57,355,776 $390,361,416 $467,925 $86,545,914 $15,622,749

3. **Actuarial value of assets** 13,137,453 12,059,158 46,173,703 255,089,909 452,161 67,192,944 10,253,804

4. **Unfunded/(overfunded) actuarial accrued liability** ($2) - (3) ($712,976) $3,316,722 $11,182,073 $135,271,507 $15,764 $19,352,970 $5,368,945

5. **Funded Ratio** (3) / (2) 105.7% 78.4% 80.5% 65.3% 96.6% 77.6% 65.6%

6. **Annual Payroll** $2,824,220 $4,224,887 $12,843,171 $90,134,109 $751,887 $25,838,123 $9,149,425

### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- Normal Cost 5.91% 10.81% 8.81% 12.65% 2.71% 10.34% 8.55%
- Prior Service -1.59% 4.80% 5.36% 9.21% 0.15% 4.59% 3.57%
- Total Retirement 4.32% 15.61% 14.17% 21.86% 2.86% 14.93% 12.12%

**Supplemental Death** 0.00% 0.19% 0.14% 0.17% 0.12% 0.15% 0.13%

**Total Rate** 4.32% 15.80% 14.31% 22.03% 2.98% 15.08% 12.25%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death** N/A 15.21% N/A 20.06% 13.96% 11.58%

**Statutory Maximum Rate (Total Retirement Only)** N/A 13.50% N/A 13.50% 13.50% 13.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013** 25.0 years 26.3 years 26.0 years 26.1 years 20.4 years 26.2 years 26.5 years
- **Number of annuitants** 42 46 125 663 0 119 25
- **Number of active contributing members** 68 106 213 1,961 14 459 167
- **Number of inactive members** 37 44 178 371 5 135 60
- **Average age of contributing members** 44.0 years 43.0 years 40.2 years 43.3 years 41.1 years 41.7 years 41.2 years
- **Average length of service of contributing members** 9.2 years 9.0 years 9.6 years 11.1 years 6.6 years 9.4 years 7.1 years

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members $14,311,173 $230,672 $10,369,004 $124,013,446 $348,329 $3,546,494 $138,455
   - Noncontributing Members 4,711,672 138,831 2,783,318 12,021,668 170,257 871,180 30,482
   - Annuities 12,970,741 128,046 5,903,183 68,113,576 891,186 1,523,887 0

2. **Total Actuarial Accrued Liability** $31,993,586 $497,549 $19,055,505 $204,148,690 $1,409,772 $5,941,561 $168,937

3. **Actuarial value of assets** 27,729,485 547,724 17,178,730 157,296,848 1,225,413 4,989,284 161,746

4. **Unfunded/(overfunded) actuarial accrued liability** ($2) - (3) $4,264,101 ($50,175) $1,876,775 $46,851,842 $184,359 $952,277 $7,191

5. **Funded Ratio** (3) / (2) 86.7% 110.1% 90.2% 77.1% 86.9% 84.0% 95.7%

6. **Annual Payroll** $4,714,814 $578,530 $3,911,057 $41,595,810 $357,310 $3,856,878 $419,429

### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- Normal Cost 11.29% 0.79% 10.31% 12.25% 6.14% 2.98% 2.17%
- Prior Service 5.55% -0.55% 13.27% 9.14% 3.22% 1.75% 0.12%
- Total Retirement 16.84% 0.24% 13.27% 9.14% 3.22% 1.75% 0.12%

**Supplemental Death** 0.22% 0.24% 0.30% 0.00% 0.00% 0.00% 0.00%

**Total Rate** 17.06% 0.38% 13.43% 9.14% 3.22% 1.75% 0.12%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death** N/A N/A N/A 18.21% N/A N/A N/A

**Statutory Maximum Rate (Total Retirement Only)** N/A 7.50% N/A N/A N/A N/A N/A

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013** 26.1 years 24.7 years 25.9 years 26.2 years 25.4 years 20.7 years 21.1 years
- **Number of annuitants** 61 3 38 250 0 23 0
- **Number of active contributing members** 100 17 90 664 10 95 13
- **Number of inactive members** 47 15 29 202 13 93 3
- **Average age of contributing members** 45.1 years 40.2 years 42.1 years 42.8 years 45.2 years 41.8 years 48.3 years
- **Average length of service of contributing members** 9.2 years 9.0 years 10.9 years 12.7 years 8.1 years 9.4 years 4.4 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members: $3,539,862, $409,786, $47,309, $1,085,284, $0, $3,630,508, $7,704,219
   - b. Noncontributing Members: 0, 0, 0, 0, 0, 1,059,207
   - c. Annuitants: 0, 0, 0, 0, 0, 1,603,997

2. **Total Actuarial Accrued Liability**: $3,852,752, $482,414, $47,309, $1,085,284, $1,403,997, $2,671,899, $17,704,219

3. **Actuarial value of assets**: 2,145,640, 514,831, 60,937, 10,019,596, 5,073,392, 19,203,674, 6,350

4. **Unfunded/(overfunded) actuarial accrued liability**: ($2) - (3) = ($1,707,112), ($32,417), ($13,628), $3,102,966, $583,459, $6,691,498, $4,533

5. **Funded Ratio**: (3) / (2) = 55.7%, 106.7%, 128.8%, 76.4%, 89.7%, 74.2%, 58.3%

6. **Annual Payroll**: $1,779,130, $485,701, $86,254, $8,470,965, $1,853,244, $5,955,584, $109,476

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- **Normal Cost**: 9.25%, 2.77%, 1.36%, 7.75%, 8.13%, 10.59%, 0.02%
- **Prior Service**: 5.89%, -0.42%, -0.99%, 2.55%, 1.93%, 6.87%, 0.61%
- **Total Retirement**: 15.14%, 2.35%, 0.37%, 10.30%, 10.06%, 17.46%, 0.63%

#### Supplemental Death
- **Rate**: 0.00%, 0.38%, 0.10%, 0.15%, 0.23%, 0.14%, 0.05%

#### Total Rate
- **Phase-In Rate (Minimum Contribution, incl. Supplemental Death)**: 14.61%, N/A, N/A, N/A, 9.62%, N/A, N/A
- **Statutory Maximum Rate (Total Retirement Only)**: N/A, 7.50%, N/A, 13.50%, 11.50%, N/A, N/A

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2013
- Livingston: 26.1 years, 25.0 years, 25.2 years, 21.3 years, 26.1 years, 26.3 years, 8.0 years
- Llano: 26.1 years, 25.0 years, 25.2 years, 21.3 years, 26.1 years, 26.3 years, 8.0 years

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members: $10,661,604, $2,885,195, $12,296,163, $277,225, $333,441, $58,463,358, $56,316
   - b. Noncontributing Members: 0, 0, 0, 0, 0, 1,059,207
   - c. Annuitants: 0, 0, 0, 0, 0, 1,603,997


3. **Actuarial value of assets**: 15,424,587, 3,897,523, 17,759,096, 549,322, 1,020,101, 116,279,461, 61,866

4. **Unfunded/(overfunded) actuarial accrued liability**: ($2) - (3) = ($2,872,528), ($924,697), ($3,850,813), ($137,364), ($42,858), $11,070,901, $26,162

5. **Funded Ratio**: (3) / (2) = 84.3%, 80.8%, 82.2%, 133.3%, 104.4%, 91.3%, 70.3%


### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- **Normal Cost**: 11.91%, 5.93%, 8.93%, 3.31%, 3.83%, 8.13%, 1.41%
- **Prior Service**: 5.31%, 3.04%, 3.96%, -3.31%, -3.31%, -0.71%, 2.63%
- **Total Retirement**: 17.22%, 8.97%, 12.84%, 0.00%, 3.12%, 3.83%, 12.60%

#### Supplemental Death
- **Rate**: 0.25%, 0.26%, 0.39%, 0.36%, 0.40%, 0.17%, 0.19%

#### Total Rate
- **Phase-In Rate (Minimum Contribution, incl. Supplemental Death)**: 17.47%, N/A, 13.03%, 3.09%, N/A, N/A, N/A
- **Statutory Maximum Rate (Total Retirement Only)**: N/A, 11.50%, 12.50%, 7.50%, 7.50%, 15.50%, N/A

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2013
- Livingston: 26.3 years, 23.7 years, 26.2 years, 30.2 years, 25.3 years, 22.6 years, 20.9 years
- Llano: 26.3 years, 23.7 years, 26.2 years, 30.2 years, 25.3 years, 22.6 years, 20.9 years

#### Number of annuitants
- Livingston: 34, 24, 53, 52, 2, 2, 389
- Llano: 34, 24, 53, 52, 2, 2, 389

#### Number of active contributing members
- Livingston: 11, 48, 144, 6, 6, 220, 1
- Llano: 11, 48, 144, 6, 6, 220, 1

#### Average age of contributing members
- Livingston: 45.4 years, 48.4 years, 42.1 years, 45.8 years, 46.1 years, 43.2 years, 51.0 years
- Llano: 45.4 years, 48.4 years, 42.1 years, 45.8 years, 46.1 years, 43.2 years, 51.0 years

#### Average length of service of contributing members
- Livingston: 8 years, 8 years, 8 years, 8 years, 8 years, 8 years, 8 years
- Llano: 8 years, 8 years, 8 years, 8 years, 8 years, 8 years, 8 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - **Contributing Members**: $356,843 $122,907 $1,447,880 $23,185 $19,701 $235,077,571 $684,851
   - **Noncontributing Members**: $397,216 $154,104 $203,911 $35,043 $1,353 $41,420,397 $337,439
   - **Annuitants**: $88,693 $18,496 $372,767 $8,652 $0 $250,850,088 $186,840

2. **Total Actuarial Accrued Liability**: $842,752 $295,507 $2,024,558 $66,880 $21,054 $527,348,056 $1,209,130

3. **Actuarial value of assets**: $718,198 $374,113 $2,376,445 $91,886 $12,076 $424,248,797 $1,032,483

4. **Unfunded/(overfunded) actuarial accrued liability**: ($124,554) ($78,606) ($351,887) ($25,006) $8,978 $103,099,259 $176,647

5. **Funded Ratio**: 85.2% 126.6% 117.4% 137.4% 57.4% 80.4% 85.4%

6. **Annual Payroll**: $481,118 $239,462 $1,541,826 $208,876 $86,829 $84,711,296 $869,201

### CITY CONTRIBUTION RATES FOR 2013

- **Retirement**
  - Normal Cost: 4.38% 3.96% 2.50% 0.96% 1.86% 12.01% 5.28%
  - Prior Service: 1.58% -2.07% -1.44% -0.75% 0.78% 7.47% 1.39%
  - Total Retirement: 5.96% 1.89% 1.06% 0.21% 2.64% 19.48% 6.67%
  - Supplemental Death: 0.18% 0.00% 0.15% 0.18% 0.33% 0.00% 0.15%
  - Total Rate: 6.14% 1.89% 1.21% 0.39% 2.97% 19.48% 6.82%

- **Statutory Maximum Rate (Total Retirement Only)**: 10.50% 9.50% 9.50% N/A N/A N/A 13.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 26.3 years 24.9 years 24.9 years 25.2 years 18.9 years 26.1 years 21.9 years 26.1 years 21.9 years
- **Number of annuitants**: 4 2 10 1 0 999 4 4 29
- **Number of active contributing members**: 15 8 48 8 3 1,713 20 10
- **Number of inactive members**: 20 6 28 27 1 514 25 10
- **Average age of contributing members**: 43.2 years 41.8 years 40.1 years 42.8 years 48.3 years 19.4 years 10
- **Average length of service of contributing members**: 6.7 years 4.4 years 9.2 years 1.7 years 2.7 years 109 years 7.1 years
### SUMMARY OF ACTUARIAL INFORMATION

**1. Actuarial Accrued Liability**
   - a. Contributing Members $722,905 $836,280 $64,781,699 $585,121 $8,556,865 $1,023,950 $361,721
   - b. Noncontributing Members 189,617 185,933 7,233,150 732,923 $1,208,794 $1,076,440 $299,924
   - c. Annuitants 279,256 27,520 19,125,279 114,363 3,750,234 650,164 76,376

**2. Total Actuarial Accrued Liability**
   - $1,191,778 $1,049,733 $89,180,462 $773,131 $13,548,705 $1,839,434 $478,914

**3. Actuarial value of assets**
   - 1,176,675 1,155,291 73,360,968 872,023 14,153,184 2,368,284 549,315

**4. Unfunded/(overfunded) actuarial accrued liability:**
   - ($2) - (3) $15,103 ($105,558) $15,819,494 ($98,892) ($604,479) ($528,850) ($70,401)

**5. Funded Ratio:**
   - (3) / (2) 98.7% 110.1% 82.3% 112.8% 104.5% 128.8% 114.7%

**6. Annual Payroll**
   - $794,769 $1,437,146 $26,803,906 $1,083,030 $5,684,993 $760,901 $381,280

### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
   - Normal Cost 2.51% 3.09% 11.26% 0.86% 4.87% 5.92% 6.66%
   - Prior Service 0.12% -0.46% 3.62% -0.57% -0.67% -4.37% -1.16%
   - Total Retirement 2.63% 2.63% 14.88% 0.29% 4.20% 1.59% 5.50%
   - Supplemental Death 0.20% 0.16% 0.13% 0.15% 0.14% 0.13% 0.12%
   - Total Rate 2.83% 2.79% 15.06% 0.44% 4.36% 1.72% 5.65%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**
   - N/A N/A 14.48% N/A N/A N/A N/A

**Statutory Maximum Rate (Total Retirement Only)**
   - 13.50% 13.50% 25.13% 11.50% 11.50% 11.50% 11.50%

### ADDITIONAL INFORMATION

**GASB 25 Equivalent Single Amortization Period as of 1/2013**
   - 24.9 years 25.2 years 26.1 years 25.4 years 25.0 years 25.0 years 25.1 years

**Number of annuitants**
   - 7 1 108 5 47 12 2

**Number of active contributing members**
   - 21 35 458 27 110 26 9

**Number of inactive members**
   - 12 28 131 20 52 18 7

**Average age of contributing members**
   - 46.5 years 42.2 years 41.6 years 41.7 years 43.0 years 51.2 years 55.4 years

**Average length of service of contributing members**
   - 9.8 years 5.9 years 10.1 years 8.2 years 7.6 years 7.9 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members $56,763 $100,055,540 $590,942 $2,203,779 $106,770,510 $102,108 $139,277
   - b. Noncontributing Members 46,147 14,398,096 452,694 1,019,225 19,100,102 141,367 40,157
   - c. Annuitants 36,458 44,398,056 452,694 1,569,595 30,678,844 4,570 0
   - **Total Actuarial Accrued Liability** $139,368 $159,194,692 $1,060,755 $4,792,599 $156,549,456 $248,045 $179,434

2. Actuarial value of assets 139,590 161,885,479 1,228,962 3,968,531 119,057,419 226,895 223,711

3. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) ($222) ($2,690,787) ($168,207) $824,068 $37,492,037 $21,150 ($44,277)

4. Funded Ratio: (3) / (2) 100.2% 101.7% 115.9% 82.8% 76.1% 91.5% 124.7%

5. Annual Payroll $182,950 $59,840,444 $286,100 $1,780,561 $50,465,754 $191,977 $399,838

### CITY CONTRIBUTION RATES FOR 2013

| Retirement                  | Maypearl | McAllen | McCamey | McGregor | McKinney | McLean | Meadows
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>0.63%</td>
<td>5.34%</td>
<td>5.91%</td>
<td>7.38%</td>
<td>10.73%</td>
<td>1.39%</td>
<td>1.67%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>-0.01%</td>
<td>-0.28%</td>
<td>-3.70%</td>
<td>3.21%</td>
<td>4.55%</td>
<td>0.77%</td>
<td>-0.70%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>0.62%</td>
<td>5.06%</td>
<td>2.21%</td>
<td>10.59%</td>
<td>15.28%</td>
<td>0.12%</td>
<td>0.11%</td>
</tr>
<tr>
<td>Supplemenal Death</td>
<td>0.19%</td>
<td>0.25%</td>
<td>0.25%</td>
<td>0.12%</td>
<td>0.12%</td>
<td>0.12%</td>
<td>0.12%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>0.81%</td>
<td>5.06%</td>
<td>2.40%</td>
<td>10.82%</td>
<td>15.40%</td>
<td>2.31%</td>
<td>1.08%</td>
</tr>
<tr>
<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>14.75%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2013</th>
<th>Maypearl</th>
<th>McAllen</th>
<th>McCamey</th>
<th>McGregor</th>
<th>McKinney</th>
<th>McLean</th>
<th>Meadows</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of annuitants</td>
<td>1</td>
<td>343</td>
<td>8</td>
<td>23</td>
<td>165</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Number of active contributing members</td>
<td>6</td>
<td>1,459</td>
<td>6</td>
<td>47</td>
<td>758</td>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td>Number of inactive members</td>
<td>5</td>
<td>274</td>
<td>7</td>
<td>44</td>
<td>242</td>
<td>7</td>
<td>13</td>
</tr>
<tr>
<td>Average age of contributing members</td>
<td>47.3 years</td>
<td>40.8 years</td>
<td>48.8 years</td>
<td>46.3 years</td>
<td>51.7 years</td>
<td>38.8 years</td>
<td>30.6 years</td>
</tr>
<tr>
<td>Average length of service of contributing members</td>
<td>5.7 years</td>
<td>99 years</td>
<td>12.7 years</td>
<td>8.6 years</td>
<td>10.8 years</td>
<td>6.1 years</td>
<td>3.0 years</td>
</tr>
</tbody>
</table>

### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members $2,754,474 $1,229,715 $7,191,478 $1,179,224 $709,149 $10,363,855 $320,571
   - b. Noncontributing Members 708,662 164,494 53,544 29,315 41,178 800,117 5,630
   - c. Annuitants 1,047,836 120,467 5,352,023 582,687 585,326 3,652,379 9,731
   - **Total Actuarial Accrued Liability** $4,510,972 $1,514,676 $12,597,045 $1,791,226 $1,336,292 $14,816,351 $335,972

2. Actuarial value of assets 4,456,252 1,285,873 10,508,163 1,616,401 1,406,287 9,121,369 434,962

3. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $54,720 $228,803 $2,088,882 $174,825 ($69,995) $5,694,982 ($98,990)

4. Funded Ratio: (3) / (2) 98.8% 84.9% 83.4% 90.2% 105.2% 61.6% 129.5%

5. Annual Payroll $1,367,945 $1,520,029 $2,863,732 $536,450 $307,981 $3,958,829 $313,266

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Meadows Place</th>
<th>Memorial Villages</th>
<th>MD</th>
<th>Memphis</th>
<th>Monuet</th>
<th>Meridian</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>0.65%</td>
<td>0.62%</td>
<td>2.92%</td>
<td>5.07%</td>
<td>7.51%</td>
<td>8.22%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>0.46%</td>
<td>0.39%</td>
<td>1.03%</td>
<td>4.85%</td>
<td>2.01%</td>
<td>-1.43%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>0.66%</td>
<td>0.48%</td>
<td>3.99%</td>
<td>9.25%</td>
<td>6.79%</td>
<td>20.3%</td>
</tr>
<tr>
<td>Supplemenal Death</td>
<td>0.20%</td>
<td>0.25%</td>
<td>0.20%</td>
<td>0.20%</td>
<td>0.00%</td>
<td>-0.17%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>0.86%</td>
<td>4.80%</td>
<td>9.79%</td>
<td>9.67%</td>
<td>6.79%</td>
<td>29.2%</td>
</tr>
<tr>
<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>19.08%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2013</th>
<th>Meadows Place</th>
<th>Memorial Villages</th>
<th>MD</th>
<th>Memphis</th>
<th>Monuet</th>
<th>Meridian</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of annuitants</td>
<td>8</td>
<td>4</td>
<td>23</td>
<td>8</td>
<td>9</td>
<td>4</td>
</tr>
<tr>
<td>Number of active contributing members</td>
<td>26</td>
<td>12</td>
<td>7</td>
<td>20</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>Number of inactive members</td>
<td>29</td>
<td>1</td>
<td>5</td>
<td>5</td>
<td>1</td>
<td>42</td>
</tr>
<tr>
<td>Average age of contributing members</td>
<td>47.3 years</td>
<td>40.3 years</td>
<td>48.8 years</td>
<td>46.3 years</td>
<td>51.7 years</td>
<td>42.9 years</td>
</tr>
<tr>
<td>Average length of service of contributing members</td>
<td>5.7 years</td>
<td>99 years</td>
<td>12.7 years</td>
<td>8.6 years</td>
<td>10.8 years</td>
<td>6.1 years</td>
</tr>
</tbody>
</table>

---

**Note:** This data represents a snapshot of the actuarial valuation for Participating Municipalities as of December 31, 2011, provided by the Texas Municipal Retirement System (TMRS). The tables and additional information detail various aspects such as accrued liabilities, actuarial valuations, contribution rates, and additional demographic data. The data is organized to facilitate understanding of the financial health and contributions required for the retirement systems of these municipalities.
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - b. Noncontributing Members 221,342 26,407 15,359,912 1,012,740 17,111,614 2,642,923 113,361
   - c. Annuitants 772,210 273,255 158,583,992 4,730,758 120,567,966 6,671,600 0

2. Total Actuarial Accrued Liability $1,246,325 $365,163 $345,220,559 $11,108,735 $239,826,317 $25,863,075 $129,376

3. Actuarial value of assets 834,571 145,731 328,142,416 9,385,721 210,714,570 19,758,334 177,322

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $411,754 $219,432 $17,078,143 $1,723,014 $29,111,747 $6,104,741 ($47,946)

5. Funded Ratio: (3) / (2) 67.0% 39.9% 95.1% 84.5% 87.9% 76.4% 137.1%


### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost 7.09% 0.86% 8.65% 8.68% 11.29% 9.57% 0.77%
- Prior Service 6.03% 8.81% 1.98% 2.78% 5.00% 4.06% -0.77%
- Total Retirement 13.12% 9.67% 10.63% 11.46% 16.29% 13.63% 0.00%
- Supplemental Death 0.15% 0.11% 0.00% 0.18% 0.00% 0.14% 0.08%
- Total Rate 13.27% 9.78% 10.63% 11.64% 16.29% 13.77% 0.08%
- Phase-In Rate (Minimum Contribution), Incl. Supplemental Death N/A N/A N/A 10.99% N/A 12.97% N/A
- Statutory Maximum Rate (Total Retirement Only) N/A N/A N/A 13.50% N/A 13.50% 7.50%

#### ADDITIONAL INFORMATION
- GASB 25 Equivalent Single Amortization Period as of 1/2013 25.6 years 25.8 years 18.6 years 26.5 years 26.0 years 26.1 years 100.0 years
- Number of annuitants 5 2 545 39 477 50 0
- Number of active contributing members 11 4 1,050 102 704 169 3
- Number of inactive members 8 2 249 79 331 65 4
- Average age of contributing members 40.7 years 37.9 years 43.0 years 41.3 years 42.2 years 41.2 years 43.9 years
- Average length of service of contributing members 4.2 years 6.1 years 12.3 years 6.9 years 10.9 years 9.4 years 3.0 years
### SUMMARY OF ACTUARIAL INFORMATION

#### Montgomery, Moody, Morgan’s Point

<table>
<thead>
<tr>
<th>Actuarial Accrued Liability</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributing Members</td>
<td>$353,957</td>
<td>$624,447</td>
<td>$1,514,926</td>
<td>$899,656</td>
<td>$998,606</td>
<td>$1,027,181</td>
</tr>
<tr>
<td>Noncontributing Members</td>
<td>239,899</td>
<td>0</td>
<td>952,173</td>
<td>462,095</td>
<td>292,593</td>
<td>95,810</td>
</tr>
<tr>
<td>Annuitants</td>
<td>43,348</td>
<td>0</td>
<td>927,010</td>
<td>709,119</td>
<td>415,571</td>
<td>597,380</td>
</tr>
<tr>
<td>Total</td>
<td>$677,294</td>
<td>$624,447</td>
<td>$3,294,099</td>
<td>$2,071,770</td>
<td>$1,706,770</td>
<td>$1,720,371</td>
</tr>
<tr>
<td>Actuarial value of assets</td>
<td>679,352</td>
<td>580,345</td>
<td>1,713,700</td>
<td>1,524,085</td>
<td>1,563,543</td>
<td>98,619</td>
</tr>
<tr>
<td>Unfunded/(overfunded)</td>
<td>($42,148)</td>
<td>$44,102</td>
<td>$569,166</td>
<td>$358,070</td>
<td>$182,685</td>
<td>$156,828</td>
</tr>
<tr>
<td>Funded Ratio</td>
<td>106.6%</td>
<td>92.9%</td>
<td>83.2%</td>
<td>82.7%</td>
<td>89.3%</td>
<td>98.0%</td>
</tr>
<tr>
<td>Annual Payroll</td>
<td>$659,915</td>
<td>$353,016</td>
<td>$799,865</td>
<td>$902,133</td>
<td>$343,394</td>
<td>$380,894</td>
</tr>
</tbody>
</table>

#### Morton, Mount Enterprise

<table>
<thead>
<tr>
<th>Actuarial Accrued Liability</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributing Members</td>
<td>$12,867,761</td>
<td>$1,022,730</td>
<td>$161,903</td>
<td>$3,302,422</td>
<td>$193,625</td>
<td>$6,550,540</td>
</tr>
<tr>
<td>Noncontributing Members</td>
<td>3,605,862</td>
<td>77,725</td>
<td>211,523</td>
<td>628,538</td>
<td>658</td>
<td>2,071,948</td>
</tr>
<tr>
<td>Annuitants</td>
<td>6,996,286</td>
<td>1,202,075</td>
<td>871,880</td>
<td>2,722,974</td>
<td>0</td>
<td>2,316,096</td>
</tr>
<tr>
<td>Total</td>
<td>$23,469,909</td>
<td>$2,302,530</td>
<td>$1,245,305</td>
<td>$5,493,456</td>
<td>$194,283</td>
<td>$90,938,584</td>
</tr>
<tr>
<td>Actuarial value of assets</td>
<td>17,973,410</td>
<td>2,143,087</td>
<td>1,486,190</td>
<td>5,493,456</td>
<td>43,567</td>
<td>7,553,720</td>
</tr>
<tr>
<td>Unfunded/(overfunded)</td>
<td>($5,496,499)</td>
<td>($159,443)</td>
<td>($240,885)</td>
<td>($384,078)</td>
<td>($150,716)</td>
<td>($13,636,451)</td>
</tr>
<tr>
<td>Funded Ratio</td>
<td>76.6%</td>
<td>93.1%</td>
<td>119.3%</td>
<td>82.7%</td>
<td>22.4%</td>
<td>81.3%</td>
</tr>
<tr>
<td>Annual Payroll</td>
<td>$5,844,338</td>
<td>$836,599</td>
<td>$425,519</td>
<td>$1,164,714</td>
<td>$243,712</td>
<td>$5,300,821</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement

| Normal Cost     | 3.99%            | 3.07%            | 10.43%           | 7.45%            | 4.3%             | 2.42%            | 3.27%            | 2.90%            | 0.90%            |
| Prior Service   | -0.40%           | 0.91%            | 4.30%            | 2.42%            | 9.87%            | 4.46%            | 10.21%           | 3.68%            | 2.82%            |
| Total Retirement| 3.59%            | 3.98%            | 14.79%           | 9.87%            | 0.23%            | 0.36%            | 3.27%            | 2.90%            | 0.90%            |
| Supplemental Death| 0.00%            | 0.28%            | 0.30%            | 0.23%            | 0.23%            | 0.26%            | 0.90%            |
| Total           | 3.59%            | 4.36%            | 15.09%           | 10.10%           | 0.46%            | 0.62%            | 4.14%            | 3.94%            |
| Phase-In Rate   | N/A              | N/A              | N/A              | N/A              | N/A              | N/A              | N/A              | N/A              |
| Supplemental Death| N/A              | N/A              | N/A              | N/A              | N/A              | N/A              | N/A              | N/A              |
| Phase-In Rate   | N/A              | N/A              | N/A              | N/A              | N/A              | N/A              | N/A              | N/A              |
| Statutory Maximum Rate | 13.50%         | 7.50%            | N/A              | N/A              | N/A              | N/A              | N/A              | N/A              |

#### Additional Information

<table>
<thead>
<tr>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2013</th>
<th>25.2 years</th>
<th>195 years</th>
<th>26.2 years</th>
<th>264 years</th>
<th>26.0 years</th>
<th>209 years</th>
<th>3.0 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Annuitants</td>
<td>2</td>
<td>0</td>
<td>5</td>
<td>17</td>
<td>5</td>
<td>7</td>
<td>0</td>
</tr>
<tr>
<td>Number of Active Contributing Members</td>
<td>14</td>
<td>9</td>
<td>14</td>
<td>24</td>
<td>8</td>
<td>9</td>
<td>2</td>
</tr>
<tr>
<td>Number of Inactive Members</td>
<td>18</td>
<td>0</td>
<td>8</td>
<td>17</td>
<td>6</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Average Age of Contributing Members</td>
<td>41.4 years</td>
<td>513 years</td>
<td>50.3 years</td>
<td>43.4 years</td>
<td>45.0 years</td>
<td>52.3 years</td>
<td>55.5 years</td>
</tr>
<tr>
<td>Average Length of Service of Contributing Members</td>
<td>7.8 years</td>
<td>180 years</td>
<td>12.5 years</td>
<td>7.8 years</td>
<td>16.5 years</td>
<td>18.5 years</td>
<td>14.8 years</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- **Montgomery, Moody, Morgan’s Point**
  - GASB 25 Equivalent Single Amortization Period as of 1/2013: 25.2 years
  - Number of Annuitants: 2
  - Number of Active Contributing Members: 14
  - Number of Inactive Members: 18
  - Average Age of Contributing Members: 41.4 years
  - Average Length of Service of Contributing Members: 7.8 years

- **Morton, Mount Enterprise**
  - GASB 25 Equivalent Single Amortization Period as of 1/2013: 26.0 years
  - Number of Annuitants: 67
  - Number of Active Contributing Members: 142
  - Number of Inactive Members: 69
  - Average Age of Contributing Members: 42.8 years
  - Average Length of Service of Contributing Members: 9.1 years

---

TMRS Comprehensive Annual Financial Report - 2011

Actuarial Valuation of Participating Municipalities - Continued

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### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - **a. Contributing Members**  
     - Naples: $150,817  
     - Nash: $736,746  
     - Navasota: $1,130,460
   - **b. Noncontributing Members**  
     - Naples: $26,984  
     - Nash: $25,941  
     - Navasota: $362,634
   - **c. Annuitants**  
     - Naples: $169,903  
     - Nash: $113,297  
     - Navasota: $331,125

2. **Total Actuarial Accrued Liability**  
   - Naples: $347,704  
   - Nash: $875,984  
   - Navasota: $1,824,219

3. **Actuarial value of assets**  
   - Naples: $415,415  
   - Nash: $1,050,768  
   - Navasota: $1,868,008

4. **Unfunded/(overfunded) actuarial accrued liability**  
   - (2) - (3)  
     - Naples: $(67,711)  
     - Nash: $(174,784)  
     - Navasota: $2,992,762

5. **Funded Ratio**  
   - Naples: 119.5%  
   - Nash: 120.0%  
   - Navasota: 53.0%

6. **Annual Payroll**  
   - Naples: $119,5%  
   - Nash: $120.0%  
   - Navasota: $63.1%

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- **Normal Cost**  
  - Naples: 2.57%  
  - Nash: 3.44%  
  - Navasota: 1.34%
- **Prior Service**  
  - Naples: -1.23%  
  - Nash: -1.48%  
  - Navasota: 7.26%
- **Total Retirement**  
  - Naples: 1.34%  
  - Nash: 1.96%  
  - Navasota: 12.76%
- **Supplemental Death**  
  - Naples: 0.27%  
  - Nash: 0.25%  
  - Navasota: 0.14%
- **Total Rate**  
  - Naples: 1.61%  
  - Nash: 2.21%  
  - Navasota: 12.90%
- **Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**  
  - Naples: N/A  
  - Nash: N/A  
  - Navasota: N/A
- **Statutory Maximum Rate (Total Retirement Only)**  
  - Naples: N/A  
  - Nash: N/A  
  - Navasota: 11.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**  
  - Naples: 25.1 years  
  - Nash: 24.9 years  
  - Navasota: 27.6 years
- **Number of annuitants**  
  - Naples: 4  
  - Nash: 6  
  - Navasota: 11
- **Number of active contributing members**  
  - Naples: 11  
  - Nash: 19  
  - Navasota: 46
- **Number of inactive members**  
  - Naples: 10  
  - Nash: 4  
  - Navasota: 23
- **Average age of contributing members**  
  - Naples: 48.5 years  
  - Nash: 42.4 years  
  - Navasota: 43.7 years
- **Average length of service of contributing members**  
  - Naples: 4.9 years  
  - Nash: 9.2 years  
  - Navasota: 13.5 years

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - **a. Contributing Members**  
     - New Boston: $1,796,888  
     - New Braunfels: $52,570,785  
     - New Deal: $135,551
   - **b. Noncontributing Members**  
     - New Boston: $116,380  
     - New Braunfels: $4,566,685  
     - New Deal: $96,229
   - **c. Annuitants**  
     - New Boston: $957,293  
     - New Braunfels: $35,754,908  
     - New Deal: $0

2. **Total Actuarial Accrued Liability**  
   - New Boston: $2,870,561  
   - New Braunfels: $94,893,431  
   - New Deal: $231,780

3. **Actuarial value of assets**  
   - New Boston: $2,928,418  
   - New Braunfels: $65,548,163  
   - New Deal: $248,617

4. **Unfunded/(overfunded) actuarial accrued liability**  
   - (2) - (3)  
     - New Boston: $(57,857)  
     - New Braunfels: $29,345,268  
     - New Deal: $(16,837)

5. **Funded Ratio**  
   - New Boston: 102.0%  
   - New Braunfels: 69.1%  
   - New Deal: 107.3%

6. **Annual Payroll**  
   - New Boston: $1,097,543  
   - New Braunfels: $25,190,430  
   - New Deal: $211,119

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- **Normal Cost**  
  - New Boston: 4.96%  
  - New Braunfels: 10.16%  
  - New Deal: 0.99%
- **Prior Service**  
  - New Boston: -0.33%  
  - New Braunfels: 7.14%  
  - New Deal: -0.57%
- **Total Retirement**  
  - New Boston: 4.63%  
  - New Braunfels: 17.30%  
  - New Deal: 0.49%
- **Supplemental Death**  
  - New Boston: 0.19%  
  - New Braunfels: 0.17%  
  - New Deal: 0.00%
- **Total Rate**  
  - New Boston: 4.82%  
  - New Braunfels: 17.48%  
  - New Deal: 0.49%
- **Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**  
  - New Boston: N/A  
  - New Braunfels: 16.52%  
  - New Deal: N/A
- **Statutory Maximum Rate (Total Retirement Only)**  
  - New Boston: N/A  
  - New Braunfels: 7.50%  
  - New Deal: 160.0%
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members
      - New Waverly: $272,563
      - Newton: $1,897,355
      - Nixon: $349,834
      - Nocona: $283,610
      - Normangee: $35,011
   b. Noncontributing Members
      - $55,261
   c. Annuitants
      - $171,286

