May 15, 2014

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, 2013.

Except for healthy annuitant mortality rates and the mortality assumption used to develop the Annuity Purchase Rates (APRs), 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. Healthy post-retirement mortality rates and the APRs used to annuitize members’ account balances at retirement were updated based on the Mortality Experience Investigation Study dated December 31, 2013 and were first used in the December 31, 2013 actuarial valuation. In addition, in conjunction with these changes, the Board adopted a change in the actuarial cost method from Projected Unit Credit to Entry Age Normal and a one-time change to the amortization policy. The assumptions and methods used in this valuation are summarized in the Actuarial Section of the Comprehensive Annual Financial Report (CAFR).

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 prepared all of the supporting schedules in the Actuarial Section, the Required Supplementary Information in the Financial Section, including the Schedule of Funding Progress, the Schedule of Employer Contributions and the Notes to Trend Data, as well as the applicable notes to these schedules 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
Actuary’s Certification Letter

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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.

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 April 1, 2014 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, 2013 actuarial valuation will be applicable for the calendar year beginning January 1, 2015 and ending December 31, 2015.

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 April 1, 2014.

The TMRS staff supplied all of the data for retired, active and inactive members as of December 31, 2013. 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, 2013. 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

Mark R. Randall, MAAA, FCA, EA
Joseph P. Newton, MAAA, FSA, EA

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Summary of Actuarial Assumptions (Pension Trust Fund)

Except for healthy annuitant mortality rates and the mortality assumption used to develop the Annuity Purchase Rates (APRs), 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. Healthy post-retirement mortality rates and the APRs used to annuitize members’ account balances at retirement were updated based on the Mortality Experience Investigation Study covering 2009 through 2011 and dated December 31, 2013. These assumptions were first used in the December 31, 2013 actuarial valuation. In conjunction with these changes, the System adopted the Entry Age Normal (EAN) actuarial cost method and a one-time change to the amortization policy.

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.

<table>
<thead>
<tr>
<th>Age</th>
<th>Rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>5.25</td>
</tr>
<tr>
<td>25</td>
<td>5.25</td>
</tr>
<tr>
<td>30</td>
<td>5.25</td>
</tr>
<tr>
<td>35</td>
<td>5.00</td>
</tr>
<tr>
<td>40</td>
<td>4.50</td>
</tr>
<tr>
<td>45</td>
<td>4.50</td>
</tr>
<tr>
<td>50</td>
<td>4.00</td>
</tr>
<tr>
<td>55</td>
<td>4.00</td>
</tr>
<tr>
<td>60</td>
<td>3.75</td>
</tr>
<tr>
<td>65 &amp; over</td>
<td>3.50</td>
</tr>
</tbody>
</table>

These age-related rates are assumed for plan participants with more than 10 years of service.
Summary of Actuarial Assumptions (Pension Trust Fund)

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>Males</th>
<th>Years of Service</th>
<th>Age</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></td>
<td></td>
<td>20</td>
<td>0.3298</td>
<td>0.2707</td>
<td>0.2229</td>
<td>0.1876</td>
<td>0.1620</td>
<td>0.1426</td>
<td>0.1249</td>
<td>0.1094</td>
<td>0.0979</td>
<td>0.0867</td>
</tr>
<tr>
<td></td>
<td></td>
<td>25</td>
<td>0.3123</td>
<td>0.2485</td>
<td>0.2020</td>
<td>0.1701</td>
<td>0.1479</td>
<td>0.1308</td>
<td>0.1152</td>
<td>0.1013</td>
<td>0.0906</td>
<td>0.0810</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30</td>
<td>0.2930</td>
<td>0.2235</td>
<td>0.1775</td>
<td>0.1490</td>
<td>0.1305</td>
<td>0.1163</td>
<td>0.1033</td>
<td>0.0914</td>
<td>0.0818</td>
<td>0.0744</td>
</tr>
<tr>
<td></td>
<td></td>
<td>35</td>
<td>0.2778</td>
<td>0.2089</td>
<td>0.1632</td>
<td>0.1356</td>
<td>0.1186</td>
<td>0.1059</td>
<td>0.0946</td>
<td>0.0842</td>
<td>0.0757</td>
<td>0.0696</td>
</tr>
<tr>
<td></td>
<td></td>
<td>40</td>
<td>0.2641</td>
<td>0.1987</td>
<td>0.1538</td>
<td>0.1264</td>
<td>0.1099</td>
<td>0.0980</td>
<td>0.0880</td>
<td>0.0789</td>
<td>0.0713</td>
<td>0.0661</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45</td>
<td>0.2506</td>
<td>0.1900</td>
<td>0.1470</td>
<td>0.1199</td>
<td>0.1035</td>
<td>0.0922</td>
<td>0.0832</td>
<td>0.0752</td>
<td>0.0685</td>
<td>0.0635</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50</td>
<td>0.2364</td>
<td>0.1811</td>
<td>0.1410</td>
<td>0.1149</td>
<td>0.0987</td>
<td>0.0880</td>
<td>0.0799</td>
<td>0.0730</td>
<td>0.0669</td>
<td>0.0616</td>
</tr>
<tr>
<td></td>
<td></td>
<td>55</td>
<td>0.2215</td>
<td>0.1718</td>
<td>0.1356</td>
<td>0.1110</td>
<td>0.0950</td>
<td>0.0854</td>
<td>0.0781</td>
<td>0.0720</td>
<td>0.0662</td>
<td>0.0601</td>
</tr>
<tr>
<td></td>
<td></td>
<td>60</td>
<td>0.2057</td>
<td>0.1623</td>
<td>0.1307</td>
<td>0.1082</td>
<td>0.0926</td>
<td>0.0844</td>
<td>0.0777</td>
<td>0.0723</td>
<td>0.0666</td>
<td>0.0591</td>
</tr>
<tr>
<td></td>
<td></td>
<td>65</td>
<td>0.1899</td>
<td>0.1530</td>
<td>0.1262</td>
<td>0.1058</td>
<td>0.0905</td>
<td>0.0839</td>
<td>0.0778</td>
<td>0.0731</td>
<td>0.0674</td>
<td>0.0584</td>
</tr>
<tr>
<td></td>
<td></td>
<td>70</td>
<td>0.1725</td>
<td>0.1427</td>
<td>0.1211</td>
<td>0.1031</td>
<td>0.0881</td>
<td>0.0832</td>
<td>0.0778</td>
<td>0.0739</td>
<td>0.0681</td>
<td>0.0575</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**

For calculating the actuarial liability and the retirement contribution rates, the Gender-distinct RP2000 Combined Healthy Mortality Tables with Blue Collar Adjustment are used with male rates multiplied by 109% and female rates multiplied by 103%. The rates are projected on a fully generational basis by Scale BB to account for future mortality improvements.

<table>
<thead>
<tr>
<th>Attained Age in 2013</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>0.001437</td>
<td>0.000870</td>
</tr>
<tr>
<td>45</td>
<td>0.001880</td>
<td>0.001374</td>
</tr>
<tr>
<td>50</td>
<td>0.002528</td>
<td>0.001944</td>
</tr>
<tr>
<td>55</td>
<td>0.004398</td>
<td>0.002697</td>
</tr>
<tr>
<td>60</td>
<td>0.008228</td>
<td>0.004473</td>
</tr>
<tr>
<td>65</td>
<td>0.014477</td>
<td>0.009154</td>
</tr>
<tr>
<td>70</td>
<td>0.023964</td>
<td>0.016405</td>
</tr>
<tr>
<td>75</td>
<td>0.038627</td>
<td>0.027194</td>
</tr>
<tr>
<td>80</td>
<td>0.063179</td>
<td>0.043098</td>
</tr>
<tr>
<td>85</td>
<td>0.103059</td>
<td>0.073161</td>
</tr>
</tbody>
</table>
D. Disabled Annuitant Mortality Rates

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>
</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>

Mortality Improvement: To account for future mortality improvement, the rates were chosen so that the assumed mortality rates are smaller than the rates observed in the most recent experience study. The ratio of the actual number of deaths occurring during this period to the expected number based on the selected assumptions was 98% for disabled male annuitants, 171% for disabled female annuitants, and 108% on a combined basis.

E. Annuity Purchase Rates — For determining the amount of the monthly benefit at the time of retirement for both healthy and disabled annuitants, the annuity purchase rates (APRs) for 2014 are based on the UP-1984 Table with an age setback of two years for retirees and eight years for beneficiaries. Beginning in 2027 the APRs will be based on a unisex blend of the RP-2000 Combined Healthy Mortality Tables with Blue Collar Adjustment for males and females with both male and female rates multiplied by 107.5% and projected on a fully generational basis with Scale BB. For members, a unisex blend of 70% of the males table and 30% of the female table is used, while 30% of the male table and 70% of the female table is used for beneficiaries. From 2015 through 2026, the fully generational APRs will be phased in.
F. **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>
<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>

Mortality Improvement: While future mortality improvement is not assumed, the rates were chosen so that the assumed mortality rates are larger than the rates observed in the most recent experience study to build in margin for adverse experience.

G. **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>0.003842</td>
<td>0.002990</td>
</tr>
</tbody>
</table>
H. **Service Retirement Rates** (applied to both active and inactive members)

The base table rates vary by gender, entry age group, and age. For retirees under the age of 62, the rates for active members are 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></th>
<th></th>
<th>Females</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>Ages 32 and under</td>
<td>Ages 33-47</td>
<td>Ages 48 and over</td>
<td>Ages 32 and under</td>
<td>Ages 33-47</td>
<td>Ages 48 and over</td>
</tr>
<tr>
<td>------</td>
<td>-------------------</td>
<td>-------------</td>
<td>-----------------</td>
<td>-------------------</td>
<td>-------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>40-44</td>
<td>0.06</td>
<td>-</td>
<td>-</td>
<td>0.06</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>45-49</td>
<td>0.06</td>
<td>-</td>
<td>-</td>
<td>0.06</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>50-52</td>
<td>0.08</td>
<td>-</td>
<td>-</td>
<td>0.08</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>53</td>
<td>0.08</td>
<td>0.10</td>
<td>-</td>
<td>0.08</td>
<td>0.10</td>
<td>-</td>
</tr>
<tr>
<td>54</td>
<td>0.08</td>
<td>0.10</td>
<td>-</td>
<td>0.11</td>
<td>0.10</td>
<td>-</td>
</tr>
<tr>
<td>55-59</td>
<td>0.14</td>
<td>0.10</td>
<td>-</td>
<td>0.11</td>
<td>0.10</td>
<td>-</td>
</tr>
<tr>
<td>60</td>
<td>0.20</td>
<td>0.15</td>
<td>0.10</td>
<td>0.14</td>
<td>0.15</td>
<td>0.10</td>
</tr>
<tr>
<td>61</td>
<td>0.25</td>
<td>0.30</td>
<td>0.20</td>
<td>0.28</td>
<td>0.26</td>
<td>0.20</td>
</tr>
<tr>
<td>62</td>
<td>0.32</td>
<td>0.25</td>
<td>0.12</td>
<td>0.28</td>
<td>0.17</td>
<td>0.12</td>
</tr>
<tr>
<td>63</td>
<td>0.32</td>
<td>0.23</td>
<td>0.12</td>
<td>0.28</td>
<td>0.17</td>
<td>0.12</td>
</tr>
<tr>
<td>64</td>
<td>0.32</td>
<td>0.35</td>
<td>0.20</td>
<td>0.28</td>
<td>0.22</td>
<td>0.20</td>
</tr>
<tr>
<td>65</td>
<td>0.32</td>
<td>0.32</td>
<td>0.20</td>
<td>0.28</td>
<td>0.27</td>
<td>0.20</td>
</tr>
<tr>
<td>66-69</td>
<td>0.22</td>
<td>0.22</td>
<td>0.17</td>
<td>0.22</td>
<td>0.22</td>
<td>0.17</td>
</tr>
<tr>
<td>70-74</td>
<td>0.20</td>
<td>0.22</td>
<td>0.25</td>
<td>0.22</td>
<td>0.22</td>
<td>0.25</td>
</tr>
<tr>
<td>75 and over</td>
<td>1.00</td>
<td>1.00</td>
<td>1.00</td>
<td>1.00</td>
<td>1.00</td>
<td>1.00</td>
</tr>
</tbody>
</table>

Note: For cities without a 20-year/any age retirement provision, the active employee 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>5%</th>
<th>6%</th>
<th>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 — 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 asset value.

B. Actuarial Cost Method — The actuarial cost method being used is known as the Entry Age Normal actuarial cost method. The Entry Age Normal 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 rate for an employee is the contribution rate which, if applied to a member’s compensation throughout their period of anticipated covered service with the municipality, would be sufficient to meet all benefits payable on their behalf. The normal cost is calculated using an entry age based on benefit service with the current city. If a member has additional time-only vesting service through service with other TMRS cities or other public agencies, they retain this for determination of benefit eligibility and decrement rates. The salary-weighted average of these rates is the total normal cost rate. 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 outlined in C below.

C. Amortization Policy — For underfunded cities with twenty or more employees, the amortization as of the valuation date is a level percentage of payroll over a closed period using the process of “laddering.” Bases that existed prior to this valuation continue to be amortized on their original schedule. New experience losses are amortized over individual periods of either 25 or 30 years. New gains (including lump sum payments) are offset against and amortized over the same period as the current largest outstanding loss base for the specific city, which in turn decreases contribution rate volatility.

Once a city reaches an overfunded status, all prior non-ad hoc bases are erased and 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.

For the December 31, 2013 actuarial valuation, there was a one-time change in the amortization policy for underfunded cities implemented in conjunction with the changes to the assumptions and cost method to minimize rate volatility associated with these changes. An initial Annual Required Contribution (ARC) was developed using the methodology described above. For cities with a decrease in the rate compared to the rate calculated prior to changes, the amortization period for all non-ad hoc bases was shortened enough to keep the rates stable (if possible). Cities with an increase of more than 0.50% were allowed to extend the amortization periods for non-ad hoc bases up to 30 years to keep the full contribution rate from increasing. For cities with an
increase of 0.50% or less, the amortization periods for all non-ad hoc bases could be extended to 25 years to keep the rate from increasing. The amortization period calculated in the prior steps was then rounded up to the nearest integer to calculate the final full contribution rate.

D. 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 a 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 active members 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.

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 and adjusted for changes in population.

2. Individual salaries used to project benefits: Actual salaries from the past three fiscal years are used to determine the Updated Service Credit (USC) final average salary as of the valuation date. For future salaries, this three-year average is projected forward with two years of salary scale to create the salary for the year following the valuation. This is similar to a three-year exponential moving average. This value is then projected with normal salary scales.

3. Timing of benefit payments: Benefit payments are assumed to be made in the middle of the month. Although TMRS benefits are paid at the end of the month, eligibility for that payment is determined at the beginning of the month. A middle of month payment approximates the impact of the combination of eligibility determination and actual payment timing.

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
Summary of Actuarial Assumptions (Pension Trust Fund)

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(H).

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: Decrements of all types are assumed to occur mid-year.

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

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

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

15. Benefit service: All members are assumed to accrue 1 year of eligibility service each year.

16. The decrement rates for service related decrements are based on total TMRS eligibility service.

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.

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. **Entry Age Normal actuarial cost method** — The Entry Age Normal 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 rate for an employee is the contribution rate which, if applied to a member’s compensation throughout their period of anticipated covered service, would be sufficient to meet all benefits payable on their behalf. The salary-weighted average of these rates is the total normal cost rate. The actuarial accrued liability is based on the portion of benefits attributable to service credited prior to the valuation date. Actuarial gains (losses), as they occur, reduce (or increase) the unfunded actuarial accrued liability.

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

12. **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.

13. **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.

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

15. **Phase-in rate** — The minimum required contribution rate to TMRS, which reflects the portion of the full rate being phased in due to the changes in actuarial assumptions and methods.

16. **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 (AI) or cost-of-living adjustments (COLAs).

17. **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.

18. **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.

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

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

### Participating Employers & Active Members

<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>12/31/2008</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>47,958</td>
<td>1.8</td>
</tr>
<tr>
<td>12/31/2012</td>
<td>844</td>
<td>101,827</td>
<td>4,961,671,305</td>
<td>48,889</td>
<td>1.9</td>
</tr>
<tr>
<td>12/31/2013</td>
<td>844</td>
<td>102,870</td>
<td>5,142,446,602</td>
<td>50,244</td>
<td>2.8</td>
</tr>
</tbody>
</table>

As of December 31, 2013, there were five 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 850 total city plans, with 844 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.
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, 2013, there were 5,023 more retirement accounts than people who retired. In addition, this schedule excludes 634 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.

---

### Summary of Actuarial Liabilities & Funding Progress

(Amounts in Millions of Dollars)

<table>
<thead>
<tr>
<th>Annual Report Year</th>
<th>Actuarial Value of Assets</th>
<th>Actuarial Accrued Liability (AAL)</th>
<th>Funded Ratio (1) / (2)</th>
<th>Unfunded AAL (UAAL) (2) - (1)</th>
<th>Covered Payroll</th>
<th>UAAL as a Percentage of Covered Payroll (4) / (5)</th>
<th>City Contributions</th>
<th>Average City Rate (7) / (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>$15,149.7</td>
<td>$20,360.8</td>
<td>74.4 %</td>
<td>$5,211.1</td>
<td>$4,530.0</td>
<td>115.0 %</td>
<td>$567.2</td>
<td>12.5 %</td>
</tr>
<tr>
<td>2009</td>
<td>16,305.7</td>
<td>21,525.1</td>
<td>75.8</td>
<td>5,219.4</td>
<td>4,769.0</td>
<td>109.4</td>
<td>641.7</td>
<td>13.5</td>
</tr>
<tr>
<td>2010*</td>
<td>16,986.0</td>
<td>20,481.5</td>
<td>82.9</td>
<td>3,495.5</td>
<td>4,797.9</td>
<td>72.9</td>
<td>679.3</td>
<td>14.2</td>
</tr>
<tr>
<td>2011</td>
<td>18,347.0</td>
<td>21,563.3</td>
<td>85.1</td>
<td>3,216.4</td>
<td>4,853.3</td>
<td>66.3</td>
<td>703.8</td>
<td>14.5</td>
</tr>
<tr>
<td>2012</td>
<td>19,784.8</td>
<td>22,683.8</td>
<td>87.2</td>
<td>2,899.0</td>
<td>4,961.7</td>
<td>58.4</td>
<td>664.4</td>
<td>13.4</td>
</tr>
<tr>
<td>2013**</td>
<td>21,293.6</td>
<td>25,320.7</td>
<td>84.1</td>
<td>4,027.1</td>
<td>5,142.4</td>
<td>78.3</td>
<td>680.8</td>
<td>13.2</td>
</tr>
</tbody>
</table>

* 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.

** The healthy annuitant mortality assumption and Annuity Purchase Rates were modified with the December 31, 2013 valuation, along with a change in the actuarial cost method from Projected Unit Credit to Entry Age Normal.
Each city participating in TMRS is financially responsible for its own plan. Therefore, the aggregate numbers shown on the previous chart reflect only the aggregate condition of TMRS and do not indicate the status of any one plan.

Columns (1) and (2) on the previous chart also include the assets and liabilities of the Supplemental Disability Benefits Fund, and for 2008 through 2009 also include the assets and liabilities of the former Current Service Annuity Reserve Fund.

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.
Distribution of Cities by Total 2015 Contribution Rate

2015 City Total Calculated Retirement Contribution Rate Based on the Plan of Benefits in Effect on April 1, 2014

<table>
<thead>
<tr>
<th>Number of Contributing Members as of 12/31/2013</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>49</td>
<td>16</td>
<td>20</td>
<td>9</td>
<td>4</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>99</td>
</tr>
<tr>
<td>6 - 10</td>
<td>47</td>
<td>20</td>
<td>20</td>
<td>5</td>
<td>4</td>
<td>6</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>105</td>
</tr>
<tr>
<td>11 - 20</td>
<td>47</td>
<td>38</td>
<td>23</td>
<td>12</td>
<td>12</td>
<td>5</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>143</td>
</tr>
<tr>
<td>21 - 40</td>
<td>24</td>
<td>26</td>
<td>26</td>
<td>25</td>
<td>20</td>
<td>11</td>
<td>9</td>
<td>2</td>
<td>3</td>
<td>146</td>
</tr>
<tr>
<td>41 - 70</td>
<td>6</td>
<td>12</td>
<td>10</td>
<td>11</td>
<td>18</td>
<td>20</td>
<td>14</td>
<td>3</td>
<td>-</td>
<td>94</td>
</tr>
<tr>
<td>71 - 100</td>
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<td>3</td>
<td>6</td>
<td>11</td>
<td>8</td>
<td>8</td>
<td>13</td>
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<td>-</td>
<td>52</td>
</tr>
<tr>
<td>101 - 150</td>
<td>2</td>
<td>5</td>
<td>6</td>
<td>5</td>
<td>21</td>
<td>16</td>
<td>6</td>
<td>5</td>
<td>3</td>
<td>69</td>
</tr>
<tr>
<td>151 - 250</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>4</td>
<td>6</td>
<td>12</td>
<td>13</td>
<td>3</td>
<td>-</td>
<td>46</td>
</tr>
<tr>
<td>251 - 750</td>
<td>-</td>
<td>2</td>
<td>4</td>
<td>9</td>
<td>7</td>
<td>19</td>
<td>14</td>
<td>6</td>
<td>1</td>
<td>62</td>
</tr>
<tr>
<td>Over 750</td>
<td>-</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>6</td>
<td>5</td>
<td>6</td>
<td>4</td>
<td>1</td>
<td>28</td>
</tr>
<tr>
<td>TOTAL</td>
<td>178</td>
<td>125</td>
<td>122</td>
<td>94</td>
<td>106</td>
<td>102</td>
<td>80</td>
<td>26</td>
<td>11</td>
<td>844</td>
</tr>
</tbody>
</table>

Comparison of the Rate Calculated in the Valuation to the Rate for the Same Plan of Benefits Based on the Valuation for the Previous Year

<table>
<thead>
<tr>
<th>Valuation Date</th>
<th>Decrease of 0.50% or More</th>
<th>Decrease or Increase of Less than 0.50%</th>
<th>Increase of 0.50% or More</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/31/2008</td>
<td>125</td>
<td>338</td>
<td>360</td>
<td>823</td>
</tr>
<tr>
<td>12/31/2009</td>
<td>90</td>
<td>570</td>
<td>169</td>
<td>829</td>
</tr>
<tr>
<td>12/31/2010</td>
<td>746</td>
<td>72</td>
<td>14</td>
<td>832</td>
</tr>
<tr>
<td>12/31/2011</td>
<td>118</td>
<td>586</td>
<td>133</td>
<td>837</td>
</tr>
<tr>
<td>12/31/2012</td>
<td>140</td>
<td>587</td>
<td>115</td>
<td>842</td>
</tr>
<tr>
<td>12/31/2013</td>
<td>197</td>
<td>382</td>
<td>263</td>
<td>842</td>
</tr>
</tbody>
</table>

Note: The counts above reflect only active cities that were included in the prior year’s valuation. Two cities that were active as of the December 31, 2012 valuation are now inactive and therefore were not included in the table above.

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 2006-2009 study of actuarial experience, new actuarial assumptions were adopted by the Board of Trustees in 2011 and first used in the December 31, 2010 actuarial valuation.

As a result of a Mortality Experience Investigation Study covering 2009 through 2011 and dated December 31, 2013, healthy post-retirement mortality rates were updated and first used in the December 31, 2013 actuarial valuation.

### Analysis of Financial Experience (Pension Trust Fund)

<table>
<thead>
<tr>
<th>Changes in the Unfunded Actuarial Accrued Liability (Amounts in Millions)</th>
<th>2013</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interest</td>
<td>$ 205.4</td>
<td>$ 226.0</td>
</tr>
<tr>
<td>Amortization payments</td>
<td>(203.6)</td>
<td>(208.7)</td>
</tr>
<tr>
<td>Asset experience</td>
<td>(130.3)</td>
<td>(78.4)</td>
</tr>
<tr>
<td>Assumption and method changes</td>
<td>1,427.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Liability experience</td>
<td>(207.8)</td>
<td>(275.8)</td>
</tr>
<tr>
<td>Benefit modifications</td>
<td>35.2</td>
<td>12.1</td>
</tr>
<tr>
<td>Contributions different than actuarially calculated</td>
<td>2.3</td>
<td>7.4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$ 1,128.2</strong></td>
<td><strong>$ (317.4)</strong></td>
</tr>
</tbody>
</table>
May 15, 2014

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. Except for healthy annuitant mortality rates, the actuarial assumptions 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. Healthy post-retirement mortality rates were updated based on the Mortality Experience Investigation study covering 2009 through 2011 and dated December 31, 2013 and first used in the December 31, 2013 actuarial valuation. In addition, in conjunction with these changes, the Board adopted a change in the actuarial cost method from Projected Unit Credit to Entry Age Normal. The assumptions and methods used in this valuation are summarized in the Actuarial Section of the Comprehensive Annual Financial Report (CAFR).

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 prepared all of the supporting schedules in the Actuarial Section, the Required Supplementary Information in the Financial Section including the Schedule of Funding Progress, the Schedule of Employer Contributions and the Notes to Trend Data, as well as the applicable notes to these schedules 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 Entry Age Normal 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 April 1, 2014 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, 2013 actuarial valuation will be applicable for the calendar year beginning January 1, 2015 and ending December 31, 2015.

The TMRS staff supplied all of the member data and annuitant data for active and retired members as of December 31, 2013. 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, 2013. 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
Except for the healthy annuitant mortality rates, 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. Healthy post-retirement mortality rates were updated based on the Mortality Experience Investigation Study covering 2009 through 2011 and dated December 31, 2013. These assumptions were first used in the December 31, 2013 actuarial valuation. In conjunction with this change the System adopted the Entry Age Normal (EAN) actuarial cost method.

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.

D. **Individual Salary Increases** — Salary increases are assumed to occur once a year, on January 1.

<table>
<thead>
<tr>
<th>Age</th>
<th>Rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>5.25</td>
</tr>
<tr>
<td>25</td>
<td>5.25</td>
</tr>
<tr>
<td>30</td>
<td>5.25</td>
</tr>
<tr>
<td>35</td>
<td>5.00</td>
</tr>
<tr>
<td>40</td>
<td>4.50</td>
</tr>
<tr>
<td>45</td>
<td>4.50</td>
</tr>
<tr>
<td>50</td>
<td>4.00</td>
</tr>
<tr>
<td>55</td>
<td>4.00</td>
</tr>
<tr>
<td>60</td>
<td>3.75</td>
</tr>
<tr>
<td>65 &amp; over</td>
<td>3.50</td>
</tr>
</tbody>
</table>

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>
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>Years of Service</th>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>20</td>
<td>0.3298</td>
<td>0.2707</td>
</tr>
<tr>
<td>25</td>
<td>0.3123</td>
<td>0.2485</td>
</tr>
<tr>
<td>30</td>
<td>0.2930</td>
<td>0.2235</td>
</tr>
<tr>
<td>35</td>
<td>0.2778</td>
<td>0.2089</td>
</tr>
<tr>
<td>40</td>
<td>0.2641</td>
<td>0.1987</td>
</tr>
<tr>
<td>45</td>
<td>0.2506</td>
<td>0.1900</td>
</tr>
<tr>
<td>50</td>
<td>0.2364</td>
<td>0.1811</td>
</tr>
<tr>
<td>55</td>
<td>0.2215</td>
<td>0.1718</td>
</tr>
<tr>
<td>60</td>
<td>0.2057</td>
<td>0.1623</td>
</tr>
<tr>
<td>65</td>
<td>0.1899</td>
<td>0.1530</td>
</tr>
<tr>
<td>70</td>
<td>0.1725</td>
<td>0.1427</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Females</th>
<th>Years of Service</th>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>20</td>
<td>0.3289</td>
<td>0.2849</td>
</tr>
<tr>
<td>25</td>
<td>0.3079</td>
<td>0.2623</td>
</tr>
<tr>
<td>30</td>
<td>0.2837</td>
<td>0.2343</td>
</tr>
<tr>
<td>35</td>
<td>0.2664</td>
<td>0.2138</td>
</tr>
<tr>
<td>40</td>
<td>0.2532</td>
<td>0.1977</td>
</tr>
<tr>
<td>45</td>
<td>0.2427</td>
<td>0.1856</td>
</tr>
<tr>
<td>50</td>
<td>0.2337</td>
<td>0.1765</td>
</tr>
<tr>
<td>55</td>
<td>0.2250</td>
<td>0.1699</td>
</tr>
<tr>
<td>60</td>
<td>0.2166</td>
<td>0.1659</td>
</tr>
<tr>
<td>65</td>
<td>0.2082</td>
<td>0.1629</td>
</tr>
<tr>
<td>70</td>
<td>0.1990</td>
<td>0.1593</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**

For calculating the actuarial liability and the supplemental death contribution rates, the gender-distinct RP2000 Combined Healthy Mortality Tables with Blue Collar Adjustment are used with male rates multiplied by 109% and female rates multiplied by 103%. The rates are projected on a fully generational basis by Scale BB to account for future mortality improvements.

<table>
<thead>
<tr>
<th>Attained Age in 2013</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>0.001437</td>
<td>0.000870</td>
</tr>
<tr>
<td>45</td>
<td>0.001880</td>
<td>0.001374</td>
</tr>
<tr>
<td>50</td>
<td>0.002528</td>
<td>0.001944</td>
</tr>
<tr>
<td>55</td>
<td>0.004398</td>
<td>0.002697</td>
</tr>
<tr>
<td>60</td>
<td>0.008228</td>
<td>0.004473</td>
</tr>
<tr>
<td>65</td>
<td>0.014477</td>
<td>0.009154</td>
</tr>
<tr>
<td>70</td>
<td>0.023964</td>
<td>0.016405</td>
</tr>
<tr>
<td>75</td>
<td>0.038627</td>
<td>0.027194</td>
</tr>
<tr>
<td>80</td>
<td>0.063179</td>
<td>0.043098</td>
</tr>
<tr>
<td>85</td>
<td>0.103059</td>
<td>0.073161</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>

Mortality Improvement: To account for future mortality improvement, the rates were chosen so that the assumed mortality rates are smaller than the rates observed in the most recent experience study. The ratio of the actual number of deaths occurring during this period to the expected number based on the selected assumptions was 98% for disabled male annuitants, 171% for disabled female annuitants, and 108% on a combined basis.
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>

Mortality Improvement: While future mortality improvement is not assumed, the rates were chosen so that the assumed mortality rates are larger than the rates observed in the most recent experience study to build in margin for adverse experience.

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>
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<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>
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<tr>
<td>55</td>
<td>0.003061</td>
<td>0.002178</td>
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<tr>
<td>60</td>
<td>0.003842</td>
<td>0.002990</td>
</tr>
<tr>
<td>65</td>
<td>0.003842</td>
<td>0.002990</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. For retirees under the age of 62, the rates for active members are 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 Ages 48 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 active employee 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>6%</th>
<th>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 Entry Age Normal actuarial cost method. The Entry Age Normal 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 rate for an employee is the contribution rate which, if applied to a member’s compensation throughout their period of anticipated covered service with the municipality, would be sufficient to meet all benefits payable on their behalf. The normal cost is calculated using an entry age based on benefit service with the current city. If a member has additional time-only vesting service through service with other TMRS cities or other public agencies, they retain this for determination of benefit eligibility and decrement rates. 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 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: Decrements 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.

8. The decrement rates for service related decrements are based on total TMRS eligibility service.
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 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.