2. Total Actuarial Accrued Liability
   - $499,110

3. Actuarial value of assets
   - $467,821

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - $31,289

5. Funded Ratio: (3) / (2)
   - 93.7%

6. Annual Payroll
   - $197,755

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
   - Normal Cost
     - New Waverly: 3.56%
     - Newton: 10.88%
     - Nixon: 0.96%
     - Nocona: 8.04%
     - Normangee: 1.46%
   - Prior Service
     - New Waverly: 1.08%
     - Newton: 9.70%
     - Nixon: -0.45%
     - Nocona: 2.14%
     - Normangee: -0.80%
   - Total Retirement
     - New Waverly: 4.64%
     - Newton: 20.84%
     - Nixon: 1.19%
     - Nocona: 10.18%
     - Normangee: 0.66%
   - Supplemental Death
     - New Waverly: 0.18%
     - Newton: 0.73%
     - Nixon: 0.13%
     - Nocona: 0.00%
   - Total Rate
     - New Waverly: 4.82%
     - Newton: 21.01%
     - Nixon: 1.54%
     - Nocona: 10.43%
     - Normangee: 0.79%
   - Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
     - N/A
   - Statutory Maximum Rate (Total Retirement Only)
     - N/A

#### Supplemental Death
   - New Waverly: 0.18%
   - Newton: 0.17%
   - Nixon: 0.35%
   - Nocona: 0.25%
   - Normangee: 0.13%

#### Additional Information
   - GASB 25 Equivalent Single Amortization Period as of 1/2013
     - New Waverly: 21.9 years
     - Newton: 26.1 years
     - Nixon: 25.1 years
     - Nocona: 26.5 years
     - Normangee: 25.2 years
   - Number of annuitants
     - New Waverly: 1
     - Newton: 13
     - Nixon: 5
     - Nocona: 10
     - Normangee: 2
   - Number of active contributing members
     - New Waverly: 5
     - Newton: 22
     - Nixon: 16
     - Nocona: 24
     - Normangee: 3
   - Number of inactive members
     - New Waverly: 1
     - Newton: 6
     - Nixon: 8
     - Nocona: 28
     - Normangee: 3
   - Average age of contributing members
     - New Waverly: 48.0 years
     - Newton: 40.9 years
     - Nixon: 46.0 years
     - Nocona: 49.0 years
     - Normangee: 38.0 years
   - Average length of service of contributing members
     - New Waverly: 17.1 years
     - Newton: 8.7 years
     - Nixon: 9.2 years
     - Nocona: 6.6 years
     - Normangee: 5.8 years

---

**Continued**
### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th>City</th>
<th>Olmos Park</th>
<th>Olney</th>
<th>Omaha</th>
<th>Onalaska</th>
<th>Orange</th>
<th>Orange Grove</th>
<th>Orla City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Actuarial Accrued Liability</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Contributing Members</td>
<td>$1,205,844</td>
<td>$461,801</td>
<td>$73,814</td>
<td>$77,334</td>
<td>$25,436,272</td>
<td>$170,088</td>
<td>$111,546</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>673,905</td>
<td>72,590</td>
<td>20,869</td>
<td>18,542</td>
<td>45,991,259</td>
<td>464,541</td>
<td>5,663</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>2,239,471</td>
<td>57,056</td>
<td>65,943</td>
<td>29,130</td>
<td>25,261,064</td>
<td>639,020</td>
<td>72,341</td>
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<tr>
<td>3. Actuarial value of assets</td>
<td>4,655,121</td>
<td>488,516</td>
<td>94,552</td>
<td>198,547</td>
<td>45,991,259</td>
<td>956,792</td>
<td>219,529</td>
</tr>
<tr>
<td>4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</td>
<td>($535,901)</td>
<td>$102,931</td>
<td>$65,814</td>
<td>($41,267)</td>
<td>$9,347,618</td>
<td>($142,021)</td>
<td>$39,885</td>
</tr>
<tr>
<td>5. Funded Ratio: (3) / (2)</td>
<td>113.0%</td>
<td>82.6%</td>
<td>59.0%</td>
<td>126.2%</td>
<td>83.1%</td>
<td>117.4%</td>
<td>84.6%</td>
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</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>Rate</th>
<th>Retirement</th>
<th>Normal Cost</th>
<th>3.02%</th>
<th>3.04%</th>
<th>3.05%</th>
<th>3.06%</th>
<th>3.07%</th>
<th>3.08%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Prior Service</td>
<td>2.21%</td>
<td>2.22%</td>
<td>2.23%</td>
<td>2.24%</td>
<td>2.25%</td>
<td>2.26%</td>
<td>2.27%</td>
</tr>
<tr>
<td></td>
<td>Total Retirement</td>
<td>0.81%</td>
<td>0.82%</td>
<td>0.83%</td>
<td>0.84%</td>
<td>0.85%</td>
<td>0.86%</td>
<td>0.87%</td>
</tr>
<tr>
<td></td>
<td>Supplemental Death</td>
<td>12.97%</td>
<td>12.98%</td>
<td>12.99%</td>
<td>13.00%</td>
<td>13.01%</td>
<td>13.02%</td>
<td>13.03%</td>
</tr>
<tr>
<td></td>
<td>Total Rate</td>
<td>0.81%</td>
<td>0.82%</td>
<td>0.83%</td>
<td>0.84%</td>
<td>0.85%</td>
<td>0.86%</td>
<td>0.87%</td>
</tr>
<tr>
<td></td>
<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Statutory Maximum Rate (Total Retirement Only)</td>
<td>11.50%</td>
<td>11.50%</td>
<td>11.50%</td>
<td>11.50%</td>
<td>11.50%</td>
<td>11.50%</td>
<td>11.50%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

| GASB 25 Equivalent Single Amortization Period as of 1/2013 | 25.0 years | 24.0 years | 20.3 years | 25.0 years | 25.9 years | 25.0 years |
| Number of annuitants | 28 | 4 | 1 | 4 | 110 | 5 | 2 |
| Number of active contributing members | 36 | 21 | 6 | 9 | 155 | 10 | 9 |
| Number of inactive members | 30 | 22 | 1 | 15 | 50 | 3 | 10 |
| Average age of contributing members | 40.1 years | 46.3 years | 48.0 years | 41.4 years | 44.5 years | 46.8 years | 45.1 years |
| Average length of service of contributing members | 9.9 years | 8.0 years | 5.9 years | 3.7 years | 13.1 years | 6.1 years | 5.1 years |
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - **Contributing Members**: $155,102, $665,247, $14,240,751, $624,436, $905,221, $3,243,335, $22,194,638
   - **Noncontributing Members**: 37,370, 40,480, 2,055,628, 628,491, 87,182, 2,035,718, 4,529,511
   - **Annuitants**: 0, 0, 17,870,837, 602,832, 423,023, 7,729,381, 18,735,225

2. **Total Actuarial Accrued Liability**: $192,472, $705,727, $34,167,216, $1,855,759, $1,415,426, $13,008,434, $45,459,374

3. **Actuarial value of assets**: 207,546, 405,773, 22,172,736, 1,679,907, 1,426,823, 9,832,664, 45,192,490

4. **Unfunded/(overfunded) actuarial accrued liability**: ($15,074), $299,954, $11,994,480, $175,852, ($11,397), $3,175,770, $266,884

5. **Funded Ratio**: 107.8%, 57.5%, 64.9%, 90.5%, 100.8%, 75.6%, 99.4%

6. **Annual Payroll**: $703,760, $1,627,709, $6,223,889, $681,217, $542,281, $2,298,170, $11,462,772

### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- **Normal Cost**: 0.48%, 0.40%, 10.56%, 2.93%, 4.11%, 8.92%, 6.54%
- **Prior Service**: -0.13%, 1.22%, 11.58%, 1.57%, -0.13%, 8.47%, 0.16%
- **Total Retirement**: 0.35%, 1.62%, 22.14%, 4.50%, 0.36%, 17.39%, 6.22%

**Supplemental Death**: 0.12%, 0.07%, 0.24%, 0.00%, 0.36%, 0.15%, 0.22%

**Total Rate**: 0.47%, 1.69%, 22.38%, 4.50%, 0.36%, 17.54%, 6.92%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**: N/A, N/A, 21.53%, N/A, N/A, N/A, N/A

**Statutory Maximum Rate (Total Retirement Only)**: N/A, N/A, 21.53%, 7.50%, 12.50%, N/A, N/A

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 26.6 years, 23.0 years, 27.1 years, 26.5 years, 25.7 years, 26.2 years, 21.7 years
- **Number of annuitants**: 0, 0, 125, 5, 5, 31, 165
- **Number of active contributing members**: 19, 39, 147, 16, 12, 44, 274
- **Number of inactive members**: 15, 13, 86, 13, 1, 77, 104
- **Average age of contributing members**: 39.3 years, 34.7 years, 41.7 years, 44.5 years, 56.3 years, 38.5 years, 40.9 years
- **Average length of service of contributing members**: 4.0 years, 6.0 years, 8.8 years, 11.3 years

---

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - **Contributing Members**: $1,032,761, $151,752,465, $54,440,744, $1,957,577, $4,368,961, $7,536,720, $22,368,576
   - **Noncontributing Members**: 91,501, 13,999,972, 10,497,088, 891,071, 546,566, 1,385,837, 3,664,947
   - **Annuitants**: 1,143,625, 158,607,441, 13,466,283, 1,308,770, 4,610,198, 5,383,483, 5,539,399


3. **Actuarial value of assets**: 1,676,155, 297,846,995, 61,822,285, 3,970,878, 9,951,163, 12,193,053, 23,168,480

4. **Unfunded/(overfunded) actuarial accrued liability**: ($15,074), $299,954, $11,994,480, $175,852, ($11,397), $3,175,770, $266,884

5. **Funded Ratio**: 73.9%, 91.8%, 78.9%, 95.5%, 104.5%, 85.2%, 73.4%

6. **Annual Payroll**: $1,012,983, $51,230,032, $29,607,555, $1,597,153, $4,324,119, $2,932,442, $13,194,293

### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- **Normal Cost**: 5.82%, 11.54%, 9.30%, 3.47%, 6.38%, 11.10%, 8.88%
- **Prior Service**: 4.04%, 3.19%, 3.42%, 0.71%, 0.62%, 4.42%, 3.90%
- **Total Retirement**: 9.86%, 14.73%, 12.92%, 4.18%, 5.76%, 15.52%, 12.78%

**Supplemental Death**: 0.12%, 0.22%, 0.12%, 0.18%, 0.23%, 0.20%, 0.12%

**Total Rate**: 9.98%, 14.95%, 13.08%, 4.36%, 5.99%, 15.72%, 12.90%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**: N/A, N/A, 12.79%, N/A, N/A, N/A, 12.50%

**Statutory Maximum Rate (Total Retirement Only)**: 13.50%, N/A, 13.50%, 7.50%, 11.50%, N/A, 13.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 21.5 years, 25.9 years, 26.3 years, 26.5 years, 26.1 years, 26.2 years
- **Number of annuitants**: 4, 647, 87, 16, 46, 30, 33
- **Number of active contributing members**: 17, 933, 550, 54, 101, 74, 253
- **Number of inactive members**: 10, 215, 201, 75, 64, 61, 101
- **Average age of contributing members**: 45.3 years, 43.8 years, 41.4 years, 40.9 years, 44.2 years, 40.7 years, 41.1 years
- **Average length of service of contributing members**: 8.2 years, 8.7 years, 8.9 years, 8.1 years, 9.2 years, 8.8 years
### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th>Pharr</th>
<th>Pilot Point</th>
<th>Pinehurst</th>
<th>Pineland</th>
<th>Piney Point Village</th>
<th>Pittsburg</th>
<th>Plains</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Contributing Members</td>
<td>$30,286,392</td>
<td>$924,632</td>
<td>$1,838,069</td>
<td>$1,223,248</td>
<td>$160,328</td>
<td>$2,677,738</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>3,666,767</td>
<td>840,049</td>
<td>252,142</td>
<td>1,720,032</td>
<td>1,032,702</td>
<td>2,265,007</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>16,211,982</td>
<td>626,131</td>
<td>252,142</td>
<td>2,954,957</td>
<td>3,322,959</td>
<td>4,967,700</td>
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<tr>
<td>Total Actuarial Liability</td>
<td>$49,965,141</td>
<td>$2,390,812</td>
<td>$4,044,138</td>
<td>$1,495,217</td>
<td>$326,384</td>
<td>$5,987,791</td>
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<td>Actuarial value of assets</td>
<td>45,864,221</td>
<td>2,049,135</td>
<td>2,954,597</td>
<td>1,339,975</td>
<td>312,959</td>
<td>4,960,710</td>
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<tr>
<td>Unfunded/(overfunded) liability: (2) - (3)</td>
<td>$4,100,920</td>
<td>$341,677</td>
<td>$1,089,541</td>
<td>$155,242</td>
<td>$13,425</td>
<td>$1,027,081</td>
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<tr>
<td>Funded Ratio: (3) / (2)</td>
<td>91.8%</td>
<td>85.7%</td>
<td>73.1%</td>
<td>89.6%</td>
<td>95.9%</td>
<td>99.3%</td>
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<tr>
<td>Annual Payroll</td>
<td>$19,519,197</td>
<td>$1,390,203</td>
<td>$953,149</td>
<td>$347,334</td>
<td>$1,242,833</td>
<td>$281,423</td>
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### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Normal Cost</th>
<th>Prior Service</th>
<th>Total Retirement</th>
<th>Supp. Death</th>
<th>Total Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>5.50%</td>
<td>6.11%</td>
<td>11.61%</td>
<td>0.13%</td>
<td>11.74%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>1.29%</td>
<td>1.63%</td>
<td>2.92%</td>
<td>0.17%</td>
<td>3.09%</td>
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<tr>
<td>Total Retirement</td>
<td>6.79%</td>
<td>7.75%</td>
<td>14.54%</td>
<td>0.30%</td>
<td>14.84%</td>
</tr>
<tr>
<td>Supp. Death</td>
<td>0.13%</td>
<td>0.17%</td>
<td>0.30%</td>
<td>0.00%</td>
<td>0.30%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>6.92%</td>
<td>7.92%</td>
<td>15.84%</td>
<td>0.30%</td>
<td>16.14%</td>
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<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
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<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Statutory Maximum Rate (Total Retirement Only)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2013</th>
<th>26.1 years</th>
<th>26.0 years</th>
<th>26.3 years</th>
<th>26.0 years</th>
<th>24.7 years</th>
<th>25.8 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of annuitants</td>
<td>137</td>
<td>8</td>
<td>21</td>
<td>5</td>
<td>3</td>
<td>19</td>
</tr>
<tr>
<td>Number of active contributing members</td>
<td>502</td>
<td>33</td>
<td>20</td>
<td>10</td>
<td>6</td>
<td>31</td>
</tr>
<tr>
<td>Number of inactive members</td>
<td>132</td>
<td>35</td>
<td>10</td>
<td>2</td>
<td>3</td>
<td>30</td>
</tr>
<tr>
<td>Average age of contributing members</td>
<td>39.2 years</td>
<td>45.4 years</td>
<td>48.0 years</td>
<td>49.5 years</td>
<td>49.5 years</td>
<td>47.2 years</td>
</tr>
<tr>
<td>Average length of service of contributing members</td>
<td>8.6 years</td>
<td>7.3 years</td>
<td>12.2 years</td>
<td>17.9 years</td>
<td>110 years</td>
<td>8.4 years</td>
</tr>
</tbody>
</table>

### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th>Pharr</th>
<th>Pilot Point</th>
<th>Pinehurst</th>
<th>Pineland</th>
<th>Piney Point Village</th>
<th>Pittsburg</th>
<th>Plains</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Contributing Members</td>
<td>$14,686,079</td>
<td>$410,367,811</td>
<td>$5,236,107</td>
<td>$44,714</td>
<td>$237,284</td>
<td>$5,906,742</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>3,635,391</td>
<td>48,937,242</td>
<td>713,365</td>
<td>22,042</td>
<td>69,195</td>
<td>591,023</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>14,280,822</td>
<td>215,110,542</td>
<td>1,803,445</td>
<td>97,886</td>
<td>339,519</td>
<td>2,123,277</td>
</tr>
<tr>
<td>Total Actuarial Liability</td>
<td>$32,602,292</td>
<td>$674,415,595</td>
<td>$7,752,917</td>
<td>$164,642</td>
<td>$344,825</td>
<td>$146,683,423</td>
</tr>
<tr>
<td>Actuarial value of assets</td>
<td>27,413,374</td>
<td>562,197,473</td>
<td>7,220,635</td>
<td>182,502</td>
<td>339,519</td>
<td>121,303,638</td>
</tr>
<tr>
<td>Unfunded/(overfunded) liability: (2) - (3)</td>
<td>$5,188,918</td>
<td>$112,218,122</td>
<td>$532,282</td>
<td>($17,860)</td>
<td>$5,306</td>
<td>$25,379,785</td>
</tr>
<tr>
<td>Funded Ratio: (3) / (2)</td>
<td>84.1%</td>
<td>83.4%</td>
<td>93.1%</td>
<td>110.8%</td>
<td>98.5%</td>
<td>82.7%</td>
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<tr>
<td>Annual Payroll</td>
<td>$5,724,033</td>
<td>$277,304,921</td>
<td>$3,249,862</td>
<td>$222,868</td>
<td>$321,287</td>
<td>$3,958,917</td>
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</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Normal Cost</th>
<th>Prior Service</th>
<th>Total Retirement</th>
<th>Supp. Death</th>
<th>Total Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>10.49%</td>
<td>13.30%</td>
<td>23.79%</td>
<td>0.15%</td>
<td>23.94%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>5.54%</td>
<td>8.57%</td>
<td>14.11%</td>
<td>0.13%</td>
<td>14.24%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>16.03%</td>
<td>21.87%</td>
<td>35.90%</td>
<td>0.28%</td>
<td>36.18%</td>
</tr>
<tr>
<td>Supp. Death</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>16.03%</td>
<td>21.87%</td>
<td>35.90%</td>
<td>0.28%</td>
<td>36.18%</td>
</tr>
<tr>
<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Statutory Maximum Rate (Total Retirement Only)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2013</th>
<th>26.3 years</th>
<th>26.2 years</th>
<th>25.9 years</th>
<th>25.4 years</th>
<th>22.8 years</th>
<th>26.6 years</th>
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<tbody>
<tr>
<td>Number of annuitants</td>
<td>82</td>
<td>712</td>
<td>18</td>
<td>1</td>
<td>1</td>
<td>25</td>
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<tr>
<td>Number of active contributing members</td>
<td>141</td>
<td>2,119</td>
<td>91</td>
<td>8</td>
<td>8</td>
<td>100</td>
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<tr>
<td>Number of inactive members</td>
<td>46</td>
<td>692</td>
<td>25</td>
<td>7</td>
<td>8</td>
<td>46</td>
</tr>
<tr>
<td>Average age of contributing members</td>
<td>45.4 years</td>
<td>44.1 years</td>
<td>43.3 years</td>
<td>51.3 years</td>
<td>48.8 years</td>
<td>47.4 years</td>
</tr>
<tr>
<td>Average length of service of contributing members</td>
<td>10.5 years</td>
<td>12.3 years</td>
<td>8.5 years</td>
<td>2.7 years</td>
<td>8.2 years</td>
<td>8.1 years</td>
</tr>
</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Port Isabel</th>
<th>Port Lavaca</th>
<th>Port Neches</th>
<th>Portland</th>
<th>Poteet</th>
<th>Poth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actuarial Accrued Liability</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributing Members</td>
<td>$2,216,404</td>
<td>$3,499,668</td>
<td>$17,692,198</td>
<td>$11,017,907</td>
<td>$714,876</td>
<td>$355,502</td>
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<tr>
<td>Noncontributing Members</td>
<td>366,880</td>
<td>1,578,311</td>
<td>3,552,853</td>
<td>16,005,912</td>
<td>3,584,178</td>
<td>453,769</td>
</tr>
<tr>
<td>Annuitants</td>
<td>1,041,907</td>
<td>3,552,853</td>
<td>16,005,912</td>
<td>3,584,178</td>
<td>453,769</td>
<td>232,375</td>
</tr>
<tr>
<td>Total</td>
<td>$3,625,191</td>
<td>$8,630,832</td>
<td>$34,532,966</td>
<td>$16,057,833</td>
<td>$1,269,791</td>
<td>$840,445</td>
</tr>
<tr>
<td>Actuarial value of assets</td>
<td>3,534,710</td>
<td>7,633,592</td>
<td>32,751,432</td>
<td>11,263,277</td>
<td>963,427</td>
<td>1,080,349</td>
</tr>
<tr>
<td>Unfunded/(overfunded) actuarial accrued liability</td>
<td>($90,481)</td>
<td>$997,240</td>
<td>$1,781,534</td>
<td>$4,794,556</td>
<td>($239,904)</td>
<td>$59,867</td>
</tr>
<tr>
<td>Funded Ratio: (3) / (2)</td>
<td>97.5%</td>
<td>88.4%</td>
<td>94.8%</td>
<td>70.1%</td>
<td>75.9%</td>
<td>85.6%</td>
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<tr>
<td>Annual Payroll</td>
<td>$2,215,872</td>
<td>$3,610,365</td>
<td>$5,368,880</td>
<td>$4,893,163</td>
<td>$558,171</td>
<td>$555,935</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- Normal Cost: 4.44% to 12.36%
- Prior Service: 0.24% to 6.00%
- Total Retirement: 4.68% to 12.36%
- Supplemental Death: 0.18% to 0.37%

**Supplemental Death**
- 0.18% to 0.37%

**Statutory Maximum Rate (Total Retirement Only)**
- 9.50%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 25.3 years to 25.8 years
- Number of annuitants: 5 to 8
- Number of active contributing members: 20 to 71
- Number of inactive members: 15 to 28
- Average age of contributing members: 44.1 years to 61.0 years
- Average length of service of contributing members: 8.1 years to 16.4 years

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### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Pottsboro</th>
<th>Premont</th>
<th>Presidio</th>
<th>Primera</th>
<th>Princeton</th>
<th>Prosper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actuarial Accrued Liability</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributing Members</td>
<td>$278,177</td>
<td>$301,387</td>
<td>$491,120</td>
<td>$268,232</td>
<td>$1,370,261</td>
<td>$4,416,204</td>
</tr>
<tr>
<td>Noncontributing Members</td>
<td>46,808</td>
<td>185,865</td>
<td>132,081</td>
<td>32,554</td>
<td>465,741</td>
<td>978,475</td>
</tr>
<tr>
<td>Annuitants</td>
<td>170,988</td>
<td>91,900</td>
<td>112,649</td>
<td>47,142</td>
<td>1,328,263</td>
<td>98,628</td>
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<tr>
<td>Total</td>
<td>$495,973</td>
<td>$709,094</td>
<td>$715,146</td>
<td>$305,759</td>
<td>$3,164,265</td>
<td>$5,493,307</td>
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<tr>
<td>Actuarial value of assets</td>
<td>575,157</td>
<td>797,527</td>
<td>772,184</td>
<td>365,057</td>
<td>2,940,847</td>
<td>4,072,790</td>
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<tr>
<td>Unfunded/(overfunded) actuarial accrued liability</td>
<td>($79,184)</td>
<td>($113,841)</td>
<td>($62,038)</td>
<td>($78,298)</td>
<td>$223,418</td>
<td>($59,143)</td>
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<tr>
<td>Funded Ratio: (3) / (2)</td>
<td>116.0%</td>
<td>116.1%</td>
<td>108.7%</td>
<td>125.6%</td>
<td>92.9%</td>
<td>111.0%</td>
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<tr>
<td>Annual Payroll</td>
<td>$750,686</td>
<td>$518,873</td>
<td>$1,241,426</td>
<td>$434,970</td>
<td>$1,482,362</td>
<td>$4,232,729</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- Normal Cost: 0.66% to 8.16%
- Prior Service: -0.66% to -0.31%
- Total Retirement: 0.00% to 0.18%
- Supplemental Death: 0.15% to 0.36%

**Statutory Maximum Rate (Total Retirement Only)**
- 7.50%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 25.3 years to 25.8 years
- Number of annuitants: 5 to 8
- Number of active contributing members: 20 to 71
- Number of inactive members: 15 to 28
- Average age of contributing members: 44.1 years to 61.0 years
- Average length of service of contributing members: 8.1 years to 16.4 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   a. Contributing Members $1,360,869 $181,655 $66,898 $8,557 $130,651 $1,423,254 $360,576
   b. Noncontributing Members 48,974 180,607 43,432 22,138 0 143,479 211,709
   c. Annuitants 1,261,458 0 100,871 0 0 1,295,705 752,803

2. **Total Actuarial Accrued Liability** $2,471,301 $362,262 $211,201 $30,695 $130,651 $2,862,438 $1,325,088

3. **Actuarial value of assets** 2,160,656 421,680 213,664 32,834 111,421 2,720,813 1,219,419

4. **Unfunded/(overfunded) actuarial accrued liability**: (2) - (3) $310,645 ($59,418) ($2,463) ($2,139) $19,230 $141,625 $105,669

5. **Funded Ratio**: (3) / (2) 87.4% 116.4% 101.2% 107.0% 85.3% 95.1% 92.0%

6. **Annual Payroll** $521,303 $389,777 $244,841 $97,122 $79,341 $768,267 $406,831

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement

- **Normal Cost** 8.71% 1.73% 2.58% 0.75% 3.75% 7.77% 4.83%
- **Prior Service** 3.64% -0.98% -0.06% -0.14% 1.10% 1.16% 0.87%
- **Total Retirement** 12.35% 0.77% 2.52% 0.61% 4.85% 8.93% 5.70%
- **Supplemental Death** 0.46% 0.17% 0.15% 0.08% 0.28% 0.19% 0.27%

#### Total Rate

- **Normal Cost** 12.81% 0.77% 2.52% 0.61% 5.45% 8.93% 6.45%
- **Prior Service** 1.62% 0.17% 0.06% 0.14% 0.70% 0.64% 0.37%
- **Total Retirement** 12.35% 0.94% 2.52% 0.61% 5.73% 9.12% 6.72%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013** 26.3 years 25.0 years 27.4 years 24.6 years 21.0 years 25.0 years 25.4 years
- **Number of annuitants** 10 0 3 0 0 12 7
- **Number of active contributing members** 17 13 6 2 3 20 13
- **Number of inactive members** 3 18 10 2 0 8 13
- **Average age of contributing members** 51.1 years 44.5 years 39.9 years 40.9 years 57.8 years 43.5 years 44.3 years
- **Average length of service of contributing members** 13.3 years 4.6 years 3.7 years 2.0 years 9.5 years 5.4 years 5.4 years

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   a. Contributing Members $1,461,537 $783,118 $312,791 $692,097 $2,938,017 $2,483,359 $37,594
   b. Noncontributing Members 93,161 272,660 0 0 316,106 879,947 67,766
   c. Annuitants 175,030 220,403 198,074 152,387 3,788,476 339,590 0

2. **Total Actuarial Accrued Liability** $1,729,728 $1,276,181 $510,865 $844,484 $7,042,599 $3,702,696 $105,360

3. **Actuarial value of assets** 1,672,104 1,163,928 538,330 494,543 7,771,939 3,324,150 87,739

4. **Unfunded/(overfunded) actuarial accrued liability**: (2) - (3) $57,624 $112,253 ($27,465) $349,941 ($729,340) $378,546 $17,621

5. **Funded Ratio**: (3) / (2) 96.7% 91.2% 105.4% 58.6% 110.4% 89.8% 83.3%

6. **Annual Payroll** $426,688 $628,260 $174,110 $460,472 $1,910,357 $3,751,390 $194,615

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement

- **Normal Cost** 8.23% 7.25% 3.58% 3.88% 5.49% 2.87% 1.88%
- **Prior Service** 0.79% 1.09% -0.99% 4.66% -2.40% 0.70% 0.64%
- **Total Retirement** 9.02% 8.34% 2.59% 8.54% 3.09% 3.53% 2.52%

#### Supplemental Death

- **Normal Cost** 9.14% 8.34% 2.87% 8.69% 3.26% 3.46% 2.67%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013** 28.4 years 26.4 years 25.1 years 26.1 years 25.1 years 21.4 years 20.8 years
- **Number of annuitants** 10 0 3 0 0 40 7
- **Number of active contributing members** 9 24 4 11 67 75 6
- **Number of inactive members** 7 51 0 0 0 52 5
- **Average age of contributing members** 37.3 years 41.9 years 53.3 years 46.2 years 44.4 years 47.8 years 47.4 years
- **Average length of service of contributing members** 12.4 years 4.6 years 16.7 years 11.4 years 9.7 years 7.5 years 2.2 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members
     - Refugio: $425,548
     - Reno (Lamar County): $1,832,232
     - Reno (Parker County): $829,234
     - Rhome: $61,270
     - Rice: $1,501,597
     - Richardson: $61,005
   - Noncontributing Members
     - Refugio: $124,100
     - Reno (Lamar County): $140,577
     - Reno (Parker County): $57,022
     - Rhome: $0
     - Rice: $58,813
     - Richardson: $0
   - Annuitants
     - Refugio: $1,013,584
     - Reno (Lamar County): $148,276
     - Reno (Parker County): $0
     - Rhome: $2,486
     - Rice: $58,813
     - Richardson: $0

2. Total Actuarial Accrued Liability
   - Refugio: $1,563,232
   - Reno (Lamar County): $829,234
   - Reno (Parker County): $420,578
   - Rhome: $91,096
   - Rice: $650,005
   - Richardson: $65,800

3. Actuarial value of assets
   - Refugio: $1,950,051
   - Reno (Lamar County): $623,865
   - Reno (Parker County): $543,842
   - Rhome: $131,862
   - Rice: $154,205
   - Richardson: $141,516

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - Refugio: ($386,819)
   - Reno (Lamar County): $205,369
   - Reno (Parker County): ($123,264)
   - Rhome: ($40,536)
   - Rice: $75,800
   - Richardson: ($36,042)

5. Funded Ratio: (3) / (2)
   - Refugio: 124.7%
   - Reno (Lamar County): 75.2%
   - Reno (Parker County): 129.3%
   - Rhome: 144.5%
   - Rice: 88.3%
   - Richardson: 89.0%

6. Annual Payroll
   - Refugio: $868,444
   - Reno (Lamar County): $227,950
   - Reno (Parker County): $470,163
   - Rhome: $381,960
   - Rice: $560,269
   - Richardson: $196,595

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Refugio</th>
<th>Reno (Lamar County)</th>
<th>Reno (Parker County)</th>
<th>Rhome</th>
<th>Rice</th>
<th>Richardson</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>1.13%</td>
<td>9.60%</td>
<td>4.12%</td>
<td>1.57%</td>
<td>0.94%</td>
<td>10.53%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>-1.13%</td>
<td>5.70%</td>
<td>-1.65%</td>
<td>-0.67%</td>
<td>-0.95%</td>
<td>-0.94%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>0.00%</td>
<td>15.30%</td>
<td>2.47%</td>
<td>0.90%</td>
<td>0.00%</td>
<td>14.61%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.00%</td>
<td>0.29%</td>
<td>0.30%</td>
<td>0.13%</td>
<td>0.12%</td>
<td>0.00%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>0.00%</td>
<td>15.59%</td>
<td>2.57%</td>
<td>1.02%</td>
<td>0.12%</td>
<td>14.61%</td>
</tr>
<tr>
<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Statutory Maximum Rate (Total Retirement Only)</td>
<td>7.50%</td>
<td>11.50%</td>
<td>7.50%</td>
<td>7.50%</td>
<td>7.50%</td>
<td>7.50%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: Refugio - 100.0 years, Reno (Lamar County) - 24.8 years, Reno (Parker County) - 25.0 years, Rhome - 24.9 years, Rice - 21.0 years, Richardson - 36.8 years
- Number of annuitants: Refugio - 18, Reno (Lamar County) - 3, Reno (Parker County) - 0, Rhome - 1, Rice - 2, Richardson - 0
- Number of active contributing members: Refugio - 28, Reno (Lamar County) - 6, Reno (Parker County) - 11, Rhome - 11, Rice - 14, Richardson - 6
- Number of inactive members: Refugio - 3, Reno (Lamar County) - 4, Reno (Parker County) - 4, Rhome - 17, Rice - 20, Richardson - 5
- Average age of contributing members: Refugio - 44.0 years, Reno (Lamar County) - 49.8 years, Reno (Parker County) - 43.6 years, Rhome - 40.2 years, Rice - 42.1 years, Richardson - 43.6 years
- Average length of service of contributing members: Refugio - 6.6 years, Reno (Lamar County) - 9.6 years, Reno (Parker County) - 8.3 years, Rhome - 4.9 years, Rice - 9.2 years, Richardson - 13.8 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members
     - $22,334
     - $5,708,198
     - $61,821
     - $5,039,159
     - $5,438,830
   - b. Noncontributing Members
     - 75,422
     - $5,601,402
     - $4,196
     - 537,670
     - $6,600,121
   - c. Annuitants
     - 0
     - $3,826,757
     - 75,922
     - 699,709
     - $3,107,304

2. **Total Actuarial Accrued Liability**
   - $97,656
   - $10,272,860
   - $141,939
   - $6,276,538
   - $11,335,917

3. **Actuarial value of assets**
   - $157,494
   - $8,176,487
   - 86,231
   - $4,610,555
   - $8,601,402

4. **Unfunded/(overfunded) actuarial accrued liability: (2) - (3)**
   - $(59,838)
   - $2,096,373
   - $55,708
   - $1,665,983
   - $2,734,515

5. **Funded Ratio: (3) / (2)**
   - 161.3%
   - 79.6%
   - 60.8%
   - 73.5%
   - 75.9%

6. **Annual Payroll**
   - $194,040
   - $2,272,452
   - $129,534
   - $2,453,794
   - $2,121,718

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Normal Cost</th>
<th>Prior Service</th>
<th>Total Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retirement</td>
<td>1.42%</td>
<td>-1.42%</td>
<td>0.00%</td>
<td>0.18%</td>
<td>0.00%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>11.45%</td>
<td>5.64%</td>
<td>3.80%</td>
<td>0.28%</td>
<td>0.81%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>12.02%</td>
<td>12.50%</td>
<td>0.00%</td>
<td>1.06%</td>
<td>1.07%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>12.00%</td>
<td>4.73%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>2.17%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>12.12%</td>
<td>12.56%</td>
<td>1.06%</td>
<td>0.00%</td>
<td>17.09%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 48.0 years
- Number of annuitants: 39
- Number of active contributing members: 60
- Number of inactive members: 24
- Average age of contributing members: 44.6 years
- Average length of service of contributing members: 9.4 years