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

6. **Entry Age Normal actuarial cost method** — The Entry Age Normal 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 rate for an employee is the contribution rate which, if applied to a member’s compensation throughout their period of anticipated covered service, would be sufficient to meet all benefits payable on their behalf. The salary-weighted average of these rates is the total normal cost rate. The actuarial accrued liability is based on the portion of benefits attributable to service credited prior to the valuation date. Actuarial gains (losses), as they occur, reduce (or increase) the unfunded actuarial accrued liability.

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

8. **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.

9. **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.

10. **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.

11. **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.

12. **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)**

<table>
<thead>
<tr>
<th>Annual Report Year</th>
<th>Actuarial Value of Assets (Amounts in Millions of Dollars)</th>
<th>Actuarial Accrued Liability (AAL) (2)</th>
<th>Funded Ratio (3)</th>
<th>Unfunded AAL (UAAL) (4)</th>
<th>Covered Payroll (5)</th>
<th>UAAL as a Percentage of Covered Payroll (6)</th>
</tr>
</thead>
<tbody>
<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>
<tr>
<td>2012</td>
<td>25.7</td>
<td>147.9</td>
<td>17.4</td>
<td>122.2</td>
<td>3,233.4</td>
<td>3.8</td>
</tr>
<tr>
<td>2013</td>
<td>23.9</td>
<td>130.0</td>
<td>18.4</td>
<td>106.1</td>
<td>3,363.3</td>
<td>3.2</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.
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members
     - Abilene: $675,114
     - Albany: $4,604,354
     - Alvarado: $7,495,222
     - Alton: $306,391
   - Noncontributing Members
     - Abilene: $281,619
     - Albany: $2,846,393
     - Alvarado: $3,816
   - Annuitants
     - Abilene: $281,619
     - Albany: $10,343,247
     - Alvarado: $36,267

2. **Total Actuarial Accrued Liability**
   - Abilene: $1,020,739
   - Albany: $257,074,499
   - Alvarado: $20,684,862
   - Alton: $199,691

3. **Actuarial value of assets**
   - Abilene: $926,620
   - Albany: $233,526,673
   - Alvarado: $14,271,829

4. **Unfunded/(overfunded) actuarial accrued liability**
   - Abilene: $94,119
   - Albany: $23,547,826
   - Alvarado: $6,413,033

5. **Funded Ratio**
   - Abilene: 90.8%
   - Albany: 96.7%
   - Alvarado: 77.5%

6. **Annual Payroll**
   - Abilene: $682,298
   - Albany: $43,357,774
   - Alvarado: $536,187

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 2.93%
- Prior Service: 0.78%
- Total: 3.71%

**Supplemental Death**
- Normal Cost: 0.27%
- Prior Service: 0.21%
- Total: 0.27%

**Total Rate**
- Abilene: 3.98%
- Albany: 10.63%
- Alvarado: 4.52%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**
  - Abilene: 30 years
  - Albany: 24 years
  - Alvarado: 30 years

- **Number of annuitants**
  - Abilene: 5
  - Albany: 710
  - Alvarado: 4

- **Number of active contributing members**
  - Abilene: 24
  - Albany: 1,002
  - Alvarado: 14

- **Average age of contributing members**
  - Abilene: 43.0 years
  - Albany: 43.5 years
  - Alvarado: 39.5 years

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members
     - Aledo: $397,331
     - Alice: $20,548,631
     - Allen: $92,156,866
     - Alpine: $2,830,257
     - Alton: $2,258,814
     - Alvarado: $1,426,572
   - Noncontributing Members
     - Aledo: 60,563
     - Alice: 2,719,014
     - Allen: 14,727,486
     - Alpine: 304,365
     - Alton: 236,149
     - Alvarado: 727,818
   - Annuitants
     - Aledo: 104,636
     - Alice: 14,786,083
     - Allen: 30,795,173
     - Alpine: 2,259,085
     - Alton: 417,372
     - Alvarado: 217,309

2. **Total Actuarial Accrued Liability**
   - Aledo: $562,530
   - Alice: $38,053,728
   - Alvarado: $2,045,628

3. **Actuarial value of assets**
   - Aledo: $511,364
   - Alice: $31,611,473
   - Alvarado: $1,876,869

4. **Unfunded/(overfunded) actuarial accrued liability**
   - Aledo: $51,166
   - Alice: $6,442,255
   - Alvarado: $40,652

5. **Funded Ratio**
   - Aledo: 90.9%
   - Alice: 83.1%
   - Alvarado: 114.7%

6. **Annual Payroll**
   - Aledo: $609,480
   - Alice: $10,527,969
   - Alvarado: $2,083,605

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 6.24%
- Prior Service: 0.48%
- Total: 6.72%

**Supplemental Death**
- Normal Cost: 0.15%
- Prior Service: 0.00%
- Total: 0.15%

**Total Rate**
- Aledo: 6.87%
- Alice: 9.88%
- Alvarado: 4.52%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**
  - Aledo: 30 years
  - Alice: 24 years
  - Alvarado: 30 years

- **Number of annuitants**
  - Aledo: 4
  - Alice: 122
  - Alvarado: 9

- **Number of active contributing members**
  - Aledo: 15
  - Alice: 239
  - Alvarado: 4

- **Average age of contributing members**
  - Aledo: 39.5 years
  - Alice: 44.0 years
  - Alvarado: 38.9 years

- **Average length of service of contributing members**
  - Aledo: 10.6 years
  - Alice: 12.3 years
  - Alvarado: 5.2 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members
     - Alvin: $25,962,938
     - Abilene: $78,810
     - Amarillo: $195,054,504
     - Amherst: $7,812
     - Anahuac: $192,753
     - Andrews: $10,531,744
     - Angleton: $2,424,495
   - b. Noncontributing Members
     - Alvin: $8,153,403
     - Abilene: $157,498
     - Amarillo: $17,822,021
     - Amherst: $48,402
     - Anahuac: $400,887
     - Andrews: $2,463,560
     - Angleton: $1,221,931
   - c. Annuitants
     - Alvin: $17,188,688
     - Abilene: $34,003
     - Amarillo: $187,020,790
     - Amherst: $402,615
     - Anahuac: $400,887
     - Andrews: $760,555
     - Angleton: $17,329,156

2. **Total Actuarial Accrued Liability**
   - Alvin: $51,305,029
   - Abilene: $270,311
   - Amarillo: $399,937,315
   - Amherst: $458,829
   - Anahuac: $864,312
   - Andrews: $21,429,414
   - Angleton: $21,642,614

3. **Actuarial Value of Assets**
   - Alvin: $39,588,527
   - Abilene: $221,950
   - Amarillo: $346,724,766
   - Amherst: $315,622
   - Anahuac: $760,055
   - Andrews: $17,529,156
   - Angleton: $17,136,403

4. **Unfunded/(overfunded) Actuarial Accrued Liability: (2) - (3)**
   - Alvin: $11,716,502
   - Abilene: $48,361
   - Amarillo: $53,212,549
   - Amherst: $143,207
   - Anahuac: $104,257
   - Andrews: $3,900,258
   - Angleton: $4,506,211

5. **Funded Ratio: (3) / (2)**
   - Alvin: 77.2%
   - Abilene: 82.1%
   - Amarillo: 86.7%
   - Amherst: 68.8%
   - Anahuac: 87.9%
   - Andrews: 81.8%
   - Angleton: 79.2%

6. **Annual Payroll**
   - Alvin: $10,241,192
   - Abilene: $257,610
   - Amarillo: $77,658,038
   - Amherst: $130,607
   - Anahuac: $302,921
   - Andrews: $3,280,955
   - Angleton: $5,600,590

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 8.94% 4.82% 6.47% 3.87% 6.77% 8.25% 7.46%
- Prior Service: 8.03% 1.28% 4.79% 6.22% 1.95% 8.10% 4.95%
- Total Retirement: 16.97% 6.10% 11.26% 10.09% 8.72% 16.35% 12.41%
- Supplemental Death: 0.16% 0.18% 0.00% 0.00% 0.24% 0.00% 0.22%
- Total Rate: 17.13% 6.28% 11.26% 10.09% 8.96% 16.35% 12.63%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**
- 16.74% N/A N/A 9.63% 8.84% N/A N/A

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

**GASB 25 Equivalent Single Amortization Period as of 1/2015**
- Alvin: 21.0 years
- Abilene: 22.0 years
- Amarillo: 21.1 years
- Amherst: 30.0 years
- Anahuac: 30.0 years
- Andrews: 22.0 years
- Angleton: 26.0 years

**Number of Annuitants**
- Alvin: 94
- Abilene: 2
- Amarillo: 907
- Amherst: 5
- Anahuac: 3
- Andrews: 27
- Angleton: 46

**Number of Active Contributing Members**
- Alvin: 223
- Abilene: 7
- Amarillo: 1,764
- Amherst: 5
- Anahuac: 11
- Andrews: 59
- Angleton: 120

**Number of Inactive Members**
- Alvin: 140
- Abilene: 3
- Amarillo: 722
- Amherst: 4
- Anahuac: 11
- Andrews: 25
- Angleton: 34

**Average Age of Contributing Members**
- Alvin: 40.9 years
- Abilene: 44.8 years
- Amarillo: 43.6 years
- Amherst: 42.5 years
- Anahuac: 46.2 years
- Andrews: 39.9 years
- Angleton: 44.9 years

**Average Length of Service of Contributing Members**
- Alvin: 9.0 years
- Abilene: 5.7 years
- Amarillo: 9.4 years
- Amherst: 1.4 years
- Anahuac: 10.4 years
- Andrews: 10.4 years
- Angleton: 8.8 years

### ADDITIONAL INFORMATION

**City Contribution Rates for 2015**

**Retirement**
- Normal Cost: 11.36% 0.93% 1.21% 6.81% 3.06% 11.33% 8.62%
- Prior Service: 2.56% 0.41% 1.64% 5.04% 0.44% 3.79% 6.88%
- Total Retirement: 13.92% 1.34% 2.85% 11.85% 3.50% 15.12% 15.50%
- Supplemental Death: 0.12% 0.22% 0.13% 0.18% 0.22% 0.00% 0.12%
- Total Rate: 14.04% 1.56% 2.98% 12.03% 3.72% 15.12% 15.62%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**
- 12.06% N/A N/A 11.87% N/A N/A N/A

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

**GASB 25 Equivalent Single Amortization Period as of 1/2015**
- Alvin: 30.0 years
- Abilene: 7.0 years
- Amarillo: 25.0 years
- Amherst: 30.0 years
- Anahuac: 28.0 years
- Andrews: 28.0 years
- Angleton: 22.0 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - **Contributing Members**
     - $362,921
   - **Noncontributing Members**
     - $80,541
   - **Annuitants**
     - $87,212
2. **Total Actuarial Accrued Liability**
   - **Contributing Members**
     - $362,921
   - **Noncontributing Members**
     - $80,541
   - **Annuitants**
     - $87,212
3. **Actuarial value of assets**
   - **Contributing Members**
     - $362,921
   - **Noncontributing Members**
     - $80,541
   - **Annuitants**
     - $87,212
4. **Unfunded/(overfunded) actuarial accrued liability**
   - **Contributing Members**
     - ($7,008)
   - **Noncontributing Members**
     - ($140,181)
   - **Annuitants**
     - 0
5. **Funded Ratio**
   - **Contributing Members**
     - 101.3%
   - **Noncontributing Members**
     - 143.2%
   - **Annuitants**
     - 63.8%

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- **Normal Cost**
  - 2.18%
- **Prior Service**
  - 0.17%
- **Total Retirement**
  - 2.35%
- **Supplemental Death**
  - 0.22%
- **Total Rate**
  - 2.57%

**Supplemental Death**
- **Normal Cost**
  - 0.22%
- **Prior Service**
  - 0.17%
- **Total Rate**
  - 0.39%

**Phase-In**
- **Normal Cost**
  - 0.17%
- **Total Rate**
  - 0.34%

**Statutory Maximum**
- **Total Retirement Only**
  - 7.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**
  - 25.0 years
- **Number of annuitants**
  - 2
- **Number of active contributing members**
  - 9
- **Number of inactive members**
  - 5
- **Average age of contributing members**
  - 45.3 years
- **Average length of service of contributing members**
  - 10.2 years

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - **Contributing Members**
     - $89,069
   - **Noncontributing Members**
     - $90,711
   - **Annuitants**
     - $325,087
2. **Total Actuarial Accrued Liability**
   - **Contributing Members**
     - $89,069
   - **Noncontributing Members**
     - $90,711
   - **Annuitants**
     - $325,087
3. **Actuarial value of assets**
   - **Contributing Members**
     - $89,069
   - **Noncontributing Members**
     - $90,711
   - **Annuitants**
     - $325,087
4. **Unfunded/(overfunded) actuarial accrued liability**
   - **Contributing Members**
     - ($68,879)
   - **Noncontributing Members**
     - 0
   - **Annuitants**
     - 0
5. **Funded Ratio**
   - **Contributing Members**
     - 113.6%
   - **Noncontributing Members**
     - 69.0%
   - **Annuitants**
     - 69.0%

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- **Normal Cost**
  - 1.59%
- **Prior Service**
  - -1.25%
- **Total Retirement**
  - 0.34%
- **Supplemental Death**
  - 0.17%
- **Total Rate**
  - 0.51%

**Statutory Maximum**
- **Total Retirement Only**
  - 7.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**
  - 25.0 years
- **Number of annuitants**
  - 5
- **Number of active contributing members**
  - 10
- **Average age of contributing members**
  - 45.2 years
- **Average length of service of contributing members**
  - 10.2 years
### Summary of Actuarial Information

#### 1. Actuarial Accrued Liability
   - **a. Contributing Members**: $376,325, $209,422, $7,833,362, $11,671,500, $120,242, $129,803,650, $202,946,625
   - **b. Noncontributing Members**: 84,861, 170,820, 3,918,576, 15,952,958, 391,905,329
   - **c. Annuitants**: 396,916, 396,504, 3,918,576, 15,952,958, 391,905,329


#### 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3): ($18,842), $278,363, $2,586,963, $4,658,999, ($31,998), $57,173,211, $88,907,954

#### 5. Funded Ratio: (3) / (2) 102.5%, 64.2%, 79.8%, 84.4%, 113.9%, 77.6%, 78.4%

#### 6. Annual Payroll: $654,297, $475,022, $5,124,560, $6,564,551, $251,027, $42,531,643, $59,023,991

### City Contribution Rates for 2015

#### Retirement
   - **Normal Cost**: 7.20%, 8.36%, 7.84%, 5.66%, 3.86%, 9.24%, 9.14%
   - **Prior Service**: -0.18%, 4.61%, 2.87%, 4.84%, -0.80%, 8.67%, 10.57%
   - **Total Retirement**: 7.02%, 12.97%, 10.71%, 10.50%, 3.06%, 17.91%, 19.71%
   - **Supplemental Death**: 0.14%, 0.14%, 0.15%, 0.24%, 0.29%, 0.16%, 0.00%
   - **Total Rate**: 7.16%, 13.11%, 10.86%, 10.74%, 3.35%, 17.91%, 19.71%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
   - 5.47%, 10.37%, 10.69%, N/A, 205, 19.71%

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

### Additional Information

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
   - 25.0 years, 17.7 years, 30.0 years, 22.0 years, 25.0 years, 24.0 years, 21.0 years

#### Number of Annuitants
   - 6, 1, 37, 94, 1, 387, 724

#### Number of Active Contributing Members
   - 15, 7, 106, 161, 5, 734, 1,038

#### Number of Inactive Members
   - 18, 4, 44, 89, 5, 205, 288

#### Average Age of Contributing Members
   - 45.2 years, 48.5 years, 45.0 years, 44.4 years, 50.2 years, 41.4 years, 44.9 years

#### Average Length of Service of Contributing Members
   - 6.1 years, 17.8 years, 9.5 years, 9.1 years, 9.7 years, 10.7 years, 12.4 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members: $9,377,843, $25,411,090, $44,290, $169,825, $3,194,007, $637,781, $18,180,315
   - Noncontributing Members: 1,286,287, 2,607,263, 0, 10,907, 494,514, 110,712, 4,259,938
   - Annuitants: 7,253,708, 16,757,990, 35,739, 301,222, 983,102, 15,018, 23,015,982

2. Total Actuarial Accrued Liability: $17,917,838, $44,776,343, $180,029, $481,954, $4,671,623, $763,511, $45,456,235

3. Actuarial value of assets: 15,830,438, 36,569,728, 199,276, 427,245, 3,111,873, 689,431, 35,157,823

4. Unfunded/(overfunded) actuarial accrued liability: ($2,087,400), ($8,206,615), ($19,247), $54,709, $1,559,750, $74,080, $10,298,412

5. Funded Ratio: 88.4%, 81.7%, 110.7%, 88.6%, 66.6%, 90.3%, 77.3%

6. Annual Payroll: $7,146,446, $7,922,627, $104,083, $335,076, $903,378, $440,132, $8,228,854

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
- Normal Cost: 5.41%, 11.23%, 2.81%, 1.35%, 7.44%, 0.94%, 7.99%
- Prior Service: 1.66%, 6.52%, -1.16%, 1.03%, 18.88%, 2.05%, 8.29%
- Total Retirement: 7.07%, 17.75%, 1.65%, 2.38%, 18.88%, 2.05%, 16.28%
- Supplemental Death: 0.17%, 0.16%, 0.45%, 0.00%, 0.27%, 0.31%, 0.22%
- Total Rate: 7.24%, 17.91%, 1.65%, 2.38%, 19.15%, 3.30%, 16.50%

#### Supplemental Death
- 0.17%, 0.16%, 0.45%, 0.00%, 0.27%, 0.31%, 0.22%

#### Total Rate
- 7.24%, 17.91%, 2.10%, 2.38%, 19.15%, 3.30%, 16.50%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- 6.93%, N/A, N/A, N/A, N/A, N/A, N/A

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

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
- Bishop: 14.0 years, Blanco: 25.0 years, Blooming Grove: 30.0 years, Blossom: 25.0 years, Blue Mound: 30.0 years, Blue Ridge: 25.0 years, Boone: 30.0 years

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
- Number of annuitants: 14, 3, 3, 5, 3, 2, 3
- Number of active contributing members: 14, 3, 3, 5, 3, 2, 3
- Number of inactive members: 14, 3, 3, 5, 3, 2, 3
- Average age of contributing members: 46.9 years, 46.7 years, 41.9 years, 56.4 years, 38.6 years, 29.7 years, 41.5 years
- Average length of service of contributing members: 7.9 years, 6.3 years, 15.3 years, 3.5 years, 2.6 years, 9.0 years

### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members: $964,363, $281,462, $125,703, $466,415, $117,110, $50,503, $28,356,833
   - Noncontributing Members: 180,692, 83,170, 96,038, 40,575, 70,743, 1,708, 1,486,502
   - Annuitants: 1,049,027, 187,616, 110,721, 133,852, 162,356, 28,632, 13,566,095

2. Total Actuarial Accrued Liability: $2,194,082, $552,248, $332,462, $640,842, $350,209, $80,843, $43,409,430


4. Unfunded/(overfunded) actuarial accrued liability: ($180,686), ($26,205), ($46,831), ($56,825), ($20,497), (24,270), ($14,504,326)

5. Funded Ratio: 91.8%, 104.7%, 85.9%, 108.9%, 94.1%, 130.0%, 66.6%

6. Annual Payroll: $713,048, $514,814, $152,060, $158,961, $600,865, $189,685, $11,106,396

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
- Normal Cost: 2.68%, 1.53%, 5.79%, 5.84%, 3.65%, 0.85%, 10.73%
- Prior Service: 2.37%, -0.32%, 1.75%, -2.25%, 0.19%, -0.81%, 7.41%
- Total Retirement: 5.05%, 1.21%, 7.54%, 3.84%, 0.04%, 0.20%, 18.14%
- Supplemental Death: 0.26%, 0.29%, 0.13%, 0.57%, 0.09%, 0.16%, 0.15%
- Total Rate: 5.31%, 1.50%, 7.67%, 4.36%, 3.93%, 0.20%, 18.29%

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

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
- Number of annuitants: 14, 3, 3, 5, 3, 2, 3
- Number of active contributing members: 14, 3, 3, 5, 3, 2, 3
- Number of inactive members: 14, 3, 3, 5, 3, 2, 3
- Average age of contributing members: 46.9 years, 46.7 years, 41.9 years, 56.4 years, 38.6 years, 29.7 years, 41.5 years
- Average length of service of contributing members: 7.9 years, 6.3 years, 15.3 years, 3.5 years, 2.6 years, 9.0 years
### Summary of Actuarial Information

#### 1. Actuarial Accrued Liability
   - **Contributing Members**
     - Bogata: $107,753
     - Breckenridge: $380,312
     - Bremond: $17,704,991
     - Brownsville: $70,340
     - Bowie: $6,781,810
     - Boyd: $412,406
   - **Noncontributing Members**
     - Bogata: $7,792
     - Breckenridge: $1,531,987
     - Bremond: $201,020
     - Brownsville: $19,188
     - Bowie: $2,271,880
     - Boyd: $2,722,558
   - **Annuitants**
     - Bogata: $67,014
     - Breckenridge: $2,521,914
     - Bremond: $18,084,574
     - Brownsville: $271,880
     - Bowie: $5,272,558
     - Boyd: $27,176

#### 2. Total Actuarial Accrued Liability
   - Bogata: $182,559
   - Breckenridge: $12,744,721
   - Bremond: $578,679
   - Brownsville: $37,802,770
   - Bowie: $361,408
   - Boyd: $622,043

#### 3. Actuarial Value of Assets
   - Bogata: $255,229
   - Breckenridge: $12,085,386
   - Bremond: $588,193
   - Brownsville: $29,416,275
   - Bowie: $412,349
   - Boyd: $11,482,019

#### 4. Unfunded/(overfunded) Actuarial Accrued Liability
   - Bogata: $(72,670)
   - Breckenridge: $659,335
   - Bremond: $(9,514)
   - Brownsville: $8,386,495
   - Bowie: $(50,941)
   - Boyd: $2,262,465

#### 5. Funded Ratio
   - Bogata: 139.8%
   - Breckenridge: 94.8%
   - Bremond: 101.6%
   - Brownsville: 77.8%
   - Bowie: 114.1%
   - Boyd: 83.5%

#### 6. Annual Payroll
   - Bogata: $247,655
   - Breckenridge: $4,702,478
   - Bremond: $395,846
   - Brownsville: $7,026,104
   - Bowie: $3,874,481
   - Boyd: $624,068

### City Contribution Rates for 2015

#### Retirement
   - **Normal Cost**
     - Bogata: 1.61%
     - Breckenridge: 3.50%
     - Bremond: 5.24%
     - Brownsville: 8.57%
     - Bowie: 1.31%
     - Boyd: 6.63%
   - **Prior Service**
     - Bogata: -1.61%
     - Breckenridge: 1.58%
     - Bremond: -0.15%
     - Brownsville: 7.34%
     - Bowie: -0.86%
     - Boyd: 3.68%
   - **Total Retirement**
     - Bogata: 0.00%
     - Breckenridge: 5.08%
     - Bremond: 5.09%
     - Brownsville: 15.91%
     - Bowie: 0.45%
     - Boyd: 10.31%

#### Supplemental Death
   - Bogata: 0.23%
   - Breckenridge: 0.09%
   - Bremond: 0.19%
   - Brownsville: 0.21%
   - Bowie: 0.33%
   - Boyd: 0.20%
   - **Total Rate**
     - Bogata: 0.23%
     - Breckenridge: 5.08%
     - Bremond: 5.28%
     - Brownsville: 16.12%
     - Bowie: 0.78%
     - Boyd: 10.51%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
   - Bogata: 77.6%
   - Breckenridge: 92.1%
   - Bremond: 81.9%
   - Brownsville: 62.0%
   - Bowie: 93.4%
   - Boyd: 77.0%

#### Statutory Maximum Rate (Total Retirement Only)
   - Bogata: 7.50%
   - Breckenridge: 10.50%
   - Bremond: 9.50%
   - Brownsville: 7.50%
   - Bowie: 11.50%
   - Boyd: 9.50%

### Additional Information

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
   - Bogata: 25.0 years
   - Breckenridge: 11.0 years
   - Bremond: 25.0 years
   - Brownsville: 26.0 years
   - Bowie: 25.0 years
   - Boyd: 25.0 years

#### Number of annuitants
   - Bogata: 2
   - Breckenridge: 36
   - Bremond: 3
   - Brownsville: 83
   - Bowie: 6
   - Boyd: 49

#### Number of active contributing members
   - Bogata: 10
   - Breckenridge: 106
   - Bremond: 11
   - Brownsville: 159
   - Bowie: 11
   - Boyd: 95

#### Number of inactive members
   - Bogata: 2
   - Breckenridge: 73
   - Bremond: 5
   - Brownsville: 49
   - Bowie: 17
   - Boyd: 59

#### Average age of contributing members
   - Bogata: 45.7 years
   - Breckenridge: 42.8 years
   - Bremond: 44.8 years
   - Brownsville: 42.0 years
   - Bowie: 38.2 years
   - Boyd: 40.9 years

#### Average length of service of contributing members
   - Bogata: 5.5 years
   - Breckenridge: 5.5 years
   - Bremond: 7.4 years
   - Brownsville: 8.7 years
   - Bowie: 2.8 years
   - Boyd: 8.9 years

---

### Additional Information

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
   - Bogata: 25.0 years
   - Breckenridge: 11.0 years
   - Bremond: 30.0 years
   - Brownsville: 9.6 years
   - Bowie: 11.0 years
   - Boyd: 8.0 years

#### Number of annuitants
   - Bogata: 40
   - Breckenridge: 14
   - Bremond: 42
   - Brownsville: 2
   - Bowie: 102
   - Boyd: 38

#### Number of active contributing members
   - Bogata: 86
   - Breckenridge: 27
   - Bremond: 73
   - Brownsville: 6
   - Bowie: 24
   - Boyd: 60

#### Number of inactive members
   - Bogata: 63
   - Breckenridge: 23
   - Bremond: 43
   - Brownsville: 7
   - Bowie: 34
   - Boyd: 60

#### Average age of contributing members
   - Bogata: 45.4 years
   - Breckenridge: 45.6 years
   - Bremond: 40.3 years
   - Brownsville: 41.0 years
   - Bowie: 43.2 years
   - Boyd: 45.9 years

#### Average length of service of contributing members
   - Bogata: 6.8 years
   - Breckenridge: 10.7 years
   - Bremond: 6.7 years
   - Brownsville: 6.6 years
   - Bowie: 11.0 years
   - Boyd: 12.8 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members $337,195 $1,493,394 $7,971,207 $186,580,424 $69,055,705 $21,750,165 $450,749
   - b. Noncontributing Members 0 1,276,179 671,318 14,688,850 228,284,646 107,226,560 33,773,869 1,023,304
   - c. Annuitants 0 817,942 8,143,521 95,449,942 52,401,550 18,784,983 641,441

2. **Total Actuarial Accrued Liability** $337,195 $3,587,515 $16,786,046 $291,450,279 $129,382,480 $42,883,969 $1,147,969

3. **Actuarial value of assets** 235,077 3,691,629 14,688,850 228,284,646 107,226,560 33,773,869 1,025,304

4. **Unfunded/(overfunded) actuarial accrued liability:** (2) - (3) $102,118 ($104,114) $2,097,196 $63,165,633 $22,155,920 $9,110,100 $122,665

5. **Funded Ratio:** (3) / (2) 69.7% 102.9% 87.5% 78.3% 82.9% 78.8% 89.3%

6. **Annual Payroll** $129,031 $1,094,871 $3,393,344 $55,055,701 $25,271,224 $9,036,704 $415,561

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost 1.57% 4.76% 4.66% 10.32% 7.28% 8.38% 7.87%
- Prior Service 7.03% -0.60% 5.01% 8.05% 5.97% 6.35% 1.68%
- Total Retirement 8.60% 4.16% 9.67% 18.37% 13.25% 14.73% 9.55%

**Supplemental Death**
- 0.25% 0.15% 0.00% 0.16% 0.18% 0.00% 0.00%
- Total Rate 8.85% 4.31% 9.67% 18.53% 13.43% 14.73% 9.55%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death** N/A N/A N/A N/A N/A N/A 8.65%

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

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015 15.0 years 25.0 years 17.0 years 21.0 years 22.0 years 25.0 years 30.0 years
- Number of annuitants 0 7 42 445 231 101 8
- Number of active contributing members 4 35 84 1,117 537 220 12
- Number of inactive members 0 34 29 181 81 62 4
- Average age of contributing members 52.6 years 41.5 years 44.2 years 42.3 years 41.8 years 44.1 years 46.7 years
- Average length of service of contributing members 22.5 years 63.3 years 102 years 11.2 years 11.0 years 7.6 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members $161,946 $256,607 $130,078,304 $28350 $3,301,458 $573,185 $820,829
   - b. Noncontributing Members 2,414 92,192 26,704,918 24,072 549,559 166,700 201,197
   - c. Annuitants 26,370 410,246 106,400,481 362,858 1,070,471 274,234 21,907

2. **Total Actuarial Accrued Liability** $190,730 $759,045 $263,183,703 $415,280 $4,921,488 $1,014,120 $1,043,933

3. **Actuarial value of assets** 243,389 829,474 211,262,385 541,598 3,862,970 1,028,652 845,165

4. **Unfunded/(overfunded) actuarial accrued liability:** (2) - (3) ($52,659) ($70,429) $51,921,318 ($126,318) $1,043,933

5. **Funded Ratio:** (3) / (2) 127.6% 109.3% 80.3% 130.4% 78.5% 101.4% 81.0%

6. **Annual Payroll** $162,697 $434,770 $47,816,938 $76,314 $3,039,564 $552,797 $947,572

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost 5.56% 5.72% 8.67% 1.83% 10.89% 4.61% 5.35%
- Prior Service -2.04% -1.02% 6.83% -1.83% 1.98% -0.17% 1.19%
- Total Retirement 3.52% 4.70% 15.50% 0.00% 12.87% 4.44% 6.54%

**Supplemental Death**
- 0.00% 0.17% 0.00% 0.14% 0.21%
- Total Rate 3.52% 4.87% 15.50% 0.00% 12.87% 4.44% 6.54%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death** N/A N/A N/A N/A N/A N/A 8.65%

**Statutory Maximum Rate (Total Retirement Only)** 11.50% 15.00% N/A 9.50% 13.50% 11.50% 11.50%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015 25.0 years 25.0 years 25.0 years 25.0 years 30.0 years 25.0 years 30.0 years
- Number of annuitants 1 7 481 1 11 3 1
- Number of active contributing members 8 13 85 3 69 15 1
- Number of inactive members 4 10 370 3 21 10 14
- Average age of contributing members 64.4 years 41.3 years 41.1 years 35.2 years 35.5 years 86.0 years
- Average length of service of contributing members 22.5 years 63.3 years 102 years 11.2 years 11.0 years 7.6 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</th>
<th>Actuarial Value of Assets</th>
<th>Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</th>
<th>Funded Ratio: (3) / (2)</th>
<th>Annual Payroll</th>
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<td>$985,734</td>
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<td>1,496,818</td>
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<td>1,462,360</td>
<td>97,700</td>
<td>74,272</td>
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</table>

#### 2. Total Actuarial Accrued Liability

| City                  | $1,542,645           | $2,362,015              | $12,375,089 | $69,770,993 | $18,987,048 | $889,003  | $274,724 |

#### 3. Actuarial value of assets

| City                  | $1,309,100           | $2,408,749              | $10,668,451 | $52,438,267 | $15,462,360 | $979,700  | $250,492 |