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members
     - $70,693
     - $1,933,954
     - $333,436
     - $38,964,602
     - $391,085
   - b. Noncontributing Members
     - $97,397
     - 347,078
     - 11,821
     - 4,765,504
     - 438,435
   - c. Annuitants
     - $433,689
     - 1,065,284
     - 6,526,764
     - 11,289,627
     - 253,608

2. **Total Actuarial Accrued Liability**
   - $601,779
   - $3,346,316
   - $362,554
   - $55,019,733
   - $1,183,128

3. **Actuarial value of assets**
   - $641,524
   - $2,381,576
   - $352,628
   - $40,528,030
   - $1,193,886

4. **Unfunded/(overfunded) actuarial accrued liability: (2) - (3)**
   - $(39,745)
   - $964,740
   - $9,926
   - $14,491,703
   - $(10,758)

5. **Funded Ratio: (3) / (2)**
   - 106.6%
   - 71.2%
   - 97.3%
   - 73.7%
   - 99.0%

6. **Annual Payroll**
   - $92,378
   - $1,635,846
   - $161,011
   - $15,680,566
   - $557,577

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Normal Cost</th>
<th>Prior Service</th>
<th>Total Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retirement</td>
<td>4.02%</td>
<td>-2.71%</td>
<td>1.31%</td>
<td>0.52%</td>
<td>1.83%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>6.13%</td>
<td>3.63%</td>
<td>7.96%</td>
<td>0.21%</td>
<td>9.19%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>10.66%</td>
<td>10.46%</td>
<td>15.36%</td>
<td>0.25%</td>
<td>15.61%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>7.49%</td>
<td>4.90%</td>
<td>2.38%</td>
<td>0.00%</td>
<td>2.83%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>11.15%</td>
<td>10.76%</td>
<td>16.42%</td>
<td>0.12%</td>
<td>16.54%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 25.0 years
- Number of annuitants: 20
- Number of active contributing members: 44
- Number of inactive members: 22
- Average age of contributing members: 44.8 years
- Average length of service of contributing members: 8.8 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $6,059,641 $249,940 $54,744 $2,329,603 $200,484 $101,447,110 $49,496,196
   c. Annuitants 1,287,327 0 24,217 $16,364,810 28,587 $10,713,946 13,305,031
   3. Actuarial value of assets 5,995,354 299,229 121,469 $36,806,979 342,928 $116,942,673 $68,481,440
   4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $1,744,036 ($15,356) ($6,550) $10,629,973 ($93,571) $34,158,561 $10,947,200
   5. Funded Ratio: (3) / (2) 77.5% 105.4% 105.7% 77.6% 137.5% 77.4% 86.2%
   6. Annual Payroll $3,245,149 $276,009 $244,654 $11,195,783 $165,611 $44,388,274 $19,418,466

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
   - Normal Cost: 8.17% 2.30% 0.76% 9.20% 1.06% 11.08% 10.57%
   - Prior Service: 3.31% -0.35% -0.17% 5.82% -1.06% 4.73% 3.48%
   - Total Retirement: 11.48% 1.95% 0.59% 15.02% 0.00% 15.81% 14.05%
   - Supplemental Death: 0.20% 0.25% 0.30% 0.14% 0.26% 0.12% 0.00%
   - Total Rate: 11.68% 2.20% 0.89% 15.16% 0.26% 15.93% 14.05%
   - Phase-In Rate (Minimum Contribution), Incl. Supplemental Death: N/A N/A N/A 12.21% N/A N/A N/A
   - Statutory Maximum Rate (Total Retirement Only): 11.50% N/A N/A N/A N/A N/A N/A

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2013
   - Roma: 25.9 years
   - Brecken: 25.0 years
   - Refugio: 24.6 years
   - Rosenberg: 26.1 years
   - Round Rock: 26.0 years
   - Rowlett: 25.8 years

#### Number of annuitants
   - Roma: 24
   - Brecken: 0
   - Refugio: 2
   - Rosenberg: 103
   - Round Rock: 2
   - Rowlett: 103

#### Number of active contributing members
   - Roma: 116
   - Brecken: 7
   - Refugio: 9
   - Rosenberg: 216
   - Round Rock: 4
   - Rowlett: 793

#### Number of inactive members
   - Roma: 32
   - Brecken: 3
   - Refugio: 13
   - Rosenberg: 127
   - Round Rock: 4
   - Rowlett: 230

#### Average age of contributing members
   - Roma: 43.8 years
   - Brecken: 53.0 years
   - Refugio: 48.5 years
   - Rosenberg: 40.0 years
   - Round Rock: 45.9 years
   - Rowlett: 41.1 years

#### Average length of service of contributing members
   - Roma: 10.1 years
   - Brecken: 11.8 years
   - Refugio: 4.9 years
   - Rosenberg: 14.5 years
   - Round Rock: 10.8 years
   - Rowlett: 11.8 years

---

### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $2,410,400 $145,741 $255,432 $278,686 $1,344,115 $450,971 $10,526,778
   b. Noncontributing Members 725,380 39,112 72,714 47,063 123,751 9,617 3,392,477
   c. Annuitants 678,705 0 37,224 43,091 873,687 281,164 2,645,358
   2. Total Actuarial Accrued Liability $3,814,485 $184,853 $365,370 $368,840 $2,341,553 $741,752 $16,564,613
   3. Actuarial value of assets 2,634,944 182,586 471,077 240,850 2,216,863 757,930 12,720,837
   4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $1,179,541 $2,267 ($105,707) $127,990 $124,690 ($16,178) $3,843,776
   5. Funded Ratio: (3) / (2) 69.1% 98.8% 128.9% 65.3% 94.7% 102.2% 76.8%
   6. Annual Payroll $2,151,228 $73,391 $567,957 $110,748 $1,421,336 $406,529 $6,600,828

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
   - Normal Cost: 5.57% 7.08% 1.78% 9.23% 5.44% 4.33% 7.80%
   - Prior Service: 3.70% 0.19% -1.17% 7.11% 0.56% -0.25% 3.56%
   - Total Retirement: 9.27% 7.27% 0.61% 16.34% 6.00% 4.09% 11.36%
   - Supplemental Death: 0.15% 0.22% 0.20% 0.42% 0.19% 0.25% 0.13%
   - Total Rate: 9.42% 7.49% 0.81% 16.76% 6.19% 4.33% 11.49%
   - Phase-In Rate (Minimum Contribution), Incl. Supplemental Death: N/A N/A N/A 16.21% N/A N/A N/A
   - Statutory Maximum Rate (Total Retirement Only): 13.50% 11.50% 9.50% 9.50% 9.50% 9.50% 13.50%

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2013
   - Roma: 22.3 years
   - Brecken: 25.0 years
   - Refugio: 25.1 years
   - Rosenberg: 26.0 years
   - Round Rock: 26.0 years
   - Rowlett: 25.1 years

#### Number of annuitants
   - Roma: 11
   - Brecken: 0
   - Refugio: 2
   - Rosenberg: 14
   - Round Rock: 4
   - Rowlett: 16

#### Number of active contributing members
   - Roma: 43
   - Brecken: 3
   - Refugio: 14
   - Rosenberg: 37
   - Round Rock: 16
   - Rowlett: 122

#### Number of inactive members
   - Roma: 39
   - Brecken: 1
   - Refugio: 16
   - Rosenberg: 4
   - Round Rock: 2
   - Rowlett: 19

#### Average age of contributing members
   - Roma: 42.6 years
   - Brecken: 52.5 years
   - Refugio: 46.6 years
   - Rosenberg: 57.1 years
   - Round Rock: 43.3 years
   - Rowlett: 42.7 years

#### Average length of service of contributing members
   - Roma: 11.3 years
   - Brecken: 7.2 years
   - Refugio: 11.2 years
   - Rosenberg: 7.4 years
   - Round Rock: 9.3 years
   - Rowlett: 9.9 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members
     - Saginaw: $17,352,800
     - Salina Jo: $57,866
     - Salado: $218,070
     - San Angelo: $78,130,236
     - San Antonio: $518,601,219
     - San Antonio Water System: $80,811,613
     - San Augustine: $518,601,219
   - Noncontributing Members
     - Saginaw: 5,428,211
     - Salina Jo: 425,871
     - Salado: 82,962
     - San Angelo: 1,032,244
     - San Antonio: 9,245,437
     - San Augustine: 36,338
   - Annuitants
     - Saginaw: 933,205
     - Salina Jo: 55,788
     - Salado: 12,054
     - San Angelo: 9,274,938
     - San Antonio: 97,096,083
     - San Augustine: 5,485,726

2. **Total Actuarial Accrued Liability**: $23,514,216
3. **Actuarial value of assets**: $14,380,219
4. **Unfunded/(overfunded) actuarial accrued liability**: $9,133,997
5. **Funded Ratio**: 61.2%
6. **Annual Payroll**: $7,320,173

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Normal Cost</th>
<th>Prior Service</th>
<th>Total Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
<th>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</th>
<th>Statutory Maximum Rate (Total Retirement Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retirement</td>
<td>9.96%</td>
<td>7.66%</td>
<td>17.62%</td>
<td>0.14%</td>
<td>17.76%</td>
<td>16.86%</td>
<td>N/A</td>
</tr>
<tr>
<td>Prior Service</td>
<td>3.38%</td>
<td>0.4%</td>
<td>3.83%</td>
<td>0.21%</td>
<td>4.04%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>10.97%</td>
<td>0.88%</td>
<td>5.66%</td>
<td>0.24%</td>
<td>3.90%</td>
<td>5.28%</td>
<td>4.56%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>7.56%</td>
<td>0.00%</td>
<td>18.93%</td>
<td>0.00%</td>
<td>19.93%</td>
<td>0.19%</td>
<td>0.12%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>20.53%</td>
<td>0.24%</td>
<td>26.17%</td>
<td>0.24%</td>
<td>26.41%</td>
<td>5.28%</td>
<td>5.48%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 26.1 years
- **Number of annuitants**: 35
- **Number of active contributing members**: 141
- **Number of inactive members**: 42
- **Average age of contributing members**: 41.6 years
- **Average length of service of contributing members**: 11.2 years

---

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members
     - Saginaw: $5,881,388
     - Salina Jo: $127,932
     - Salado: $4,539,050
     - San Angelo: $80,124,287
     - San Antonio: $2,391,524
     - San Augustine: $3,491,617
   - Noncontributing Members
     - Saginaw: 1,066,362
     - Salina Jo: 52,957
     - Salado: 1,563,726
     - San Angelo: 14,586,717
     - San Antonio: 194,157
     - San Augustine: 310,062
   - Annuitants
     - Saginaw: 2,122,258
     - Salina Jo: 0
     - Salado: 853,775
     - San Angelo: 37,187,911
     - San Antonio: 1,896,542
     - San Augustine: 1,320,855

2. **Total Actuarial Accrued Liability**: $9,070,008
3. **Actuarial value of assets**: $7,965,579
4. **Unfunded/(overfunded) actuarial accrued liability**: $1,104,429
5. **Funded Ratio**: 87.8%
6. **Annual Payroll**: $5,441,621

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Normal Cost</th>
<th>Prior Service</th>
<th>Total Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
<th>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</th>
<th>Statutory Maximum Rate (Total Retirement Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retirement</td>
<td>3.67%</td>
<td>1.42%</td>
<td>5.09%</td>
<td>0.19%</td>
<td>5.28%</td>
<td>87.8%</td>
<td>N/A</td>
</tr>
<tr>
<td>Prior Service</td>
<td>2.26%</td>
<td>2.10%</td>
<td>4.36%</td>
<td>0.20%</td>
<td>4.56%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>4.38%</td>
<td>-0.30%</td>
<td>18.61%</td>
<td>0.15%</td>
<td>10.39%</td>
<td>107.9%</td>
<td>N/A</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>1.37%</td>
<td>0.07%</td>
<td>18.11%</td>
<td>0.14%</td>
<td>10.1%</td>
<td>107.9%</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Rate</td>
<td>5.07%</td>
<td>0.37%</td>
<td>20.11%</td>
<td>0.28%</td>
<td>10.39%</td>
<td>107.9%</td>
<td>11.50%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 21.1 years
- **Number of annuitants**: 37
- **Number of active contributing members**: 155
- **Number of inactive members**: 82
- **Average age of contributing members**: 44.9 years
- **Average length of service of contributing members**: 10.5 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members: $5,301,150, $25,726,546, $5,340,592, $272,552, $7,337,830
   - Noncontributing Members: 964,674, 39,767, 1,807,448, 75,890
   - Annuitants: 1,807,448, 39,767, 5,931,208, 4,121,073

2. Total Actuarial Accrued Liability: $8,073,272, $159,927, $35,296,880

3. Actuarial value of assets: 5,444,722, 223,545, 22,377,323

4. Unfunded/(overfunded) actuarial accrued liability: ($2,628,550), ($63,618), $12,919,557, $2,230,500

5. Funded Ratio: 67.4%, 139.8%, 63.4%, 78.4%

6. Annual Payroll: $2,913,354, $167,515, $13,655,059, $1,657,612

### CITY CONTRIBUTION RATES FOR 2013

- **Retirement**
  - Normal Cost: 6.90%, 9.68%, 20.80%, 7.51%
  - Prior Service: -1.07%, 5.81%, 0.21%, 5.07%
  - Total Retirement: 5.83%, 20.99%, 21.09%, 7.62%

- **Supplemental Death**: 0.00%, 0.18%, 0.18%, 0.15%

- **Total Rate**: 6.93%, 9.99%, 21.08%, 7.67%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 26.0 years, 100.0 years, 26.1 years, 25.9 years
- **Number of annuitants**: 15, 1, 46, 18
- **Number of active contributing members**: 65, 6, 286, 39
- **Number of inactive members**: 42, 7, 131, 13
- **Average age of contributing members**: 40.5 years, 40.9 years, 41.0 years, 45.7 years
- **Average length of service of contributing members**: 9.2 years, 5.6 years, 8.8 years, 13.7 years

### CITY CONTRIBUTION RATES FOR 2013

- **Retirement**
  - Normal Cost: 6.59%, 9.99%, 6.93%, 10.32%
  - Prior Service: 5.77%, 3.81%, 3.02%, 5.16%
  - Total Retirement: 12.18%, 10.40%, 12.85%, 15.48%

- **Supplemental Death**: 0.21%, 0.39%, 0.12%, 0.00%

- **Total Rate**: 7.1%, 10.99%, 12.97%, 15.73%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 26.2 years, 26.1 years, 20.8 years, 25.9 years
- **Number of annuitants**: 11, 13, 170, 9
- **Number of active contributing members**: 12, 52, 307, 72
- **Number of inactive members**: 20, 31, 116, 21

### Summary of the City Contributions for 2013

<table>
<thead>
<tr>
<th>CITY</th>
<th>Retirement Rate</th>
<th>Supplemental Death Rate</th>
<th>Total Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santa Fe</td>
<td>6.90%</td>
<td>0.00%</td>
<td>6.93%</td>
</tr>
<tr>
<td>Savoy</td>
<td>9.68%</td>
<td>0.18%</td>
<td>9.99%</td>
</tr>
<tr>
<td>Seguin</td>
<td>20.80%</td>
<td>0.18%</td>
<td>21.08%</td>
</tr>
<tr>
<td>Selma</td>
<td>7.51%</td>
<td>0.15%</td>
<td>7.67%</td>
</tr>
</tbody>
</table>

### Summary of the City Contributions for 2013

<table>
<thead>
<tr>
<th>CITY</th>
<th>Retirement Rate</th>
<th>Supplemental Death Rate</th>
<th>Total Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steilin</td>
<td>6.59%</td>
<td>0.00%</td>
<td>6.93%</td>
</tr>
<tr>
<td>Seven Points</td>
<td>9.99%</td>
<td>0.18%</td>
<td>9.99%</td>
</tr>
<tr>
<td>Seymour</td>
<td>6.93%</td>
<td>0.18%</td>
<td>7.11%</td>
</tr>
</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

#### 1. Actuarial Accrued Liability
   - **a. Contributing Members**: $0, $398,981, $1,007,838, $2,076,738, $4,903,750, $197,879, $50,436,312
   - **b. Noncontributing Members**: 2,294, 357,053, 17,909, 1,288,279, 1,396,780, 75,190, 7,050,078
   - **c. Annuitants**: 0, 43,948, 676,632, 495,006, 897,663, 0, 47,145,193

#### 2. Total Actuarial Accrued Liability
   - $2,294, $799,982, $1,702,379, $3,860,023, $7,198,193, $273,069, $104,631,583

#### 3. Actuarial value of assets
   - $2,631, 862,945, 1,249,809, 3,017,813, 4,018,682, 368,502, 90,211,167

#### 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - ($337), ($62,963), $452,570, $842,210, $3,179,511, ($95,433), $14,420,416

#### 5. Funded Ratio: (3) / (2)
   - 114.7%, 107.9%, 73.4%, 78.2%, 55.8%, 134.9%, 86.2%

#### 6. Annual Payroll
   - $0, $479,430, $637,540, $2,047,329, $3,234,353, $239,453, $20,234,212

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- **Normal Cost**: 5.04%, 3.80%, 5.02%, 7.98%, 8.16%, 2.89%, 10.39%
- **Prior Service**: 0.00%, -0.83%, 4.39%, 2.87%, 5.97%, -2.51%, 4.38%
- **Total Retirement**: 5.04%, 2.97%, 9.41%, 10.85%, 14.33%, 0.12%, 14.77%

#### Supplemental Death
- **Total Rate**: 5.13%, 3.17%, 9.83%, 11.01%, 14.29%, 0.50%, 14.97%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 0.0 years, 24.8 years, 25.8 years, 21.2 years, 26.6 years, 25.0 years, 26.0 years
- **Number of annuitants**: 0, 1, 14, 12, 7, 0, 255
- **Number of active contributing members**: 0, 13, 18, 44, 47, 8, 389
- **Number of inactive members**: 1, 10, 4, 7, 13, 11, 5
- **Average age of contributing members**: 44.2 years, 49.0 years, 40.5 years, 43.4 years, 47.0 years, 43.0 years
- **Average length of service of contributing members**: 7.7 years, 11.6 years, 40.5 years, 10.2 years, 7 years, 11.2 years
## SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $2,212,772 $37,415 $1,038,959 $24,400 $343,774 $1,041,043 $336,090
   b. Noncontributing Members 748,574 54,281 2,129,462 45,052 179,543 506,066 155,968
   c. Annuitants 920,539 0 11,269,832 117,105 284,460 1,839,464 0

2. Total Actuarial Accrued Liability $3,881,885 $91,696 $24,438,253 $186,557 $807,777 $3,386,573 $492,058

3. Actuarial value of assets 3,341,038 111,862 20,076,542 177,964 787,486 2,925,724 585,491

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $540,847 ($20,166) $4,361,711 $8,593 $20,291 $460,849 ($93,433)

5. Funded Ratio: (3) / (2) 86.1% 122.0% 82.2% 95.4% 97.5% 86.4% 119.0%

6. Annual Payroll $1,915,335 $50,618 $3,972,707 $279,749 $466,819 $1,013,848 $520,318

## CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- Normal Cost 5.12% 7.30% 12.11% 1.49% 6.03% 6.91% 1.46%
- Prior Service 1.73% -2.51% 4.79% 0.40% 0.25% 2.86% -1.13%
- Total Retirement 6.85% 4.79% 18.84% 1.89% 6.28% 9.77% 0.33%
- Supplemental Death 0.19% 0.17% 0.24% 0.21% 0.29% 0.34% 0.18%
- Total Rate 7.04% 4.96% 19.08% 2.10% 6.57% 10.11% 0.51%

**Supplemental Death**
- 0.19% 0.17% 0.24% 0.21% 0.29% 0.34% 0.18%

**Total Rate**
- 7.04% 4.96% 19.08% 2.10% 6.57% 10.11% 0.51%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**
- 6.91% N/A 18.18% N/A 6.52% N/A 7.50%

**Statutory Maximum Rate (Total Retirement Only)**
- 9.50% 4.79% 18.84% 1.89% 6.28% 9.77% 0.33%

## ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013 26.2 years 25.0 years 26.1 years 9.2 years 29.3 years 25.0 years 25.0 years
- Number of annuitants 19 0 41 5 6 23 0
- Number of active contributing members 56 1 85 11 13 27 14
- Number of inactive members 40 1 37 11 13 17 23
- Average age of contributing members 45.9 years 55.5 years 44.9 years 38.3 years 49.2 years 45.1 years 44.4 years
- Average length of service of contributing members 8.8 years 14.5 years 10.6 years 1.2 years 7.3 years 7.3 years 8.0 years

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## SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $9,546,998 $13,845,757 $35,543,793 $2,262,599 $885,566 $4,884,139 $1,411,816
   b. Noncontributing Members 1,222,865 2,740,420 8,509,759 82,268 460,756 724,201 758,291
   c. Annuitants 6,531,687 3,288,977 11,570,664 919,989 3,353,075 2,060,842 502,241

2. Total Actuarial Accrued Liability $17,301,550 $19,875,154 $55,624,216 $3,264,856 $4,699,397 $7,669,182 $2,672,348

3. Actuarial value of assets 14,783,790 17,787,878 46,290,272 2,700,885 4,052,609 7,362,991 2,521,820

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $2,517,760 $2,087,276 $9,333,944 $563,971 $646,788 $306,191 $1,150,528

5. Funded Ratio: (3) / (2) 85.4% 89.5% 83.2% 82.7% 86.2% 96.0% 94.4%

6. Annual Payroll $4,590,700 $6,864,584 $17,222,611 $984,011 $694,509 $2,064,945 $1,446,805

## CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- Normal Cost 9.25% 11.03% 8.30% 8.69% 7.35% 6.19% 8.06%
- Prior Service 3.37% 1.88% 3.21% 3.40% 5.72% 0.93% 0.63%
- Total Retirement 12.62% 12.88% 12.02% 12.09% 13.07% 7.12% 8.69%
- Supplemental Death 0.21% 0.18% 0.17% 0.24% 0.17% 0.26% 0.15%
- Total Rate 12.83% 13.03% 12.19% 12.34% 13.24% 7.38% 8.84%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**
- 11.78% N/A 12.38% N/A 13.18% N/A 13.50%

**Statutory Maximum Rate (Total Retirement Only)**
- 11.50% 13.50% 13.50% 13.50% 13.50% 7.38% 8.84%

## ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013 26.0 years 26.5 years 26.2 years 27.7 years 26.1 years 25.2 years 26.7 years
- Number of annuitants 50 25 66 9 18 11 9
- Number of active contributing members 109 154 278 19 24 18 36
- Number of inactive members 50 25 66 9 18 11 9
- Average age of contributing members 45.6 years 43.2 years 41.2 years 45.1 years 42.6 years 48.6 years 43.7 years
- Average length of service of contributing members 8.8 years 14.5 years 10.6 years 12.2 years 5.6 years 15.6 years 6.6 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - **Contributing Members**
     - Spa: $292,470
     - Stafford: $3,371,672
     - Stanton: $751,259
     - Star Harbor: $1,332,132
     - Stephenville: $214,597
     - Sterling City: $17,851,488
     - Total: $292,470
   - **Noncontributing Members**
     - Spa: 213,552
     - Stafford: 2,735,055
     - Stanton: 259,859
     - Star Harbor: 284,313
     - Stephenville: 1,777,714
     - Sterling City: 2,447,960
     - Total: 213,552
   - **Annuitants**
     - Spa: 0
     - Stafford: 10,956,923
     - Stanton: 1,739,427
     - Star Harbor: 361,328
     - Stephenville: 116,452
     - Sterling City: 10,168,036
     - Total: 0
   - **Total Actuarial Accrued Liability**
     - Spa: $506,022
     - Stafford: $27,063,650
     - Stanton: $2,750,541
     - Star Harbor: $1,981,058
     - Stephenville: $615,362
     - Sterling City: $30,467,484
     - Total: $506,022
   - **Actuarial value of assets**
     - Spa: $509,436
     - Stafford: $23,228,418
     - Stanton: $2,573,971
     - Star Harbor: $1,777,714
     - Stephenville: $550,464
     - Sterling City: $25,554,817
     - Total: $509,436
   - **Unfunded/(overfunded) actuarial accrued liability:** (2) - (3)
     - Spa: ($3,414)
     - Stafford: $3,835,232
     - Stanton: $176,570
     - Star Harbor: $203,344
     - Stephenville: $64,898
     - Sterling City: $4,912,667
     - Total: ($3,414)
   - **Funded Ratio:** (3) / (2)
     - Spa: 100.7%
     - Stafford: 85.8%
     - Stanton: 93.6%
     - Star Harbor: 89.7%
     - Stephenville: 89.5%
     - Sterling City: 83.9%
     - Total: 109.9%

2. **Annual Payroll**
   - Spa: $304,118
   - Stafford: $6,104,220
   - Stanton: $830,032
   - Star Harbor: $810,785
   - Stephenville: $139,324
   - Sterling City: $6,268,927
   - Total: $304,118

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th></th>
<th>Retirement</th>
<th>Supplemental Death</th>
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<tbody>
<tr>
<td>Normal Cost</td>
<td>2.62%</td>
<td>0.15%</td>
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<tr>
<td>Prior Service</td>
<td>-0.07%</td>
<td>0.19%</td>
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<td>Total Retirement</td>
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<tr>
<td>Total Rate</td>
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<td>N/A</td>
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<td>Statutory Maximum Rate (Total Retirement Only)</td>
<td>14.56%</td>
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<td>Statutory Maximum Rate (Total Retirement Only)</td>
<td>14.56%</td>
<td>0.15%</td>
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</tbody>
</table>

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**
  - Spa: 25.4 years
  - Stafford: 26.2 years
  - Stanton: 26.3 years
  - Star Harbor: 25.8 years
  - Stephenville: 26.0 years
  - Sterling City: 25.1 years
- **Number of annuitants**
  - Spa: 0
  - Stafford: 48
  - Stanton: 20
  - Star Harbor: 6
  - Stephenville: 4
  - Sterling City: 61
- **Number of active contributing members**
  - Spa: 10
  - Stafford: 122
  - Stanton: 28
  - Star Harbor: 18
  - Stephenville: 4
  - Sterling City: 139
- **Number of inactive members**
  - Spa: 7
  - Stafford: 46
  - Stanton: 22
  - Star Harbor: 9
  - Stephenville: 4
  - Sterling City: 54
- **Average age of contributing members**
  - Spa: 52.3 years
  - Stafford: 43.7 years
  - Stanton: 48.7 years
  - Star Harbor: 43.8 years
  - Stephenville: 48.5 years
  - Sterling City: 43.2 years
- **Average length of service of contributing members**
  - Spa: 9.4 years
  - Stafford: 9.8 years
  - Stanton: 7.4 years
  - Star Harbor: 11.1 years
  - Stephenville: 9.4 years
  - Sterling City: 13.1 years

---

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - **Contributing Members**
     - Sugar Land: $379,178
     - Sudan: $338,057
     - Sulphur Springs: $219,943
     - Sundown: $96,685
     - Sunnyvale: $13,928
     - Total: $520,567
   - **Noncontributing Members**
     - Sugar Land: 723,022
     - Sudan: 163,821
     - Sulphur Springs: 10,531
     - Sundown: 12,117
     - Sunnyvale: 1,943
     - Total: 671,857
   - **Annuitants**
     - Sugar Land: 214,136
     - Sudan: 493,073
     - Sulphur Springs: 265,676
     - Sundown: 24,074
     - Sunnyvale: 11,035
     - Total: 992,039
   - **Total Actuarial Accrued Liability**
     - Sugar Land: $1,316,336
     - Sudan: $994,951
     - Sulphur Springs: $496,150
     - Sundown: $132,876
     - Sunnyvale: $26,907
     - Total: $2,189,698
   - **Actuarial value of assets**
     - Sugar Land: $1,625,823
     - Sudan: $687,928
     - Sulphur Springs: $512,376
     - Sundown: $772,437
     - Sunnyvale: $1,951
     - Total: $2,771,176
   - **Unfunded/(overfunded) actuarial accrued liability:** (2) - (3)
     - Sugar Land: ($309,487)
     - Sudan: $307,023
     - Sulphur Springs: ($16,226)
     - Sundown: $22,556
     - Sunnyvale: $12,367
     - Total: $979,238
   - **Funded Ratio:** (3) / (2)
     - Sugar Land: 123.5%
     - Sudan: 69.1%
     - Sulphur Springs: 103.3%
     - Sundown: 83.0%
     - Sunnyvale: 103.2%
     - Total: 73.9%

2. **Annual Payroll**
   - Sugar Land: $435,674
   - Sudan: $525,752
   - Sulphur Springs: $237,253
   - Sundown: $37,634
   - Sunnyvale: $6,550
   - Total: $1,413,211

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
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<th>Retirement</th>
<th>Supplemental Death</th>
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<tr>
<td>Normal Cost</td>
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<td>Prior Service</td>
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<td>Total Rate</td>
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<tr>
<td>Statutory Maximum Rate (Total Retirement Only)</td>
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<td>N/A</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**
  - Sugar Land: 45.7 years
  - Sudan: 25.7 years
  - Sulphur Springs: 100.0 years
  - Sundown: 25.4 years
  - Sunnyvale: 26.2 years
  - Total: 26.2 years
- **Number of annuitants**
  - Sugar Land: 4
  - Sudan: 8
  - Sulphur Springs: 3
  - Sundown: 99
  - Sunnyvale: 85
  - Total: 11
- **Number of active contributing members**
  - Sugar Land: 11
  - Sudan: 14
  - Sulphur Springs: 8
  - Sundown: 66
  - Sunnyvale: 128
  - Total: 22
- **Number of inactive members**
  - Sugar Land: 15
  - Sudan: 22
  - Sulphur Springs: 1
  - Sundown: 93
  - Sunnyvale: 31
  - Total: 17
- **Average age of contributing members**
  - Sugar Land: 41.7 years
  - Sudan: 45.4 years
  - Sulphur Springs: 44.0 years
  - Sundown: 42.0 years
  - Sunnyvale: 45.0 years
  - Total: 40.9 years
- **Average length of service of contributing members**
  - Sugar Land: 7.1 years
  - Sudan: 6.4 years
  - Sulphur Springs: 10.4 years
  - Sundown: 11.4 years
  - Sunnyvale: 13.6 years
  - Total: 9.2 years
## SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members $915,227 $125,424 $2,097,313 $189,400 $1,622,894 $12,547,955 $13,478,309
   - b. Noncontributing Members 180,976 20,119 674,661 145,296 181,065 1,088,942 4,012,769
   - c. Annuitants 954,470 41,846 445,321 0 2,865,700 10,705,394 9,245,916

2. **Total Actuarial Accrued Liability**
   - $2,050,673 $187,389 $3,217,295 $334,696 $4,669,659 $24,342,291 $26,736,994

3. **Actuarial value of assets**
   - 1,321,787 167,508 2,710,399 391,638 3,407,239 18,398,383 20,764,916

4. **Unfunded/(overfunded) actuarial accrued liability: (2) - (3)**
   - ($728,886) ($19,881) ($506,896) ($56,942) $1,262,420 $5,943,908 $5,972,078

5. **Funded Ratio: (3) / (2)**
   - 64.5% 89.4% 84.2% 117.0% 73.0% 75.6% 77.7%

6. **Annual Payroll**
   - $454,959 $242,674 $1,494,516 $563,107 $840,583 $4,185,359 $6,508,256

### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- Normal Cost: 10.70% 0.00% 7.58% 1.31% 10.94% 11.60% 10.92%
- Prior Service: 9.85% 0.77% 2.07% -0.64% 9.23% 8.67% 5.61%
- Total Retirement: 20.55% 0.77% 9.65% 0.67% 20.17% 20.27% 16.53%
- Supplemental Death: 0.26% 0.14% 0.12% 0.15% 0.32% 0.25% 0.15%
- Total Rate: 20.81% 0.91% 9.77% 0.82% 20.49% 20.52% 16.68%

**Statutory Maximum Rate (Total Retirement Only)**
- 9.50% 11.50% 7.50% N/A 13.50% N/A 7.50%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**
- N/A N/A N/A 12.91% 8.57% 17.70% N/A

**GASB 25 Equivalent Single Amortization Period as of 1/2013**
- 26.0 years 13.9 years 26.3 years 24.8 years 26.0 years 26.3 years 26.3 years

### ADDITIONAL INFORMATION

- Number of annuitants: 8 1 3 0 17 63 19
- Number of active contributing members: 11 7 29 17 20 103 79
- Number of inactive members: 11 7 19 29 5 22 24
- Average age of contributing members: 38.9 years 42.0 years 41.3 years 45.1 years 46.9 years 44.3 years 48.5 years
- Average length of service of contributing members: 7.9 years 10.6 years 8.3 years 4.3 years 8.4 years 11.9 years 10.7 years
### Actuarial Valuation of Participating Municipalities

#### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th>Municipality</th>
<th>Actuarial Accrued Liability</th>
<th>Contributing Members</th>
<th>Noncontributing Members</th>
<th>Annuitants</th>
<th>Total Actuarial Accrued Liability</th>
<th>Actuarial Value of Assets</th>
<th>Unfunded/(overfunded) actuarial accrued liability</th>
<th>Funded Ratio</th>
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<td>$4,853,577</td>
<td>$10,912,795</td>
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<td>$8,240,131</td>
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#### CITY CONTRIBUTION RATES FOR 2013

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<th>Normal Cost</th>
<th>Prior Service</th>
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<th>Supplemental Death</th>
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#### ADDITIONAL INFORMATION

<table>
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<tr>
<th>Municipality</th>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2013</th>
<th>Number of annuitants</th>
<th>Number of active contributing members</th>
<th>Number of inactive members</th>
<th>Average age of contributing members</th>
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<tr>
<td>Terrell</td>
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The table continues with similar information for the other municipalities.
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members: $123,341, $260,001, $420,045, $123,969, $238,806, $57,434, $13,910,656
   - Noncontributing Members: $199,882, $14,872, $20,147, $13,379, $13,681, $32,693, $3,011,533
   - Annuitants: $265,311, $0, $128,348, $0, $0, $68,064, $8,115,962


3. Actuarial value of assets: $545,327, $233,171, $537,771, $194,238, $227,365, $154,888, $19,902,858

4. Unfunded/(overfunded) actuarial accrued liability: ($2) - (3) $43,207, $41,702, $22,769, ($56,890), $24,922, $3,303, $5,135,293

5. Funded Ratio: (3) / (2) 92.7%, 84.8%, 95.9%, 141.4%, 90.1%, 97.9%, 79.5%


### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- Normal Cost: 3.76%, 1.59%, 2.60%, 1.63%, 5.06%, 1.12%, 8.95%
- Prior Service: 1.95%, 0.72%, 0.37%, -1.63%, 0.81%, 0.12%, 4.10%
- Total Retirement: 5.71%, 2.31%, 2.97%, 0.00%, 5.87%, 1.24%, 13.05%
- Supplemental Death: 0.30%, 0.22%, 0.23%, 0.16%, 0.10%, 0.12%, 0.18%
- Total Rate: 6.01%, 2.53%, 3.20%, 0.16%, 6.03%, 1.36%, 13.23%
- Phase-In Rate (Minimum Contribution), Incl. Supplemental Death: N/A, N/A, N/A, N/A, N/A, N/A, N/A
- Statutory Maximum Rate (Total Retirement Only): 9.50%, N/A, 7.50%, 7.50%, N/A, 7.50%, 7.50%