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

| City                  | $233,545             | ($46,734)               | $1,706,638 | $17,332,726 | $3,524,688 | ($90,697) | $24,232  |

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

| City                  | 84.9%                | 102.0%                  | 86.2%       | 75.2%       | 81.4%       | 110.2%    | 91.2%    |

#### 6. Annual Payroll

| City                  | $1,124,743           | $542,516                | $2,651,584 | $18,236,244 | $5,316,132 | $859,696  | $471,729 |

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement

<table>
<thead>
<tr>
<th>City</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>Bulverde</td>
<td>7.33%</td>
<td>3.27%</td>
<td>10.60%</td>
<td>0.12%</td>
<td>8.75%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Burkburnett</td>
<td>10.38%</td>
<td>-0.54%</td>
<td>9.84%</td>
<td>0.17%</td>
<td>9.89%</td>
<td>0.92%</td>
<td>10%</td>
</tr>
<tr>
<td>Burleson</td>
<td>6.37%</td>
<td>3.72%</td>
<td>10.09%</td>
<td>0.23%</td>
<td>10.83%</td>
<td>12.05%</td>
<td>N/A</td>
</tr>
<tr>
<td>Burnet</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>Cactus</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>Caddo Mills</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### Supplemental Death

| City                  | 0.12%       | 0.17%         | 0.23%            | 0.12%              | 0.22%      | 0.12%                                                        | 0.12%                                         |

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th>City</th>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2015</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>Bulverde</td>
<td>30.0 years</td>
<td>7</td>
<td>21</td>
<td>8</td>
<td>42.0 years</td>
<td>9.5 years</td>
</tr>
<tr>
<td>Burkburnett</td>
<td>1.18%</td>
<td>1</td>
<td>8</td>
<td>2</td>
<td>46.6 years</td>
<td>15.1 years</td>
</tr>
<tr>
<td>Burleson</td>
<td>1.18%</td>
<td>1</td>
<td>6</td>
<td>2</td>
<td>43.4 years</td>
<td>9.6 years</td>
</tr>
<tr>
<td>Burnet</td>
<td>1.18%</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>41.7 years</td>
<td>10.6 years</td>
</tr>
<tr>
<td>Cactus</td>
<td>1.18%</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>42.4 years</td>
<td>10.6 years</td>
</tr>
<tr>
<td>Caddo Mills</td>
<td>1.18%</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>40.0 years</td>
<td>4.2 years</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement

<table>
<thead>
<tr>
<th>City</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>Caldwell</td>
<td>5.58%</td>
<td>3.77%</td>
<td>9.35%</td>
<td>0.34%</td>
<td>9.69%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Calvert</td>
<td>2.12%</td>
<td>-0.85%</td>
<td>2.12%</td>
<td>0.29%</td>
<td>2.41%</td>
<td>0.29%</td>
<td>N/A</td>
</tr>
<tr>
<td>Cameron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>11.50%</td>
</tr>
<tr>
<td>Canadian</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>Canton</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>Canyon</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>Carthage</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th>City</th>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2015</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>Caldwell</td>
<td>30.0 years</td>
<td>7</td>
<td>21</td>
<td>8</td>
<td>42.0 years</td>
<td>9.5 years</td>
</tr>
<tr>
<td>Calvert</td>
<td>1.18%</td>
<td>1</td>
<td>8</td>
<td>2</td>
<td>46.6 years</td>
<td>15.1 years</td>
</tr>
<tr>
<td>Cameron</td>
<td>1.18%</td>
<td>1</td>
<td>6</td>
<td>2</td>
<td>43.4 years</td>
<td>9.6 years</td>
</tr>
<tr>
<td>Canadian</td>
<td>1.18%</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>41.7 years</td>
<td>10.6 years</td>
</tr>
<tr>
<td>Canton</td>
<td>1.18%</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>42.4 years</td>
<td>10.6 years</td>
</tr>
<tr>
<td>Canyon</td>
<td>1.18%</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>40.0 years</td>
<td>4.2 years</td>
</tr>
<tr>
<td>Carthage</td>
<td>1.18%</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>43.8 years</td>
<td>6.6 years</td>
</tr>
</tbody>
</table>

### 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</th>
<th>Actuarial Value of Assets</th>
<th>Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</th>
<th>Funded Ratio: (3) / (2)</th>
<th>Annual Payroll</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caldwell</td>
<td>$5,136,587</td>
<td>$125,517</td>
<td>$1,799,526</td>
<td>$2,651,584</td>
<td>$1,613,548</td>
<td>$4,909,741</td>
<td>$11,227,799</td>
<td>$863,190</td>
</tr>
<tr>
<td>Calvert</td>
<td>$48,598</td>
<td>83</td>
<td>169</td>
<td>473</td>
<td>247</td>
<td>789</td>
<td>102.3%</td>
<td>$26,279</td>
</tr>
<tr>
<td>Cameron</td>
<td></td>
<td></td>
<td></td>
<td>46.6 years</td>
<td>15.1 years</td>
<td>9.6 years</td>
<td>4.2 years</td>
<td>3.6 years</td>
</tr>
</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $1,037,624 $150,116,208 $12,926,277 $6,416,206 $1,285,383 $45,869,239 $36,452,454
   c. Annuitants 3,311,380 137,720,043 13,317,843 7,834,590 2,357,829 23,316,669 8,124,140
2. Total Actuarial Accrued Liability $4,396,974 $341,764,756 $27,943,870 $14,983,566 $4,510,607 $75,717,489 $50,328,156
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $308,319 $27,903,349 $6,223,190 $2,720,213 $627,219 $12,293,916 $7,885,115
5. Funded Ratio: (3) / (2) 93.0% 91.8% 77.7% 81.8% 86.1% 83.8% 84.3%
6. Annual Payroll $1,313,931 $49,011,629 $4,077,967 $2,854,949 $1,593,215 $18,792,302 $21,672,178

### CITY CONTRIBUTION RATES FOR 2015

<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</th>
<th>Statue Maximum Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>4.17%</td>
<td>7.63%</td>
<td>11.80%</td>
<td>8.49%</td>
<td>12.45%</td>
<td>0.21%</td>
<td>9.50%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>1.33%</td>
<td>4.82%</td>
<td>6.15%</td>
<td>10.40%</td>
<td>15.89%</td>
<td>0.00%</td>
<td>13.50%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>5.50%</td>
<td>12.45%</td>
<td>18.95%</td>
<td>13.30%</td>
<td>13.47%</td>
<td>0.21%</td>
<td>13.30%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.21%</td>
<td>0.00%</td>
<td>0.21%</td>
<td>0.17%</td>
<td>0.38%</td>
<td>0.17%</td>
<td>0.38%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>5.71%</td>
<td>12.45%</td>
<td>19.16%</td>
<td>13.47%</td>
<td>13.85%</td>
<td>0.38%</td>
<td>13.85%</td>
</tr>
<tr>
<td>Phase-In Rate</td>
<td>9.50%</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>Statue Maximum Rate</td>
<td>5.06%</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>GASB 25 Equivalent Single Amortization Period as of 1/2015</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>30 years</td>
<td>23</td>
<td>44</td>
<td>8</td>
<td>42.1 years</td>
<td>5.6 years</td>
</tr>
<tr>
<td>16.0 years</td>
<td>478</td>
<td>773</td>
<td>506</td>
<td>43.1 years</td>
<td>12.1 years</td>
</tr>
<tr>
<td>22.0 years</td>
<td>52</td>
<td>79</td>
<td>40</td>
<td>45.2 years</td>
<td>9.9 years</td>
</tr>
<tr>
<td>26.0 years</td>
<td>45</td>
<td>57</td>
<td>40</td>
<td>49.0 years</td>
<td>10.6 years</td>
</tr>
<tr>
<td>30.0 years</td>
<td>27</td>
<td>36</td>
<td>27</td>
<td>43.9 years</td>
<td>6.9 years</td>
</tr>
<tr>
<td>27.0 years</td>
<td>109</td>
<td>325</td>
<td>128</td>
<td>39.7 years</td>
<td>10.7 years</td>
</tr>
</tbody>
</table>

### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $16,358 $1,829,761 $6,432,039 $498,184 $513,294 $313,323 $213,463
   b. Noncontributing Members 32,464 868,861 596,444 105 19,643 72,012 152,818
   c. Annuitants 39,704 56,913 4,499,885 0 89,861 78,147 0
2. Total Actuarial Accrued Liability $88,526 $2,755,535 $11,528,368 $498,289 $622,798 $463,482 $366,281
3. Actuarial value of assets 28,796 3,153,630 8,271,905 494,107 343,851 416,237 385,851
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $59,730 ($398,095) $3,256,463 $4,182 $278,947 $47,245 ($19,572)
5. Funded Ratio: (3) / (2) 32.5% 114.4% 71.8% 99.2% 55.2% 89.8% 105.3%
6. Annual Payroll $100,224 $2,862,191 $2,984,282 $209,462 $664,444 $192,696 $27,983

### CITY CONTRIBUTION RATES FOR 2015

<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</th>
<th>Statue Maximum Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>1.69%</td>
<td>5.99%</td>
<td>7.68%</td>
<td>9.17%</td>
<td>10.76%</td>
<td>0.13%</td>
<td>9.50%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>4.32%</td>
<td>0.88%</td>
<td>5.20%</td>
<td>6.71%</td>
<td>7.91%</td>
<td>0.00%</td>
<td>7.91%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>6.00%</td>
<td>11.88%</td>
<td>18.88%</td>
<td>15.88%</td>
<td>17.76%</td>
<td>0.13%</td>
<td>17.76%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.14%</td>
<td>0.13%</td>
<td>0.27%</td>
<td>0.17%</td>
<td>0.34%</td>
<td>0.13%</td>
<td>0.34%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>6.14%</td>
<td>12.01%</td>
<td>18.15%</td>
<td>16.05%</td>
<td>17.99%</td>
<td>0.26%</td>
<td>17.99%</td>
</tr>
<tr>
<td>Phase-In Rate</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>Statue Maximum Rate</td>
<td>N/A</td>
<td>13.50%</td>
<td>N/A</td>
<td>9.50%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2015</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>20.0 years</td>
<td>1</td>
<td>4</td>
<td>7</td>
<td>41.6 years</td>
<td>2.0 years</td>
</tr>
<tr>
<td>25.0 years</td>
<td>1</td>
<td>5</td>
<td>2</td>
<td>41.5 years</td>
<td>6.7 years</td>
</tr>
<tr>
<td>26.0 years</td>
<td>39</td>
<td>69</td>
<td>14</td>
<td>41.8 years</td>
<td>9.5 years</td>
</tr>
<tr>
<td>2.0 years</td>
<td>3</td>
<td>5</td>
<td>1</td>
<td>43.6 years</td>
<td>17.3 years</td>
</tr>
<tr>
<td>10.7 years</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>46.0 years</td>
<td>11.3 years</td>
</tr>
</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members
     - $179,860 / $2,999,600 / $523,282 / $7,213 / $4,482,674 / $1,234,924 / $298,141
   - Noncontributing Members
     - 9,672 / 237,774 / 294,423 / 251 / 1,144,333 / 97,998 / 71,207
   - Annuitants
     - 108,756 / 4,002,066 / 691,829 / 18,183 / 1,079,892 / 1,203,673 / 162,993

2. Total Actuarial Accrued Liability
   - $298,288 / $7,239,440 / $1,509,534 / $25,647 / $6,706,899 / $2,536,595 / $532,341

3. Actuarial value of assets
   - 269,234 / 5,415,372 / 1,078,155 / 36,035 / 5,352,122 / 2,743,977 / 637,490

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - ($29,054) / ($1,824,068) / $431,379 / ($10,388) / $1,354,777 / ($207,382) / $105,149

5. Funded Ratio: (3) / (2)
   - 90.3% / 74.8% / 71.4% / 140.5% / 79.8% / 108.2% / 119.8%

6. Annual Payroll
   - $260,218 / $1,702,629 / $262,856 / $32,179 / $4,520,716 / $994,601 / $416,914

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 2.02% / 8.66% / 8.80% / 0.41% / 11.06% / 4.33% / 1.32%
- Prior Service: 1.04% / 6.08% / 9.87% / -0.41% / 1.70% / -1.31% / -1.32%
- Total Retirement: 3.06% / 14.74% / 18.67% / 0.00% / 12.76% / 3.02% / 0.00%

**Supplemental Death**
- 0.35% / 0.24% / 0.18% / 0.00% / 0.13% / 0.19% / 0.24%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**
- N/A / 14.94% / N/A / N/A / 10.29% / N/A / 7.90%

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

### ADDITIONAL INFORMATION

**GASB 25 Equivalent Single Amortization Period as of 1/2015**
- 14.0 years / 30.0 years / 27.0 years / 25.0 years / 30.0 years / 25.0 years / 25.0 years

**Number of annuitants**
- 3 / 28 / 3 / 2 / 17 / 14 / 6

**Number of active contributing members**
- 7 / 57 / 6 / 1 / 103 / 33 / 15

**Number of inactive members**
- 3 / 23 / 1 / 2 / 48 / 26 / 7

**Average age of contributing members**
- 56.5 years / 44.4 years / 43.4 years / 30.9 years / 40.1 years / 42.9 years / 47.7 years

**Average length of service of contributing members**
- 9.8 years / 7.0 years / 8.5 years / 4.3 years / 7.9 years / 7.0 years / 7.9 years

---

### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members
     - $1,459,194 / $931,139 / $561,174 / $34,186,526 / $3,683,879 / $820,920 / $8,328,763
   - Noncontributing Members
     - 620,384 / 72,895 / 122,745 / $5,066,221 / 1,130,402 / 253,933 / 2,767,236
   - Annuitants
     - 233,494 / 102,629 / 467,915 / $39,847,649 / 4,822,352 / 573,440 / 6,645,738

2. Total Actuarial Accrued Liability
   - $2,313,072 / $1,106,663 / $1,151,834 / $79,100,396 / $9,636,633 / $1,648,293 / $17,741,737

3. Actuarial value of assets
   - 2,625,373 / 1,275,971 / 934,265 / $58,457,410 / $7,537,292 / $1,776,850 / $16,262,227

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - ($312,301) / ($169,308) / $217,569 / $20,642,986 / ($287,341) / ($128,557) / ($1,479,510)

5. Funded Ratio: (3) / (2)
   - 113.5% / 115.3% / 81.1% / 73.9% / 78.2% / 107.8% / 91.7%

6. Annual Payroll
   - $864,494 / $212,564 / $650,840 / $14,484,428 / $2,833,664 / $10,020,402 / $3,914,772

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 6.07% / 3.06% / 8.09% / 9.12% / 6.15% / 1.74% / 8.42%
- Prior Service: -2.27% / -3.06% / 1.90% / 8.97% / 4.52% / -0.79% / 2.18%
- Total Retirement: 3.80% / 0.00% / 9.99% / 18.09% / 10.67% / 0.95% / 10.60%

**Supplemental Death**
- 0.22% / 0.27% / 0.16% / 0.21% / 0.30% / 0.28% / 0.17%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**
- N/A / N/A / 9.66% / N/A / 10.82% / N/A / 10.99%

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

### ADDITIONAL INFORMATION

**GASB 25 Equivalent Single Amortization Period as of 1/2015**
- 25.0 years / 25.0 years / 30.0 years / 25.0 years / 26.0 years / 25.0 years / 29.0 years

**Number of annuitants**
- 7 / 3 / 4 / 162 / 42 / 13 / 45

**Number of active contributing members**
- 28 / 5 / 13 / 272 / 70 / 25 / 93

**Number of inactive members**
- 26 / 3 / 10 / 89 / 53 / 18 / 64

**Average age of contributing members**
- 45.8 years / 40.1 years / 41.2 years / 44.6 years / 43.1 years / 45.7 years / 42.1 years

**Average length of service of contributing members**
- 8.5 years / 10.3 years / 8.8 years / 9.9 years / 7.9 years / 8.3 years / 7.8 years

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**Continued**

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**Continued**

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**Continued**

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**Continued**

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### Summary of Actuarial Information

#### 1. Actuarial Accrued Liability
   - Contributing Members: $1,963,482, $7,076,387
   - Noncontributing Members: $145,689, $7,076,387
   - Annuitants: $1,778,406, $7,076,387

#### 2. Total Actuarial Accrued Liability
   - $3,145,623, $12,840,535

#### 3. Actuarial Value of Assets
   - $2,433,493, $9,709,672

#### 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - ($712,130), ($3,130,863)

#### 5. Funded Ratio: (3) / (2)
   - 77.4%, 75.6%

#### 6. Annual Payroll
   - $1,148,290, $1,350,981

### City Contribution Rates for 2015

#### Retirement
   - Normal Cost: 9.33%, 9.05%
   - Prior Service: 3.52%, -0.69%
   - Total Retirement: 12.85%, 8.49%
   - Supplemental Death: 0.18%, 6.49%
   - Total Rate: 13.03%, 13.50%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
   - N/A, 13.60%

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

### Additional Information

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
   - 30.0 years, 21.0 years

#### Number of Annuitants
   - 10, 18

#### Number of Active Contributing Members
   - 34, 42

#### Number of Inactive Members
   - 18, 28

#### Average Age of Contributing Members
   - 42.3 years, 43.8 years

#### Average Length of Service of Contributing Members
   - 8.2 years, 10.4 years

---

### Summary of Actuarial Information

#### 1. Actuarial Accrued Liability
   - Contributing Members: $168,252, $1,446,366
   - Noncontributing Members: $1,937,951, $2,756,595
   - Annuitants: $3,806,305, $4,058,981

#### 2. Total Actuarial Accrued Liability
   - $170,678, $2,892,389

#### 3. Actuarial Value of Assets
   - $128,090, $2,521,185

#### 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - $42,588, $371,204

#### 5. Funded Ratio: (3) / (2)
   - 75.0%, 87.2%

#### 6. Annual Payroll
   - $136,005, $1,056,861

### City Contribution Rates for 2015

#### Retirement
   - Normal Cost: 2.95%, 3.03%
   - Prior Service: 3.68%, 2.27%
   - Total Retirement: 6.63%, 5.30%
   - Supplemental Death: 0.08%, 0.30%
   - Total Rate: 6.71%, 5.60%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
   - N/A, 13.44%

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

### Additional Information

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
   - 10.5 years, 24.0 years
**SUMMARY OF ACTUARIAL INFORMATION**

1. Actuarial Accrued Liability
   b. Noncontributing Members 15,427 10,002,758 78,643 6,913,425 2,748,582 34,361,600 187,900
   c. Annuitants 385,891 26,320,523 39,305 20,856,069 6,405,125 354,305,784 639,279

2. Total Actuarial Accrued Liability $1,216,050 $114,264,610 $234,461 $49,878,418 $28,200,256 $651,366,142 $1,209,375

3. Actuarial value of assets 1,124,322 96,086,100 217,996 40,650,540 20,892,219 583,192,963 1,205,009

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $91,728 $18,178,510 $16,465 $9,227,878 $7,308,037 $68,173,179 $4,366

5. Funded Ratio: (3) / (2) 92.5% 84.1% 93.0% 81.5% 74.1% 89.5% 99.6%

6. Annual Payroll $419,774 $25,376,069 $157,835 $11,136,020 $8,529,749 $113,374,593 $798,196

**CITY CONTRIBUTION RATES FOR 2015**

**Retirement**
- Normal Cost 7.24% 11.02% 11.02% 7.91% 10.42% 3.99% 1.09%
- Prior Service 2.91% 4.41% 0.59% 4.70% 4.86% 6.07% 0.03%
- Total Retirement 10.15% 15.43% 11.61% 12.61% 15.28% 10.06% 1.12%

**Supplemental Death**
- 0.29% 0.15% 0.48% 0.19% 0.10% 0.00% 0.24%
- Total Rate 10.44% 15.58% 12.09% 12.80% 15.38% 10.06% 1.36%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**
- N/A N/A 7.90% N/A 15.23% N/A 7.50%

**Statutory Maximum Rate (Total Retirement Only)**
- 8.50% N/A N/A N/A N/A N/A 7.50%

**ADDITIONAL INFORMATION**

- GASB 25 Equivalent Single Amortization Period as of 1/2015: 9.0 years 26.0 years 30.0 years 30.0 years 30.0 years 12.7 years 25.0 years
- Number of annuitants: 4 139 1 184 47 1,918 11
- Number of active contributing members: 13 374 3 256 146 2,251 24
- Number of inactive members: 1 150 4 170 75 759 19
- Average age of contributing members: 49.6 years 43.8 years 61.5 years 40.8 years 40.6 years 45.2 years 43.0 years
- Average length of service of contributing members: 12.2 years 12.7 years 15.6 years 11.0 years 11.1 years 12.1 years 6.1 years
### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Cross Plains</th>
<th>Cross Roads</th>
<th>Crowley</th>
<th>Crystal City</th>
<th>Cuero</th>
<th>Country</th>
<th>Daingerfield</th>
</tr>
</thead>
<tbody>
<tr>
<td>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>$538,245</td>
<td>$57,096</td>
<td>$9034,325</td>
<td>$911,559</td>
<td>$5,605,049</td>
<td>$175,822</td>
<td>$846,862</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>195,057</td>
<td>0</td>
<td>1,511,761</td>
<td>380,805</td>
<td>935,688</td>
<td>26,554</td>
<td>488,673</td>
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<tr>
<td>c. Annuitants</td>
<td>101,180</td>
<td>0</td>
<td>3,016,311</td>
<td>1,377,128</td>
<td>3,341,186</td>
<td>163,583</td>
<td>1,894,440</td>
</tr>
<tr>
<td>2. Total Actuarial Accrued Liability</td>
<td>$834,482</td>
<td>$57,096</td>
<td>$13,562,397</td>
<td>$2,663,028</td>
<td>$11,244,278</td>
<td>$220,966</td>
<td>$2,160,347</td>
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<tr>
<td>3. Actuarial value of assets</td>
<td>759,853</td>
<td>24,970</td>
<td>11,234,026</td>
<td>3,337,128</td>
<td>8,341,186</td>
<td>163,583</td>
<td>1,894,440</td>
</tr>
<tr>
<td>4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</td>
<td>($74,629)</td>
<td>($32,126)</td>
<td>$2,328,371</td>
<td>($674,100)</td>
<td>$2,903,092</td>
<td>$57,383</td>
<td>$260,907</td>
</tr>
<tr>
<td>5. Funded Ratio: (3) / (2)</td>
<td>91.1%</td>
<td>43.7%</td>
<td>82.8%</td>
<td>125.3%</td>
<td>74.2%</td>
<td>74.0%</td>
<td>87.7%</td>
</tr>
<tr>
<td>6. Annual Payroll</td>
<td>$32,685</td>
<td>$245,778</td>
<td>$5,123,635</td>
<td>$1,249,339</td>
<td>$4,403,134</td>
<td>$384,601</td>
<td>$750,674</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 5.48%
- Prior Service: 2.53%
- Total Retirement: 8.01%
- Supplemental Death: 0.46%
- Total Rate: 8.47%
- Phase-In Rate (Minimum Contribution, Incl. Supplemental Death): N/A
- Statutory Maximum Rate (Total Retirement Only): 9.50%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015: 11.0 years
- Number of annuitants: 1
- Number of active contributing members: 8
- Number of inactive members: 6
- Average age of contributing members: 53.1 years
- Average length of service of contributing members: 9.1 years

### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Dalhart</th>
<th>Dalworthington Gardens</th>
<th>Danbury</th>
<th>Buronzoett</th>
<th>Dayton</th>
<th>De Leon</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>a. Contributing Members</td>
<td>$80,713</td>
<td>$2,761,121</td>
<td>$5,116,589</td>
<td>$274,444</td>
<td>$9,986</td>
<td>$3,070,303</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>32,579</td>
<td>804,244</td>
<td>444,791</td>
<td>28,411</td>
<td>174,956</td>
<td>$30,240</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>6,798</td>
<td>3,105,318</td>
<td>1,235,947</td>
<td>5,282</td>
<td>0</td>
<td>1,871,978</td>
</tr>
<tr>
<td>2. Total Actuarial Accrued Liability</td>
<td>$120,090</td>
<td>$6,670,683</td>
<td>$6,797,327</td>
<td>$308,137</td>
<td>$184,942</td>
<td>$5,644,054</td>
</tr>
<tr>
<td>3. Actuarial value of assets</td>
<td>163,414</td>
<td>6,728,933</td>
<td>3,847,970</td>
<td>209,970</td>
<td>168,483</td>
<td>4,926,166</td>
</tr>
<tr>
<td>4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</td>
<td>($43,324)</td>
<td>($58,250)</td>
<td>$2,949,357</td>
<td>$98,167</td>
<td>$16,459</td>
<td>$717,888</td>
</tr>
<tr>
<td>5. Funded Ratio: (3) / (2)</td>
<td>136.1%</td>
<td>100.9%</td>
<td>56.6%</td>
<td>68.1%</td>
<td>91.1%</td>
<td>98.3%</td>
</tr>
<tr>
<td>6. Annual Payroll</td>
<td>$248,878</td>
<td>$2,190,355</td>
<td>$1,504,532</td>
<td>$308,125</td>
<td>$100,240</td>
<td>$3,140,272</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 1.93%
- Prior Service: -1.10%
- Total Retirement: 0.83%
- Supplemental Death: 0.27%
- Total Rate: 1.10%
- 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 1/2015: 25.0 years
- Number of annuitants: 1
- Number of active contributing members: 9
- Number of inactive members: 8
- Average age of contributing members: 52.0 years
- Average length of service of contributing members: 9.1 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members: $46,924,955, $12,986,243, $47,428,042, $226,820, $15,206,275, $133,461, $28,414,456
   - Noncontributing Members: 39,348,866, 3,388,647, 55,875,462, 114,057, 216,750, 54,881,770
2. Total Actuarial Accrued Liability: $100,776,222, $17,929,703, $107,934,947, $529,567, $21,994,001, $350,211, $54,881,770
3. Actuarial value of assets: $88,687,711, $13,429,769, $95,926,322, $637,053, $14,116,004, $338,053, $48,785,519
4. Unfunded/(overfunded) actuarial accrued liability: $12,088,511, $4,499,934, $12,008,625, ($107,486), $7,877,997, $12,158, $6,096,251
5. Funded Ratio: 88.0%, 74.9%, 88.9%, 120.3%, 64.2%, 96.5%, 88.9%
6. Annual Payroll: $20,245,197, $5,693,991, $16,767,706, $485,711, $16,746,484, $43,494, $9,942,697

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 7.47%, 10.19%, 10.14%, 2.50%, 0.94%, 4.90%, 7.64%
- Prior Service: 3.59%, 4.49%, 4.31%, -1.39%, 3.30%, 1.59%, 4.78%
- Total Retirement: 11.06%, 14.68%, 14.45%, 1.11%, 4.24%, 6.49%, 12.42%
- Supplemental Death: 0.15%, 0.19%, 0.18%, 0.11%, 4.24%, 6.49%, 12.42%

**Supplemental Death**
- Normal Cost: 0.00%
- Prior Service: 0.00%
- Total Retirement: 0.00%
- Supplemental Death: 0.00%

**Statutory Maximum Rate (Total Retirement Only)**
- Normal Cost: N/A
- Prior Service: N/A
- Total Retirement: N/A
- Supplemental Death: N/A

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015: 27.0 years, 30.0 years, 27.0 years, 25.0 years, 21.0 years, 30.0 years, 18.0 years
- Number of annuitants: 165, 32, 180, 6, 62, 1, 123
- Number of active contributing members: 317, 112, 279, 15, 448, 2, 213
- Number of inactive members: 177, 49, 99, 10, 138, 0, 76
- Average age of contributing members: 42.6 years, 44.1 years, 41.2 years, 47.1 years, 43.1 years, 42.0 years, 44.6 years
- Average length of service of contributing members: 11.6 years, 11.2 years, 11.6 years, 4.3 years, 8.9 years, 9.7 years, 11.8 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Noncontributing Members: 32,009,181, 539,414, 0, 82,021, 1,213,453, 1,015, 1,297,914
   - Annuitants: 110,218,916, 3,618,065, 77,619, 450,800, 7,417,542, 27,222, 11,208,178
2. Total Actuarial Accrued Liability: $360,116,261, $8,064,920, $93,357, $2,894,988, $8,945,660, $17,183, $12,249,479
4. Unfunded/(overfunded) actuarial accrued liability: $81,777,672, $801,117, $22,252, $1,118,137, $1,528,118, ($10,039), $1,041,301
5. Funded Ratio: 77.3%, 90.1%, 76.2%, 61.4%, 82.9%, 158.4%, 91.5%
6. Annual Payroll: $68,995,992, $1,290,347, $39,849, $1,405,804, $1,899,194, $54,648, $4,670,996

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 9.44%, 5.75%, 1.59%, 3.04%, 9.05%, 1.80%, 7.33%
- Prior Service: 8.32%, 6.54%, 5.88%, 5.58%, 4.57%, -1.16%, 1.27%
- Total Retirement: 17.76%, 12.29%, 7.47%, 8.62%, 13.62%, 0.64%, 8.60%
- Supplemental Death: 0.18%, 0.33%, 0.17%, 0.18%, 0.19%, 0.06%, 0.00%
- Total Rate: 19.27%, 12.62%, 7.77%, 8.78%, 13.89%, 0.70%, 8.77%
- 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 1/2015: 21.0 years, 12.0 years, 12.0 years, 21.0 years, 30.0 years, 25.0 years, 30.0 years
- Number of annuitants: 431, 17, 2, 7, 29, 0, 20
- Number of active contributing members: 1,111, 17, 1, 37, 50, 2, 93
- Number of inactive members: 373, 22, 0, 8, 32, 1, 61
- Average age of contributing members: 43.9 years, 45.6 years, 48.4 years, 45.2 years, 39.7 years, 41.5 years, 43.4 years
- Average length of service of contributing members: 12.1 years, 12.6 years, 5.3 years, 11.7 years, 9.0 years, 2.9 years, 10.3 years
### TEXAS MUNICIPAL RETIREMENT SYSTEM

**ACTUARIAL VALUATION OF PARTICIPATING MUNICIPALITIES - DECEMBER 31, 2013**

#### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - b. Noncontributing Members: 30,282 584,074 625,230 42,463 873 34,055 564,569
   - c. Annuitants: 685,984 1,503,490 643,884 19,503 0 0 961,850

2. **Total Actuarial Accrued Liability**: $1,594,645 $4,009,150 $4,116,323 $373,957 $286,410 $55,483 $2,990,785

3. **Actuarial value of assets**: 1,213,902 4,189,718 4,149,859 361,301 244,079 41,763 2,132,189

4. **Unfunded/(overfunded) actuarial accrued liability**:
   - (2) - (3) $380,743 ($180,568) ($33,536) $12,656 $42,331 $13,720 $858,596

5. **Funded Ratio**: (3) / (2) 76.1% 104.5% 100.8% 96.6% 85.2% 75.3% 71.3%

6. **Annual Payroll**: $1,084,470 $950,187 $2,998,252 $585,141 $355,362 $90,894 $956,282

#### CITY CONTRIBUTION RATES FOR 2015

<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>5.18% 6.66%</td>
<td>2.20% 4.93%</td>
<td>1.03% 1.83%</td>
<td>2.79% 5.05%</td>
<td>3.80% 3.00%</td>
<td>3.44% 3.10%</td>
<td>3.01% 3.00%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>1.99% -2.20%</td>
<td>-0.07% 0.12%</td>
<td>0.13% 0.35%</td>
<td>0.31% 1.75%</td>
<td>1.88% 5.30%</td>
<td>1.92% 1.75%</td>
<td>3.01% 1.75%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>7.17% 4.64%</td>
<td>1.93% 7.05%</td>
<td>0.87% 1.75%</td>
<td>1.49% 1.75%</td>
<td>1.18% 5.30%</td>
<td>1.51% 1.75%</td>
<td>2.77% 1.75%</td>
</tr>
</tbody>
</table>

#### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**: 30.0 years 25.0 years 25.0 years 30.0 years 27.0 years 25.0 years 30.0 years
- **Number of annuitants**: 14 14 22 2 0 0 13
- **Number of active contributing members**: 35 30 93 11 6 3 27
- **Number of inactive members**: 30 11 47 6 1 12 37
- **Average age of contributing members**: 41.4 years 47.5 years 41.0 years 44.6 years 46.6 years 49.3 years 42.4 years
- **Average length of service of contributing members**: 7.0 years 9.1 years 7.2 years 13.3 years 9.6 years 3.4 years 6.8 years

---

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members: $6,339,635 $33,763,542 $1,660,032 $31,672,579 $1,140,157 $66,984 $38,660
   - b. Noncontributing Members: 1,578,978 9,571,232 743,344 2,295,791 54,680 64,332 41,012
   - c. Annuitants: 7,001,913 48,530,846 924,793 21,767,309 740,331 63,074 132,693

2. **Total Actuarial Accrued Liability**: $14,920,526 $91,865,620 $3,328,169 $55,735,679 $1,935,168 $194,390 $212,365

3. **Actuarial value of assets**: 13,479,177 93,820,533 3,283,938 51,300,323 2,048,815 138,333 185,275

4. **Unfunded/(overfunded) actuarial accrued liability**: (2) - (3) $1,441,349 ($1,954,913) $44,231 $4,435,356 ($113,647) $56,057 $27,090

5. **Funded Ratio**: (3) / (2) 90.3% 102.1% 98.7% 92.0% 105.9% 71.2% 87.2%

6. **Annual Payroll**: $5,329,922 $14,577,234 $1,098,141 $13,577,688 $920,897 $155,171 $119,943

#### CITY CONTRIBUTION RATES FOR 2015

- **Normal Cost**: 4.78% 4.70% 6.81% 6.86% 3.63% 2.11% 11.54%
- **Prior Service**: 1.53% -0.84% 0.25% 2.77% -0.78% 2.39% 1.28%
- **Total Retirement**: 6.31% 3.86% 7.06% 9.63% 2.85% 4.56% 12.82%
- **Supplemental Death**: 0.17% 0.00% 0.20% 0.22% 0.24% 0.32% 0.11%

- **Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**: 6.90% 4.29% 4.29% 4.29% 4.29% 4.29% 4.29%
- **Statutory Maximum Rate (Total Retirement Only)**: 9.50% 4.29% 4.29% 4.29% 4.29% 4.29% 4.29%

#### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**: 30.0 years 25.0 years 25.0 years 16.0 years 25.0 years 23.0 years 30.0 years
- **Number of annuitants**: 60 175 11 141 10 1 2
- **Number of active contributing members**: 114 175 11 141 10 1 2
- **Number of inactive members**: 84 175 11 93 9 4 2
- **Average age of contributing members**: 40.2 years 42.2 years 46.9 years 44.0 years 55.1 years 42.1 years
- **Average length of service of contributing members**: 8.2 years 8.0 years 10.4 years 7.6 years 7.0 years 2.0 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   
a. Contributing Members $263,406 $2,001,457 $102,751 $290,516 $110,095 $68,828,195 $3,900,936  
b. Noncontributing Members 58,948 260,368 4,241 60,846 84,593 5,153,213 691,577  
c. Annuitants 267,329 1,185,140 20,707 812,569 92,221 31,552,458 2,229,850  

2. **Total Actuarial Accrued Liability** $589,683 $3,446,965 $127,699 $1,163,931 $286,909 $105,533,866 $6,822,363  

3. **Actuarial value of assets** 585,340 2,925,724 134,602 1,049,429 226,884 72,479,705 5,274,273  

4. **Unfunded/(overfunded) actuarial accrued liability:** (2) - (3) $4,343 $521,241 ($6,903) $114,502 $60,025 $33,054,161 $1,548,090  

5. **Funded Ratio:** (3) / (2) 99.3% 84.9% 105.4% 90.2% 79.1% 68.7% 77.3%  

6. **Annual Payroll** $244,110 $1,426,878 $132,308 $411,116 $209,446 $27,409,136 $1,875,689  

### CITY CONTRIBUTION RATES FOR 2015

<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>Phased-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>5.93%</td>
<td>0.14%</td>
<td>6.07%</td>
<td>0.26%</td>
<td>6.33%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Prior Service</td>
<td>6.97%</td>
<td>0.14%</td>
<td>7.11%</td>
<td>0.29%</td>
<td>9.46%</td>
<td>9.28%</td>
<td>14.76%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>1.98%</td>
<td>1.39%</td>
<td>3.37%</td>
<td>0.35%</td>
<td>2.00%</td>
<td>1.20%</td>
<td>1.89%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>3.35%</td>
<td>3.35%</td>
<td>6.70%</td>
<td>0.35%</td>
<td>5.54%</td>
<td>0.14%</td>
<td>0.24%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>7.11%</td>
<td>1.39%</td>
<td>8.50%</td>
<td>0.35%</td>
<td>5.54%</td>
<td>1.20%</td>
<td>1.89%</td>
</tr>
<tr>
<td>Phased-In Rate</td>
<td>7.11%</td>
<td>1.39%</td>
<td>8.50%</td>
<td>0.35%</td>
<td>5.54%</td>
<td>1.20%</td>
<td>1.89%</td>
</tr>
<tr>
<td>Statutory Maximum Rate</td>
<td>3.35%</td>
<td>3.35%</td>
<td>6.70%</td>
<td>0.35%</td>
<td>5.54%</td>
<td>1.20%</td>
<td>1.89%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASSB 25 Equivalent Single Amortization Period as of 1/2015: 17.0 years 27.0 years 25.0 years 23.0 years 26.0 years 27.0 years 21.0 years
- Number of annuitants: 2, 15, 1, 12, 6, 173, 21
- Number of active contributing members: 8, 37, 4, 12, 6, 673, 46
- Average age of contributing members: 55 years, 9.7 years, 8.2 years, 6.8 years, 8.3 years, 10.6 years
### Summary of Actuarial Information

1. **Actuarial Accrued Liability**
   - Contributing Members:
     - $27,243,686
     - $97,206,870
     - $304,678
     - $3,121,900
     - $2,830,612
     - $1,626,967
     - $3,019,285
   - Noncontributing Members:
     - 1,771,679
     - 11,469,880
     - 59,011
     - 514,866
     - 617,682
     - 538,023
     - 811,481
   - Annuitants:
     - 26,869,443
     - 59,569,461
     - 165,273
     - 1,575,477
     - 777,189
     - 2,089,531
     - 333,414

2. **Total Actuarial Accrued Liability**
   - $55,884,808
   - $168,246,211
   - $528,962
   - $5,212,243
   - $4,225,483
   - $4,254,521
   - $4,120,919

3. **Actuarial Value of Assets**
   - $45,664,311
   - $142,209,128
   - $496,913
   - $4,449,673
   - $3,630,173
   - $4,756,818
   - $3,333,414

4. **Unfunded (Overfunded) Actuarial Accrued Liability**: ($2) - (3)
   - $10,220,497
   - $26,037,083
   - $32,049
   - $762,570
   - $595,310
   - ($502,297)
   - $787,505

5. **Funded Ratio**: (3) / (2)
   - 81.7%
   - 84.5%
   - 93.9%
   - 85.4%
   - 85.9%
   - 111.8%
   - 80.9%

6. **Annual Payroll**
   - $8,839,895
   - $25,575,006
   - $354,314
   - $1,621,610
   - $1,964,167
   - $1,607,228
   - $3,022,176

### City Contribution Rates for 2015

<table>
<thead>
<tr>
<th>Retirement</th>
<th>Normal Cost</th>
<th>Prior Service</th>
<th>Total Retirement</th>
<th>Suppl. Death</th>
<th>Total Rate</th>
<th>Phase-In Rate</th>
<th>Statutory Max Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retirement</td>
<td>11.27%</td>
<td>7.38%</td>
<td>18.55%</td>
<td>0.19%</td>
<td>18.74%</td>
<td>18.51%</td>
<td>N/A</td>
</tr>
<tr>
<td>Normal Cost</td>
<td>10.67%</td>
<td>3.88%</td>
<td>18.05%</td>
<td>0.00%</td>
<td>18.05%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Prior Service</td>
<td>1.19%</td>
<td>2.89%</td>
<td>4.08%</td>
<td>0.13%</td>
<td>4.21%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>10.03%</td>
<td>1.72%</td>
<td>11.75%</td>
<td>0.19%</td>
<td>11.94%</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Suppl. Death</td>
<td>5.70%</td>
<td>8.95%</td>
<td>8.77%</td>
<td>0.23%</td>
<td>10.00%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Rate</td>
<td>7.36%</td>
<td>1.48%</td>
<td>8.84%</td>
<td>0.14%</td>
<td>9.05%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Additional Information

**GASB 25 Equivalent Single Amortization Period as of 1/2015**
- 25.0 years
- 20.0 years
- 9.1 years
- 26.0 years
- 30.0 years
- 25.0 years
- 30.0 years

**Number of Annuitants**
- 109
- 172
- 5
- 18
- 7
- 21
- 4

**Number of Active Contributing Members**
- 166
- 371
- 11
- 40
- 38
- 21
- 51

**Number of Inactive Members**
- 37
- 126
- 10
- 35
- 24
- 23
- 23

**Average Age of Contributing Members**
- 44.4 years
- 43.9 years
- 40.7 years
- 42.5 years
- 42.7 years
- 45.0 years
- 41.4 years

**Average Length of Service of Contributing Members**
- 12.6 years
- 14.0 years
- 5.6 years
- 9.0 years
- 7.0 years
- 6.8 years
- 7.9 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members: $40,742, $945,935, $3,002,384, $147,485, $2,755,741, $57,910,211, $2,050,945
   - c. Annuitants: $35,189, $1,158,032, $560,894, $18,117, $2,292,548, $16,214,459, $2,288,764

2. Total Actuarial Accrued Liability: $75,931, $3,225,628, $3,869,538, $293,547, $5,742,980, $88,900,736, $4,390,719

3. Actuarial value of assets: $84,449, $2,846,967, $3,049,933, $283,329, $4,111,382, $80,162,691, $3,616,560

4. Unfunded/(overfunded) actuarial accrued liability: ($8,518), $378,661, $819,605, $10,218, $1,631,598, $8,738,045, $774,159

5. Funded Ratio: (3) / (2) = 111.2%, 88.3%, 78.8%, 96.5%, 71.6%, 90.2%, 82.4%

6. Annual Payroll: $48,278, $1,435,244, $807,700, $278,924, $2,029,918, $30,020,662, $1,013,630

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
- Normal Cost: 1.04%, 5.81%, 9.24%, 3.82%, 5.97%, 7.54%, 4.93%
- Prior Service: -1.04%, 1.50%, 8.60%, 0.21%, 4.94%, 1.65%, 5.20%
  - Total Retirement: 0.00%, 7.31%, 17.84%, 4.03%, 10.91%, 9.19%, 10.13%
- Supplemental Death: 0.00%, 0.23%, 0.18%, 0.12%, 0.00%, 0.12%, 0.36%
  - Total Rate: 0.00%, 7.54%, 18.02%, 4.15%, 10.91%, 9.31%, 10.49%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- N/A, 6.22%, N/A, 4.04%, N/A, N/A, N/A
  - N/A, 9.50%, N/A, 4.04%, N/A, 11.50%, 13.50%

#### Statutory Maximum Rate (Total Retirement Only)
- N/A, 9.50%, N/A, 4.04%, N/A, 11.50%, 13.50%

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
- 25.0 years, 30.0 years, 16.0 years, 30.0 years, 26.0 years, 30.0 years, 22.0 years

#### Number of annuitants
- 1, 18, 9, 2, 23, 131, 18

#### Number of active contributing members
- 1, 39, 19, 9, 53, 532, 21

#### Number of inactive members
- 0, 30, 7, 10, 30, 369, 6

#### Average age of contributing members
- 48.5 years, 43.5 years, 47.5 years, 42.0 years, 44.1 years, 40.5 years, 43.7 years

#### Average length of service of contributing members
- 10.3 years, 8.3 years, 13.2 years, 4.6 years, 7.3 years, 9.1 years, 11.5 years

---

### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members: $7,845,927, $10,196,069, $6,363,239, $269,167, $190,794, $20,588,064, $7,582,766
   - c. Annuitants: $6,269,459, $3,648,387, $6,303,085, $147,514, $187,349, $10,906,002, $9,223,328


3. Actuarial value of assets: $14,355,898, $10,663,406, $10,594,188, $484,821, $330,197, $29,217,821, $15,844,430


5. Funded Ratio: (3) / (2) = 81.6%, 73.3%, 75.9%, 108.7%, 79.6%, 87.3%, 77.6%

6. Annual Payroll: $4,145,898, $6,374,993, $4,585,147, $486,295, $438,050, $8,236,715, $5,162,508

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
- Normal Cost: 9.30%, 10.71%, 6.08%, 3.61%, 1.41%, 5.58%, 8.78%
- Prior Service: 4.44%, 3.47%, 4.52%, 0.50%, 1.09%, 4.19%, 5.12%
  - Total Retirement: 13.74%, 14.18%, 10.60%, 3.11%, 2.50%, 9.77%, 13.80%
- Supplemental Death: 0.13%, 0.10%, 0.26%, 0.00%, 0.24%, 0.23%, 0.16%
  - Total Rate: 13.87%, 14.28%, 10.86%, 3.11%, 2.74%, 10.00%, 13.96%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- 13.24%, 12.80%, N/A, 2.48%, N/A, N/A, 12.87%

#### Statutory Maximum Rate (Total Retirement Only)
- 13.50%, 13.50%, 11.50%, 11.50%, 11.50%, 11.50%

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
- 30.0 years, 30.0 years, 26.0 years, 30.0 years, 26.0 years, 30.0 years, 22.0 years

#### Number of annuitants
- 55, 17, 55, 2, 4, 71, 63

#### Number of active contributing members
- 75, 122, 108, 16, 13, 162, 117

#### Number of inactive members
- 65, 26, 52, 9, 4, 41, 101

#### Average age of contributing members
- 39.3 years, 38.7 years, 42.4 years, 43.3 years, 43.1 years, 46.4 years, 38.9 years

#### Average length of service of contributing members
- 8.2 years, 7.1 years, 7.1 years, 5.3 years, 6.4 years, 14.0 years, 5.7 years
### SUMMARY OF ACTUARIAL INFORMATION

#### 1. Actuarial Accrued Liability

<table>
<thead>
<tr>
<th></th>
<th>Freer</th>
<th>Friendswood</th>
<th>Friona</th>
<th>Frisco</th>
<th>Frich</th>
<th>Front</th>
<th>Fulshear</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Contributing Members</td>
<td>$432,705</td>
<td>$34,784,748</td>
<td>$2,110,773</td>
<td>$128,094,535</td>
<td>$251,480</td>
<td>$52,895</td>
<td>$287,350</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>68,375</td>
<td>6,950,057</td>
<td>541,681</td>
<td>10,610,670</td>
<td>410,226</td>
<td>5,407</td>
<td>5,496</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>302,561</td>
<td>16,607,135</td>
<td>1,682,756</td>
<td>31,337,748</td>
<td>1,071,707</td>
<td>187,075</td>
<td>0</td>
</tr>
<tr>
<td>Total Actuarial Accrued Liability</td>
<td>$803,641</td>
<td>$58,341,940</td>
<td>$4,335,210</td>
<td>$151,337,748</td>
<td>$1,071,707</td>
<td>$245,377</td>
<td>$129,684</td>
</tr>
</tbody>
</table>