**ADDITIONAL INFORMATION**
- GASB 25 Equivalent Single Amortization Period as of 1/2013: 25.2 years, 23.0 years, 25.6 years, 30.1 years, 18.7 years, 20.3 years, 26.2 years
- Number of annuitants: 4, 0, 5, 0, 0, 1, 43
- Number of active contributing members: 5, 8, 10, 6, 5, 6, 141
- Number of inactive members: 6, 3, 4, 8, 3, 9, 41
- Average age of contributing members: 39.9 years, 46.7 years, 44.5 years, 42.7 years, 52.2 years, 42.0 years, 43.9 years
- Average length of service of contributing members: 8.1 years, 8.4 years, 8.5 years, 7.6 years, 10.2 years, 4.5 years, 9.9 years

### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members: $81,246, $28,510, $229,926, $191,580, $7,423,970, $293,384, $117,335
   - Noncontributing Members: 0, $91,785, $12,840, $152,326, $2,839,536, $253,283, $28,300
   - Annuitants: $14,060, $169,078, $191,952, $383,595, $2,421,785, $325,485, $212,754


3. Actuarial value of assets: $94,982, $291,034, $351,696, $760,296, $8,701,754, $762,994, $402,351

4. Unfunded/(overfunded) actuarial accrued liability: ($2) - (3) $324, ($1,661), $83,022, ($32,795), $3,983,537, $109,158, ($43,962)

5. Funded Ratio: (3) / (2) 99.7%, 100.6%, 80.9%, 104.5%, 68.6%, 87.5%, 112.3%


### CITY CONTRIBUTION RATES FOR 2013

**Retirement**
- Normal Cost: 4.36%, 3.73%, 2.80%, 1.60%, 8.62%, 2.55%, 1.66%
- Prior Service: 1.04%, 0.00%, 2.14%, -0.28%, 5.31%, 0.86%, 0.97%
- Total Retirement: 5.40%, 3.66%, 5.21%, 1.32%, 13.95%, 3.41%, 3.08%
- Supplemental Death: 0.38%, 0.23%, 0.35%, 0.15%, 0.13%, 0.27%, 0.37%
- Total Rate: 5.78%, 3.91%, 5.56%, 1.47%, 14.06%, 3.68%, 1.15%
- Phase-In Rate (Minimum Contribution), Incl. Supplemental Death: N/A, N/A, N/A, N/A, N/A, N/A, N/A
- Statutory Maximum Rate (Total Retirement Only): 11.50%, 9.50%, 7.50%, 7.50%, N/A, 9.50%, 7.50%

**ADDITIONAL INFORMATION**
- GASB 25 Equivalent Single Amortization Period as of 1/2013: 0.5 years, 25.4 years, 21.0 years, 25.6 years, 26.2 years, 28.4 years, 24.9 years
- Number of annuitants: 1, 1, 5, 6, 16, 8, 8
- Number of active contributing members: 2, 4, 7, 27, 78, 21, 9
- Number of inactive members: 0, 9, 3, 30, 58, 14, 5
- Average age of contributing members: 56.7 years, 45.4 years, 52.8 years, 41.0 years, 41.3 years, 40.6 years, 43.0 years
- Average length of service of contributing members: 15.0 years, 2.7 years, 10.6 years, 4.2 years, 9.2 years, 5.2 years, 4.4 years
### Summary of Actuarial Information

1. **Actuarial Accrued Liability**
   - Contributing Members $3,660,243
   - Noncontributing Members 725,701
   - Annuitants 2,789,686

2. **Total Actuarial Accrued Liability** $7,175,630

3. **Actuarial Value of Assets** 6,459,506

4. **Unfunded/(Overfunded) Actuarial Accrued Liability**: $716,124

5. **Funded Ratio**: 90.0%

6. **Annual Payroll**: $1,215,197

### City Contribution Rates for 2013

- **Retirement**
  - Normal Cost 11.46%
  - Prior Service 3.65%
  - Total Retirement 15.11%

- **Supplemental Death** 0.25%

- **Total Rate** 15.36%

### Additional Information

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 25.7 years
- **Number of Annuitants**: 25
- **Number of Active Contributing Members**: 32
- **Average Age of Contributing Members**: 40.9 years
- **Average Length of Service of Contributing Members**: 12.3 years

---

### Summary of Actuarial Information

1. **Actuarial Accrued Liability**
   - Contributing Members $831,379
   - Noncontributing Members 22,113
   - Annuitants 390,522

2. **Total Actuarial Accrued Liability** $1,244,014

3. **Actuarial Value of Assets** 1,539,278

4. **Unfunded/(Overfunded) Actuarial Accrued Liability**: ($295,264)

5. **Funded Ratio**: 123.7%

6. **Annual Payroll**: $707,384

### City Contribution Rates for 2013

- **Retirement**
  - Normal Cost 4.72%
  - Prior Service -2.63%
  - Total Retirement 2.09%

- **Supplemental Death** 0.21%

- **Total Rate** 2.30%

### Additional Information

- **GASB 25 Equivalent Single Amortization Period as of 1/2013**: 25.0 years
- **Number of Annuitants**: 6
- **Number of Active Contributing Members**: 17
- **Average Age of Contributing Members**: 46.5 years
- **Average Length of Service of Contributing Members**: 9.5 years
### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th>Municipality</th>
<th>Value</th>
<th>Village Fire Department</th>
<th>Waco</th>
<th>Waelder</th>
<th>Waelder Village</th>
<th>Walker</th>
<th>Wallis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vidor</td>
<td>$9,368,256</td>
<td>$7,528,077</td>
<td>$190,693,273</td>
<td>$240,621</td>
<td>$1,073,040</td>
<td>$1,379,875</td>
<td>$464,741</td>
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<tr>
<td>Village Fire</td>
<td>684,751</td>
<td>973,201</td>
<td>19,028,435</td>
<td>121,251</td>
<td>300,730</td>
<td>269,406</td>
<td>95,365</td>
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<tr>
<td>Waelder</td>
<td>3,966,966</td>
<td>5,472,701</td>
<td>144,659,303</td>
<td>197,154</td>
<td>1,357,936</td>
<td>545,549</td>
<td>199,279</td>
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<td>Wake Village</td>
<td>$14,209,973</td>
<td>$12,973,979</td>
<td>$354,381,011</td>
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<td>$2,801,506</td>
<td>$2,194,830</td>
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<tr>
<td>Waelder Village</td>
<td>11,336,548</td>
<td>12,377,120</td>
<td>307,003,573</td>
<td>625,245</td>
<td>2,201,239</td>
<td>2,249,341</td>
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<tr>
<td>Wallis</td>
<td>$2,873,425</td>
<td>$696,859</td>
<td>$47,377,438</td>
<td>($46,229)</td>
<td>($54,513)</td>
<td>($54,513)</td>
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<tr>
<td>Funded Ratio: (3) / (2)</td>
<td>79.8%</td>
<td>95.0%</td>
<td>86.6%</td>
<td>108.0%</td>
<td>78.6%</td>
<td>102.9%</td>
<td>99.9%</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>Municipality</th>
<th>City Contribution Rates for 2013</th>
<th>Retirement</th>
<th>Supplemental Death</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vidor</td>
<td>Retirement Normal Cost</td>
<td>12.21%</td>
<td>0.19%</td>
</tr>
<tr>
<td>Village Fire</td>
<td>Prior Service</td>
<td>6.06%</td>
<td>-0.13%</td>
</tr>
<tr>
<td>Waelder</td>
<td>Total Retirement</td>
<td>18.27%</td>
<td>0.17%</td>
</tr>
<tr>
<td>Wake Village</td>
<td>Supplemental Death</td>
<td>0.19%</td>
<td>0.02%</td>
</tr>
<tr>
<td>Waelder Village</td>
<td>Total Rate</td>
<td>18.46%</td>
<td>4.44%</td>
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<tr>
<td>Walker</td>
<td>Phase-In Rate</td>
<td>18.38%</td>
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<tr>
<td>Wallis</td>
<td>Statutory Maximum Rate</td>
<td>N/A</td>
<td>N/A</td>
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</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th>Municipality</th>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2013</th>
<th>Number of annuitants</th>
<th>Number of active contributing members</th>
<th>Number of inactive members</th>
<th>Average age of contributing members</th>
<th>Average length of service of contributing members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vidor</td>
<td>25.8 years</td>
<td>32</td>
<td>67</td>
<td>21</td>
<td>45.4 years</td>
<td>13.6 years</td>
</tr>
<tr>
<td>Village Fire</td>
<td>25.8 years</td>
<td>12</td>
<td>47</td>
<td>18</td>
<td>40.5 years</td>
<td>8 years</td>
</tr>
<tr>
<td>Waelder</td>
<td>24.3 years</td>
<td>21</td>
<td>140</td>
<td>393</td>
<td>44.4 years</td>
<td>13.8 years</td>
</tr>
<tr>
<td>Wake Village</td>
<td>25.1 years</td>
<td>16</td>
<td>212</td>
<td>374</td>
<td>39.7 years</td>
<td>11.8 years</td>
</tr>
<tr>
<td>Waelder Village</td>
<td>26.5 years</td>
<td>16</td>
<td>342</td>
<td>406</td>
<td>43.0 years</td>
<td>4.9 years</td>
</tr>
<tr>
<td>Walker</td>
<td>7.8 years</td>
<td>17</td>
<td>27</td>
<td>24</td>
<td>26.5 years</td>
<td>10 years</td>
</tr>
<tr>
<td>Wallis</td>
<td>7.8 years</td>
<td>11</td>
<td>17</td>
<td>10</td>
<td>8.7 years</td>
<td>9.4 years</td>
</tr>
</tbody>
</table>

### SUMMARY OF ACTUARIAL INFORMATION

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<th>Value</th>
<th>Village Fire Department</th>
<th>Waco</th>
<th>Waelder</th>
<th>Waelder Village</th>
<th>Walker</th>
<th>Wallis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walnut Springs</td>
<td>$66,556</td>
<td>$884,537</td>
<td>$17,150,522</td>
<td>$24,854,683</td>
<td>$46,839,433</td>
<td>$22,789,149</td>
<td>$3,229,562</td>
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<tr>
<td>Waskom</td>
<td>0</td>
<td>45,462</td>
<td>6,100,632</td>
<td>2,924,324</td>
<td>6,429,716</td>
<td>4,305,757</td>
<td>606,635</td>
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<tr>
<td>Watauga</td>
<td>9,067</td>
<td>574,847</td>
<td>7,847,899</td>
<td>15,902,276</td>
<td>29,985,892</td>
<td>12,085,898</td>
<td>1,967,228</td>
</tr>
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<td>Weatherford</td>
<td>$75,623</td>
<td>$1,130,846</td>
<td>$31,099,053</td>
<td>$43,772,283</td>
<td>$82,255,041</td>
<td>$39,180,804</td>
<td>$3,901,925</td>
</tr>
<tr>
<td>Weatherford</td>
<td>192</td>
<td>138</td>
<td>57,894,038</td>
<td>23,824,000</td>
<td>44,083,383</td>
<td>30,257,361</td>
<td>6,690,348</td>
</tr>
<tr>
<td>Weatherford</td>
<td>($1,695)</td>
<td>$366,808</td>
<td>$5,273,361</td>
<td>$10,276,000</td>
<td>$18,431,009</td>
<td>$8,604,934</td>
<td>$1,109,583</td>
</tr>
<tr>
<td>Weatherford</td>
<td>102.2%</td>
<td>75.8%</td>
<td>83.0%</td>
<td>76.5%</td>
<td>77.9%</td>
<td>78.0%</td>
<td>80.9%</td>
</tr>
<tr>
<td>Weatherford</td>
<td>$79,155</td>
<td>$764,167</td>
<td>$8,828,204</td>
<td>$11,036,345</td>
<td>$18,281,905</td>
<td>$9,333,101</td>
<td>$1,112,911</td>
</tr>
<tr>
<td>Weatherford</td>
<td>2.07%</td>
<td>3.62%</td>
<td>9.23%</td>
<td>10.93%</td>
<td>10.99%</td>
<td>11.04%</td>
<td>12.34%</td>
</tr>
<tr>
<td>Weatherford</td>
<td>0.13%</td>
<td>2.93%</td>
<td>3.65%</td>
<td>5.74%</td>
<td>6.07%</td>
<td>5.64%</td>
<td>6.15%</td>
</tr>
<tr>
<td>Weatherford</td>
<td>1.94%</td>
<td>6.59%</td>
<td>12.88%</td>
<td>16.67%</td>
<td>17.06%</td>
<td>16.8%</td>
<td>18.49%</td>
</tr>
<tr>
<td>Weatherford</td>
<td>0.21%</td>
<td>0.14%</td>
<td>0.34%</td>
<td>0.19%</td>
<td>0.16%</td>
<td>0.17%</td>
<td>0.04%</td>
</tr>
<tr>
<td>Weatherford</td>
<td>2.15%</td>
<td>6.69%</td>
<td>13.02%</td>
<td>16.86%</td>
<td>17.22%</td>
<td>18.8%</td>
<td>18.4%</td>
</tr>
<tr>
<td>Weatherford</td>
<td>102.2%</td>
<td>75.8%</td>
<td>83.0%</td>
<td>76.5%</td>
<td>77.9%</td>
<td>78.0%</td>
<td>80.9%</td>
</tr>
<tr>
<td>Weatherford</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th>Municipality</th>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2013</th>
<th>Number of annuitants</th>
<th>Number of active contributing members</th>
<th>Number of inactive members</th>
<th>Average age of contributing members</th>
<th>Average length of service of contributing members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walnut Springs</td>
<td>26.6 years</td>
<td>32</td>
<td>67</td>
<td>21</td>
<td>45.4 years</td>
<td>13.6 years</td>
</tr>
<tr>
<td>Waskom</td>
<td>26.3 years</td>
<td>12</td>
<td>47</td>
<td>18</td>
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<td>8 years</td>
</tr>
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<td>393</td>
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<td>212</td>
<td>374</td>
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<td>11.8 years</td>
</tr>
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<td>Weatherford</td>
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<td>17</td>
<td>27</td>
<td>10</td>
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<td>9.4 years</td>
</tr>
<tr>
<td>Weatherford</td>
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<td>11</td>
<td>17</td>
<td>10</td>
<td>8.7 years</td>
<td>9.4 years</td>
</tr>
</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members: $1,478,609, $118,206, $9,484,478, $634,730, $1,704,978, $2,928,094, $3,481,760
   - Annuitants: 842,895, 90,831, 14,741,875, 811,838, 1,027,930, 1,752,969, 3,145,594

2. **Total Actuarial Accrued Liability**: $2,388,630, 266,502, $27,926,939, $1,478,857, $3,165,838, $5,608,875, $7,091,211

3. **Actuarial value of assets**: 2,568,732, 250,294, 28,450,881, 1,634,269, 3,593,787, 4,488,367, 5,420,140

4. **Unfunded/(overfunded) actuarial accrued liability**: ($180,102), $16,208, ($523,942), ($155,412), ($427,949), $1,120,508, $1,671,071

5. **Funded Ratio**: 107.5%, 93.9%, 101.9%, 110.5%, 113.5%, 80.0%, 76.4%

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost: 9.45%, 4.85%, 3.56%, 3.32%, 6.16%, 8.19%, 11.08%
- Prior Service: -2.79%, 1.13%, -0.39%, -1.40%, -2.12%, 4.25%, 8.40%
- Total Retirement: 6.66%, 5.98%, 3.17%, 1.92%, 0.22%, 0.24%, 19.48%

#### Supplemental Death
- 0.41%, 0.00%, 0.17%, 0.22%, 0.00%, 0.24%, 0.00%

#### Total Rate
- 7.07%, 5.98%, 3.34%, 2.14%, 0.40%, 12.68%, 19.48%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- N/A, N/A, N/A, N/A, N/A, N/A, N/A

#### Statutory Maximum Rate (Total Retirement Only)
- N/A, 7.50%, N/A, 9.50%, 11.50%, N/A, N/A

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 25.1 years, 25.2 years, 28.0 years, 25.1 years, 25.0 years, 26.4 years, 25.9 years
- Number of annuitants: 11, 2, 118, 10, 15, 18, 17
- Number of active contributing members: 13, 3, 192, 21, 32, 29, 25
- Number of inactive members: 5, 5, 118, 7, 22, 24, 9
- Average age of contributing members: 50.6 years, 49.7 years, 41.3 years, 42.6 years, 46.6 years, 43.1 years, 46.1 years
- Average length of service of contributing members: 18.5 years, 8.1 years, 9.0 years, 8.9 years, 8.8 years, 11.7 years

---

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members: $430,807, $13,311,658, $1,826,774, $362,734, $1,386,503, $6,660,918, $635,600
   - Noncontributing Members: 332,040, 6,500,873, 427,400, 177,764, 500,085, 1,781,117, 16,350
   - Annuitants: 97,847, 16,002,159, 377,242, 1,068,208, 891,734, 2,495,931, 1,943,375

2. **Total Actuarial Accrued Liability**: $860,694, $35,814,690, $2,631,416, $1,608,706, $2,778,322, $10,937,968, $923,423

3. **Actuarial value of assets**: 616,130, 31,698,316, 2,226,028, 1,593,857, 2,217,132, 9,755,282, 854,577

4. **Unfunded/(overfunded) actuarial accrued liability**: ($244,564), $4,116,374, $405,388, $14,849, $560,589, $1,182,686, $68,846

5. **Funded Ratio**: 71.6%, 88.5%, 84.6%, 99.1%, 79.8%, 89.2%, 92.5%

6. **Annual Payroll**: $482,569, $7,892,795, $1,808,854, $922,210, $2,089,201, $3,831,612, $189,010

### CITY CONTRIBUTION RATES FOR 2013

#### Retirement
- Normal Cost: 6.29%, 6.45%, 5.52%, 0.31%, 6.01%, 6.28%, 12.75%
- Prior Service: 3.54%, 3.19%, 1.56%, 0.10%, 1.63%, 1.88%, 2.28%
- Total Retirement: 9.83%, 9.64%, 7.08%, 0.41%, 7.64%, 8.16%, 15.03%

#### Supplemental Death
- 0.27%, 0.16%, 0.12%, 0.33%, 0.14%, 0.21%, 0.28%

#### Total Rate
- 10.10%, 9.80%, 7.20%, 0.74%, 7.78%, 8.37%, 15.31%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- N/A, N/A, N/A, 7.50%, 13.50%, 9.50%, N/A

#### Statutory Maximum Rate (Total Retirement Only)
- N/A, N/A, N/A, 9.50%, 11.50%, N/A, N/A

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 21.2 years, 26.2 years, 21.3 years, 25.6 years, 26.6 years, 26.4 years, 25.2 years
- Number of annuitants: 5, 79, 6, 18, 8, 26, 1
- Number of active contributing members: 11, 120, 25, 19, 46, 82, 5
- Number of inactive members: 15, 75, 15, 6, 34, 27, 2
- Average age of contributing members: 46.4 years, 41.1 years, 42.0 years, 48.0 years, 41.7 years, 45.4 years, 50.3 years
- Average length of service of contributing members: 7.2 years, 9.9 years, 8.0 years, 9.5 years, 6.2 years, 12.6 years, 14.0 years
## SUMMARY OF ACTUARIAL INFORMATION

### 1. Actuarial Accrued Liability

<table>
<thead>
<tr>
<th>City</th>
<th>Contributing Members</th>
<th>Noncontributing Members</th>
<th>Annuitants</th>
<th>Total Actuarial Accrued Liability</th>
<th>Actuarial value of Assets</th>
<th>Unfunded/(overfunded) actuarial accrued liability</th>
<th>Funded Ratio</th>
<th>Annual Payroll</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Deer</td>
<td>$105,620</td>
<td>$64,705</td>
<td>$295,208</td>
<td>$465,533</td>
<td>$331,368</td>
<td>$134,165</td>
<td>71.2%</td>
<td>$271,753</td>
</tr>
<tr>
<td>White Oak</td>
<td>$2,143,813</td>
<td>$701,251</td>
<td>$5,058,844</td>
<td>$8,885,946</td>
<td>$7,540,457</td>
<td>$1,345,489</td>
<td>84.9%</td>
<td>$1,815,142</td>
</tr>
<tr>
<td>White Settlement</td>
<td>$7,000,212</td>
<td>$4,119,264</td>
<td>$8,138,090</td>
<td>$19,257,566</td>
<td>$16,630,678</td>
<td>$2,626,888</td>
<td>86.4%</td>
<td>$5,013,479</td>
</tr>
<tr>
<td>Whiteface</td>
<td>$152,408</td>
<td>$172,083</td>
<td>$218,088</td>
<td>$542,579</td>
<td>$421,271</td>
<td>$121,304</td>
<td>77.6%</td>
<td>$120,462</td>
</tr>
<tr>
<td>Whitehouse</td>
<td>$1,866,835</td>
<td>$544,913</td>
<td>$584,523</td>
<td>$2,966,171</td>
<td>$569,864</td>
<td>$106,110</td>
<td>96.4%</td>
<td>$1,641,315</td>
</tr>
<tr>
<td>Whitesboro</td>
<td>$2,482,192</td>
<td>$4,456,440</td>
<td>$1,458,885</td>
<td>$4,477,777</td>
<td>$4,025,730</td>
<td>$452,047</td>
<td>89.9%</td>
<td>$1,659,596</td>
</tr>
<tr>
<td>Whitewright</td>
<td>$373,996</td>
<td>$8,464</td>
<td>$252,020</td>
<td>$811,961</td>
<td>$822,564</td>
<td>($10,603)</td>
<td>101.3%</td>
<td>$600,705</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>City</th>
<th>Retirement</th>
<th>Supplemental Death</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Deer</td>
<td>Normal Cost</td>
<td>$2.74%</td>
</tr>
<tr>
<td>White Oak</td>
<td>Prior Service</td>
<td>$3.04%</td>
</tr>
<tr>
<td>White Settlement</td>
<td>Total Retirement</td>
<td>$5.78%</td>
</tr>
<tr>
<td>Whiteface</td>
<td>Normal Cost</td>
<td>$2.74%</td>
</tr>
<tr>
<td>Whitehouse</td>
<td>Prior Service</td>
<td>$3.04%</td>
</tr>
<tr>
<td>Whitesboro</td>
<td>Total Retirement</td>
<td>$5.78%</td>
</tr>
<tr>
<td>Whitewright</td>
<td>Normal Cost</td>
<td>$2.74%</td>
</tr>
<tr>
<td>Total</td>
<td>Retirement</td>
<td>$5.78%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 25.9 years
- Number of annuitants: 5
- Number of active contributing members: 8
- Number of inactive members: 6
- Average age of contributing members: 44.0 years
- Average length of service of contributing members: 4.4 years

## SUMMARY OF ACTUARIAL INFORMATION

### 1. Actuarial Accrued Liability

<table>
<thead>
<tr>
<th>City</th>
<th>Contributing Members</th>
<th>Noncontributing Members</th>
<th>Annuitants</th>
<th>Total Actuarial Accrued Liability</th>
<th>Actuarial value of Assets</th>
<th>Unfunded/(overfunded) actuarial accrued liability</th>
<th>Funded Ratio</th>
<th>Annual Payroll</th>
</tr>
</thead>
<tbody>
<tr>
<td>Whitney</td>
<td>$209,658</td>
<td>$198,795</td>
<td>$231,058</td>
<td>$639,511</td>
<td>$555,439</td>
<td>$84,072</td>
<td>86.9%</td>
<td>$619,570</td>
</tr>
<tr>
<td>Wichita Falls</td>
<td>$84,000,262</td>
<td>$11,635,333</td>
<td>$105,525,056</td>
<td>$201,160,651</td>
<td>$164,206,444</td>
<td>$36,954,207</td>
<td>81.6%</td>
<td>$41,418,811</td>
</tr>
<tr>
<td>Willow Park</td>
<td>$2,075,274</td>
<td>$263,725</td>
<td>$976,852</td>
<td>$3,315,851</td>
<td>$2,813,567</td>
<td>$502,284</td>
<td>84.9%</td>
<td>$1,509,461</td>
</tr>
<tr>
<td>Wills Point</td>
<td>$426,400</td>
<td>$167,282</td>
<td>$27,341</td>
<td>$621,023</td>
<td>$409,822</td>
<td>$211,201</td>
<td>66.0%</td>
<td>$1,351,070</td>
</tr>
<tr>
<td>Wilmer</td>
<td>$1,795,461</td>
<td>$865,476</td>
<td>$629,094</td>
<td>$3,290,031</td>
<td>$2,569,885</td>
<td>$720,146</td>
<td>78.1%</td>
<td>$1,247,346</td>
</tr>
<tr>
<td>Wimberley</td>
<td>$844,623</td>
<td>$560,783</td>
<td>$668,639</td>
<td>$2,074,034</td>
<td>$2,242,609</td>
<td>($168,575)</td>
<td>N/A</td>
<td>$1,252,164</td>
</tr>
<tr>
<td>Total</td>
<td>$122,739</td>
<td>$9,038</td>
<td>$5,129</td>
<td>$122,739</td>
<td>$98,925</td>
<td>$23,814</td>
<td>80.6%</td>
<td>$291,988</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th>City</th>
<th>Retirement</th>
<th>Supplemental Death</th>
</tr>
</thead>
<tbody>
<tr>
<td>Whitney</td>
<td>Normal Cost</td>
<td>$2.16%</td>
</tr>
<tr>
<td>Wichita Falls</td>
<td>Prior Service</td>
<td>$0.14%</td>
</tr>
<tr>
<td>Total</td>
<td>Retirement</td>
<td>$2.30%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 25.2 years
- Number of annuitants: 7
- Number of active contributing members: 18
- Number of inactive members: 14
- Average age of contributing members: 44.5 years
- Average length of service of contributing members: 6.5 years
<table>
<thead>
<tr>
<th>Municipality</th>
<th>Windcrest</th>
<th>Winfield</th>
<th>Wink</th>
<th>Winnsboro</th>
<th>Winona</th>
<th>Winters</th>
<th>Wolfforth</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SUMMARY OF ACTUARIAL INFORMATION</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Actuarial Accrued Liability</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Contributing Members</td>
<td>$1,955,695</td>
<td>$31,085</td>
<td>$232,823</td>
<td>$1,438,056</td>
<td>$396,751</td>
<td>$879,806</td>
<td>$1,229,343</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>1,093,687</td>
<td>712</td>
<td>0</td>
<td>77,564</td>
<td>5,727</td>
<td>246,194</td>
<td>43,264</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>2,277,059</td>
<td>0</td>
<td>251,816</td>
<td>2,563,924</td>
<td>323,332</td>
<td>1,466,814</td>
<td>820,347</td>
</tr>
<tr>
<td>2. Total Actuarial Accrued Liability</td>
<td>$6,026,441</td>
<td>$31,797</td>
<td>$484,639</td>
<td>$4,082,562</td>
<td>$725,810</td>
<td>$2,092,816</td>
<td>$2,092,816</td>
</tr>
<tr>
<td>3. Actuarial value of assets</td>
<td>5,498,300</td>
<td>6,560</td>
<td>500,977</td>
<td>3,613,219</td>
<td>571,260</td>
<td>2,374,231</td>
<td>1,667,030</td>
</tr>
<tr>
<td>4. Underfunded (overfunded) actuarial accrued liability: (2) - (3)</td>
<td>($528,141)</td>
<td>($25,237)</td>
<td>($16,338)</td>
<td>$469,343</td>
<td>$154,550</td>
<td>$218,583</td>
<td>$425,786</td>
</tr>
<tr>
<td>5. Funded Ratio: (3) / (2)</td>
<td>91.2%</td>
<td>20.6%</td>
<td>103.4%</td>
<td>88.5%</td>
<td>78.7%</td>
<td>91.6%</td>
<td>79.7%</td>
</tr>
<tr>
<td>6. Annual Payroll</td>
<td>$2,155,237</td>
<td>$14,470</td>
<td>$219,979</td>
<td>$1,339,726</td>
<td>$313,292</td>
<td>$525,427</td>
<td>$999,904</td>
</tr>
</tbody>
</table>

**CITY CONTRIBUTION RATES FOR 2013**

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Total Retirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>5.41%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>1.51%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>6.92%</td>
</tr>
<tr>
<td>Supp. Death</td>
<td>0.19%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>7.11%</td>
</tr>
<tr>
<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
<td>N/A</td>
</tr>
<tr>
<td>Statutory Maximum Rate (Total Retirement Only)</td>
<td>10.50%</td>
</tr>
</tbody>
</table>

**ADDITIONAL INFORMATION**

| GASB 25 Equivalent Single Amortization Period as of 1/2013 | 25.9 years | 12.0 years | 24.8 years | 25.9 years |
| Number of annuitants | 28 | 0 | 3 | 24 |
| Number of active contributing members | 46 | 7 | 6 | 34 |
| Number of inactive members | 50 | 2 | 0 | 16 |
| Average age of contributing members | 43.1 years | 34.7 years | 51.0 years | 46.2 years |
| Average length of service of contributing members | 8.5 years | 4.7 years | 8.5 years | 7.9 years |

### Woodcrest

<table>
<thead>
<tr>
<th>Municipality</th>
<th>Woodcrest</th>
<th>Wodcale</th>
<th>Wodaway</th>
<th>Wothams</th>
<th>Wyll</th>
<th>Yeakim</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SUMMARY OF ACTUARIAL INFORMATION</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Actuarial Accrued Liability</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Contributing Members</td>
<td>$1,126,770</td>
<td>$44,365</td>
<td>$2,726,704</td>
<td>$9,711,724</td>
<td>$213,852</td>
<td>$25,708,676</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>50,677</td>
<td>80,706</td>
<td>306,912</td>
<td>2,306,249</td>
<td>83,878</td>
<td>4,271,010</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>0</td>
<td>290,451</td>
<td>1,395,438</td>
<td>7,391,904</td>
<td>1,94,070</td>
<td>2,345,431</td>
</tr>
<tr>
<td>2. Total Actuarial Accrued Liability</td>
<td>$61,944</td>
<td>$445,513</td>
<td>$4,429,054</td>
<td>$15,830,369</td>
<td>$297,730</td>
<td>$35,959,617</td>
</tr>
<tr>
<td>3. Actuarial value of assets</td>
<td>71,123</td>
<td>445,513</td>
<td>3,721,904</td>
<td>12,944,752</td>
<td>388,070</td>
<td>25,444,331</td>
</tr>
<tr>
<td>4. Underfunded (overfunded) actuarial accrued liability: (2) - (3)</td>
<td>($9,179)</td>
<td>($43,929)</td>
<td>$707,150</td>
<td>$2,885,617</td>
<td>($90,340)</td>
<td>$10,515,286</td>
</tr>
<tr>
<td>5. Funded Ratio: (3) / (2)</td>
<td>114.8%</td>
<td>109.9%</td>
<td>84.0%</td>
<td>130.3%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Annual Payroll</td>
<td>$80,354</td>
<td>$301,822</td>
<td>$1,228,841</td>
<td>$3,753,555</td>
<td>$296,413</td>
<td>$14,298,143</td>
</tr>
</tbody>
</table>

**CITY CONTRIBUTION RATES FOR 2013**

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Total Retirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>2.02%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>-0.72%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>1.30%</td>
</tr>
<tr>
<td>Supp. Death</td>
<td>0.30%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>1.69%</td>
</tr>
<tr>
<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
<td>N/A</td>
</tr>
<tr>
<td>Statutory Maximum Rate (Total Retirement Only)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**ADDITIONAL INFORMATION**

| GASB 25 Equivalent Single Amortization Period as of 1/2013 | 24.9 years | 24.8 years | 26.4 years | 25.0 years |
| Number of annuitants | 3 | 3 | 3 | 3 |
| Number of active contributing members | 8 | 3 | 9 | 3 |
| Number of inactive members | 3 | 3 | 9 | 3 |
| Average age of contributing members | 43.5 years | 41.7 years | 44.4 years | 40.5 years |
| Average length of service of contributing members | 5.5 years | 7.9 years | 9.7 years | 7.3 years |
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members: $337,351
   - b. Noncontributing Members: 40,539
   - c. Annuitants: 763,269

2. Total Actuarial Accrued Liability: $1,141,159

3. Actuarial value of assets: $1,241,229

4. Unfunded/(overfunded) actuarial accrued liability: $(100,070)

5. Funded Ratio: 108.8%

6. Annual Payroll: $423,664

### CITY CONTRIBUTION RATES FOR 2013

<table>
<thead>
<tr>
<th></th>
<th>Yorktown</th>
<th>Zavalla</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>2.68%</td>
<td>2.70%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>-1.49%</td>
<td>0.23%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>1.19%</td>
<td>2.93%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.41%</td>
<td>0.00%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>1.60%</td>
<td>2.93%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2013: 24.9 years
- Number of annuitants: 11
- Number of active contributing members: 13
- Number of inactive members: 17
- Average age of contributing members: 48.5 years
- Average length of service of contributing members: 10.3 years
<table>
<thead>
<tr>
<th></th>
<th>Crystal Beach</th>
<th>Homen No. 1</th>
<th>Nacogdoches Mem Hosp</th>
<th>Roy H. Laird Mem Hospital</th>
<th>Santa Anna</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SUMMARY OF ACTUARIAL INFORMATION</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Actuarial Accrued Liability</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Contributing Members</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>$65</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>80,530</td>
<td>21,772</td>
<td>32,209</td>
<td>4,069,698</td>
<td>534</td>
</tr>
<tr>
<td>2. Total Actuarial Accrued Liability</td>
<td>$81,095</td>
<td>$33,772</td>
<td>$34,209</td>
<td>$4,069,698</td>
<td>$534</td>
</tr>
<tr>
<td>3. Actuarial value of assets</td>
<td>316,606</td>
<td>51,563</td>
<td>1,465,585</td>
<td>9,955,377</td>
<td>383,575</td>
</tr>
<tr>
<td>4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</td>
<td>($235,511)</td>
<td>($29,791)</td>
<td>($1,431,376)</td>
<td>$913,470</td>
<td>($330,041)</td>
</tr>
<tr>
<td>5. Funded Ratio: (3) / (2)</td>
<td>390.4%</td>
<td>236.8%</td>
<td>428.4%</td>
<td>91.6%</td>
<td>71830.5%</td>
</tr>
<tr>
<td>6. Annual Payroll</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td><strong>CITY CONTRIBUTION AMOUNT FOR 2013</strong></td>
<td>$ -</td>
<td>$ -</td>
<td>$ -</td>
<td>$ 93,463</td>
<td>$ -</td>
</tr>
<tr>
<td>Amortization Period</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>16 Years</td>
<td>N/A</td>
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<tr>
<td><strong>ADDITIONAL INFORMATION</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of annuitants</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>48</td>
<td>1</td>
</tr>
<tr>
<td>Number of inactive members</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>56</td>
<td>0</td>
</tr>
</tbody>
</table>