#### 2. Total Actuarial Accrued Liability

|               | $803,641    | $58,341,940 | $4,335,210 | $151,337,748 | $1,071,707 | $245,377  | $129,684   |

#### 3. Actuarial value of assets

|               | $530,317    | $47,336,543 | $3,623,992 | $114,897,768 | $1,610,491 | $225,083  | $163,162   |

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

|               | $273,324    | $11,005,397 | $711,218   | $36,439,980  | ($538,784) | $20,294   | $129,684   |

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

|               | 66.0%       | 81.1%       | 86.6%      | 75.9%       | 91.7%       | 55.7%     |

#### 6. Annual Payroll

|               | $568,818    | $12,349,148 | $914,246   | $585,351,282 | $852,363   | $140,700  | $864,663   |

### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th></th>
<th>Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
<th>(Minimum Contribution), Incl.</th>
<th>Statutory Maximum Rate (Total Retirement Only)</th>
<th>N/A</th>
<th>N/A</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>3.39%</td>
<td>0.29%</td>
<td>6.41%</td>
<td>15.79%</td>
<td>12.38%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Prior Service</td>
<td>3.02%</td>
<td>0.32%</td>
<td>6.15%</td>
<td>13.15%</td>
<td>14.41%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Retirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total</td>
<td>6.70%</td>
<td>0.29%</td>
<td>6.41%</td>
<td>15.79%</td>
<td>12.38%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Phase-In Rate</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>
<td>N/A</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Fulton</th>
<th>Gainesville</th>
<th>Galena Park</th>
<th>Garden</th>
<th>Garden Ridge</th>
<th>Garland</th>
<th>Garrison</th>
</tr>
</thead>
<tbody>
<tr>
<td>GASB 25 Equivalent Single Amortization Period as of 1/2015</td>
<td>9.0 years</td>
<td>21.0 years</td>
<td>30.0 years</td>
<td>21.0 years</td>
<td>30.0 years</td>
<td>21.0 years</td>
<td>30.0 years</td>
</tr>
<tr>
<td>Number of annuitants</td>
<td>6</td>
<td>88</td>
<td>15</td>
<td>38.5 years</td>
<td>54.6 years</td>
<td>42.2 years</td>
<td>55.7 years</td>
</tr>
<tr>
<td>Number of active contributing members</td>
<td>6</td>
<td>88</td>
<td>15</td>
<td>38.5 years</td>
<td>54.6 years</td>
<td>42.2 years</td>
<td>55.7 years</td>
</tr>
<tr>
<td>Number of inactive members</td>
<td>3</td>
<td>82</td>
<td>37</td>
<td>38.5 years</td>
<td>54.6 years</td>
<td>42.2 years</td>
<td>55.7 years</td>
</tr>
<tr>
<td>Average age of contributing members</td>
<td>47.3 years</td>
<td>43.7 years</td>
<td>43.7 years</td>
<td>43.7 years</td>
<td>43.7 years</td>
<td>43.7 years</td>
<td>43.7 years</td>
</tr>
<tr>
<td>Average length of service of contributing members</td>
<td>62 years</td>
<td>11.8 years</td>
<td>10.2 years</td>
<td>2.9 years</td>
<td>3.4 years</td>
<td>5.5 years</td>
<td>5.5 years</td>
</tr>
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</table>

### ADDITIONAL INFORMATION

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<thead>
<tr>
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<th>168</th>
<th>168</th>
<th>168</th>
<th>168</th>
<th>168</th>
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</tr>
</thead>
<tbody>
<tr>
<td>GASB 25 Equivalent Single Amortization Period as of 1/2015</td>
<td>9.0 years</td>
<td>21.0 years</td>
<td>30.0 years</td>
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<td>10.2 years</td>
<td>2.9 years</td>
<td>3.4 years</td>
<td>5.5 years</td>
<td>5.5 years</td>
</tr>
</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   a. Contributing Members
      - Gary: $121,957
      - Gatesville: $8,618,006
      - George West: $845,184
      - Georgetown: $64,368,091
      - Giddings: $6,510,544
      - Gilmer: $4,521,944
      - Gladewater: $2,041,123
   b. Noncontributing Members
      - Gary: 2,591
      - Gatesville: 1,191,933
      - George West: 44,127
      - Georgetown: 7,672,122
      - Giddings: 738,036
      - Gilmer: 631,320
      - Gladewater: 1,215,156
   c. Annuitants
      - Gary: 228,724
      - Gatesville: 4,901,690
      - George West: 276,855
      - Georgetown: 23,407,122
      - Giddings: 4,752,058
      - Gilmer: 2,566,399
      - Gladewater: 2,263,168

2. **Total Actuarial Accrued Liability**: $353,272
3. **Actuarial value of assets**: $256,371
4. **Unfunded/(overfunded) actuarial accrued liability**: ($96,901)
5. **Funded Ratio**: 72.6%
6. **Annual Payroll**: $150,043

### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th>City</th>
<th>Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retirement</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gary</td>
<td>3.51%</td>
<td>0.00%</td>
<td>3.51%</td>
</tr>
<tr>
<td>Gatesville</td>
<td>9.42%</td>
<td>0.28%</td>
<td>9.70%</td>
</tr>
<tr>
<td>George West</td>
<td>6.25%</td>
<td>0.12%</td>
<td>6.37%</td>
</tr>
<tr>
<td>Georgetown</td>
<td>1.91%</td>
<td>0.12%</td>
<td>2.03%</td>
</tr>
<tr>
<td>Giddings</td>
<td>5.43%</td>
<td>0.12%</td>
<td>5.55%</td>
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<tr>
<td>Gilmer</td>
<td>15.67%</td>
<td>0.25%</td>
<td>15.92%</td>
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<tr>
<td>Gladewater</td>
<td>5.45%</td>
<td>0.25%</td>
<td>5.70%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

GASB 25 Equivalent Single Amortization Period as of 1/2015

- Glen Rose: 30.0 years
- Glenn Heights: 26.0 years
- Godley: 30.0 years
- Goldsmith: 27.0 years
- Goldthwaite: 20.0 years
- Goldsboro: 26.0 years
- Gonzales: 30.0 years

Average length of service of contributing members
- Glen Rose: 47.6 years
- Glenn Heights: 43.7 years
- Godley: 39.9 years
- Goldsmith: 41.7 years
- Goldthwaite: 45.5 years
- Goldsboro: 45.6 years
- Gonzales: 43.9 years

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   a. Contributing Members
      - Glen Rose: $949,883
      - Glenn Heights: $3,358,711
      - Godley: $131,254
      - Goldsmith: $138,241
      - Goldthwaite: $2,363,629
      - Goldsboro: $338,799
      - Gonzales: $6,323,143
   b. Noncontributing Members
      - Glen Rose: 400,447
      - Glenn Heights: 1,623,983
      - Godley: 45,886
      - Goldsmith: 81,729
      - Goldthwaite: 318,259
      - Goldsboro: 212,854
      - Gonzales: 1,830,053
   c. Annuitants
      - Glen Rose: 1,656,269
      - Glenn Heights: 1,514,351
      - Godley: 259,105
      - Goldsmith: 208,903
      - Goldthwaite: 3,692,363
      - Goldsboro: 1,731,817
      - Gonzales: 11,296,881

2. **Total Actuarial Accrued Liability**: $3,006,599
3. **Actuarial value of assets**: $2,431,958
4. **Unfunded/(overfunded) actuarial accrued liability**: ($574,641)
5. **Funded Ratio**: 80.9%
6. **Annual Payroll**: $922,748

### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th>City</th>
<th>Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retirement</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glen Rose</td>
<td>10.39%</td>
<td>0.29%</td>
<td>10.68%</td>
</tr>
<tr>
<td>Glenn Heights</td>
<td>3.26%</td>
<td>0.16%</td>
<td>3.42%</td>
</tr>
<tr>
<td>Godley</td>
<td>1.63%</td>
<td>0.19%</td>
<td>1.82%</td>
</tr>
<tr>
<td>Goldsmith</td>
<td>1.69%</td>
<td>0.22%</td>
<td>1.91%</td>
</tr>
<tr>
<td>Goldthwaite</td>
<td>8.17%</td>
<td>0.25%</td>
<td>8.42%</td>
</tr>
<tr>
<td>Goldsboro</td>
<td>9.88%</td>
<td>0.23%</td>
<td>10.11%</td>
</tr>
<tr>
<td>Gonzales</td>
<td>4.21%</td>
<td>0.25%</td>
<td>4.46%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

GASB 25 Equivalent Single Amortization Period as of 1/2015

- Glen Rose: 30.0 years
- Glenn Heights: 25.0 years
- Godley: 20.0 years
- Goldsmith: 15.9 years
- Goldthwaite: 11.7 years
- Goldsboro: 7.5 years
- Gonzales: 7.0 years

Average length of service of contributing members
- Glen Rose: 42.2 years
- Glenn Heights: 42.7 years
- Godley: 43.7 years
- Goldsmith: 41.7 years
- Goldthwaite: 49.3 years
- Goldsboro: 44.2 years
- Gonzales: 39.9 years

### ADDITIONAL INFORMATION

- 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 1/2015
- Number of annuities
- 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

<table>
<thead>
<tr>
<th></th>
<th>Graford</th>
<th>Graham</th>
<th>Granbury</th>
<th>Grand Prairie</th>
<th>Grand Saline</th>
<th>Grandview</th>
<th>Granger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actuarial Accrued Liability</td>
<td>$57,186</td>
<td>$5,411,166</td>
<td>$18,057,371</td>
<td>$243,721,796</td>
<td>$1,625,274</td>
<td>$57,300</td>
<td>$81,150</td>
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<td>a. Contributing Members</td>
<td>1,504</td>
<td>1,006,080</td>
<td>2,619,141</td>
<td>30,649,783</td>
<td>333,961</td>
<td>57,830</td>
<td>$472,945</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>0</td>
<td>8,908,046</td>
<td>11,585,275</td>
<td>176,513,419</td>
<td>602,547</td>
<td>432,158</td>
<td>169,251</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>0</td>
<td>8,908,046</td>
<td>11,585,275</td>
<td>176,513,419</td>
<td>602,547</td>
<td>432,158</td>
<td>169,251</td>
</tr>
<tr>
<td>Total Actuarial Accrued Liability</td>
<td>$85,690</td>
<td>$15,325,292</td>
<td>$32,261,788</td>
<td>$450,523,220</td>
<td>$2,561,782</td>
<td>$1,121,942</td>
<td>$329,116</td>
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<tr>
<td>Actuarial value of assets</td>
<td>51,511</td>
<td>12,162,757</td>
<td>24,585,819</td>
<td>376,082,419</td>
<td>2,331,402</td>
<td>1,168,511</td>
<td>405,294</td>
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<tr>
<td>Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</td>
<td>$7,179</td>
<td>$3,162,535</td>
<td>$7,675,969</td>
<td>$74,440,801</td>
<td>($230,380)</td>
<td>($46,569)</td>
<td>($76,178)</td>
</tr>
<tr>
<td>Funded Ratio: (3) / (2)</td>
<td>87.8%</td>
<td>79.4%</td>
<td>76.2%</td>
<td>83.5%</td>
<td>91.0%</td>
<td>104.2%</td>
<td>123.1%</td>
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<tr>
<td>Annual Payroll</td>
<td>$118,749</td>
<td>$3,480,926</td>
<td>$7,638,098</td>
<td>$72,354,884</td>
<td>$988,900</td>
<td>$666,549</td>
<td>$239,054</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
- Normal Cost: 1.85%
- Prior Service: 6.69%
- Total Retirement: 9.26%
- Supplemental Death: 9.43%

#### Supplemental Death
- Normal Cost: 4.63%
- Prior Service: -0.44%
- Total Retirement: 6.38%
- Supplemental Death: 4.86%

#### Total Rate
- Normal Cost: 5.30%
- Prior Service: -2.01%
- Total Retirement: 8.02%
- Supplemental Death: 0.00%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015:
  - 11.0 years
  - 26.0 years
  - 25.0 years
  - 22.0 years
  - 19.0 years
  - 25.0 years
  - 25.0 years

- Number of annuitants:
  - 0
  - 63
  - 63
  - 559
  - 11
  - 7
  - 4

- Number of active contributing members:
  - 3
  - 85
  - 161
  - 1,168
  - 23
  - 15
  - 6

- Number of inactive members:
  - 1
  - 31
  - 51
  - 362
  - 22
  - 9
  - 13

- Average age of contributing members:
  - 51.6 years
  - 45.1 years
  - 44.8 years
  - 42.9 years
  - 51.6 years
  - 41.1 years
  - 51.5 years

- Average length of service of contributing members:
  - 5.6 years
  - 7.9 years
  - 9.4 years
  - 12.3 years
  - 12.2 years
  - 5.8 years
  - 6.0 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members $128,044 $19,690,037 $97,075 $296,245 $1,651,335 $82,675 $154,764
   - Noncontributing Members 1,818 1,039,039 9,981 257,693 345,361 5,079 86,112
   - Annuitants 114,847 13,441,958 30,870 462,268 646,182 59,805 60,534

2. Total Actuarial Accrued Liability $244,709 $34,171,034 $137,926 $1,016,206 $2,642,878 $147,559 $301,410

3. Actuarial value of assets 257,339 32,635,985 147,523 992,956 2,408,098 198,275 205,417

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) ($12,630) $1,535,049 ($9,597) $23,250 $234,780 ($50,716) $95,993

5. Funded Ratio: (3) / (2) 105.2% 95.5% 107.0% 97.7% 91.1% 134.4% 68.2%

6. Annual Payroll $167,964 $6,066,855 $235,909 $299,225 $1,680,214 $431,654 $386,220

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
   - Normal Cost 3.20% 7.08% 1.64% 7.61% 4.69% 4.23% 1.44%
   - Prior Service -0.47% 2.50% -0.26% 0.44% 0.79% -0.74% 1.41%
   - Total Retirement 2.73% 9.58% 1.38% 8.05% 5.48% 3.49% 2.85%
   - Supplemental Death 0.00% 0.00% 0.15% 0.00% 0.19% 0.11% 0.14%
   - Total Rate 2.73% 9.58% 1.53% 8.05% 5.67% 3.60% 2.99%

#### 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 1/2015: 25.0 years 13.0 years 25.0 years 30.0 years 30.0 years 25.0 years 30.0 years

Number of annuitants: 3 78 2 3 12 3 1

Number of active contributing members: 5 98 10 5 46 8 10

Number of inactive members: 1 21 1 9 24 4 6

Average age of contributing members: 57.2 years 45.5 years 52.8 years 42.9 years 44.3 years 40.6 years 45.2 years

Average length of service of contributing members: 7.7 years 16.1 years 45.8 years 1.3 years 42.9 years 7.4 years 56.8 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members: $36,221,665
   - Noncontributing Members: $7,912,858
   - Annuitants: $37,280,341
   - Total: $81,414,864

2. Total Actuarial Accrued Liability: $81,414,864

3. Actuarial value of assets: $77,439,284

4. Unfunded/(overfunded) actuarial accrued liability: ($2,374,320)

5. Funded Ratio: 66.1%

6. Annual Payroll: $11,917,471

### CITY CONTRIBUTION RATES FOR 2015

<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>8.36%</td>
<td>-0.61%</td>
<td>0.75%</td>
<td>0.30%</td>
<td>8.37%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Prior Service</td>
<td>4.22%</td>
<td>1.69%</td>
<td>0.76%</td>
<td>0.50%</td>
<td>5.00%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>12.58%</td>
<td>2.34%</td>
<td>3.09%</td>
<td>0.80%</td>
<td>16.05%</td>
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<td>N/A</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015: 27.0 years
- Number of annuitants: 287
- Average age of contributing members: 47.3 years
- Average length of service of contributing members: 15.7 years

### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members: $3,366,984
   - Noncontributing Members: $959,951
   - Annuitants: $2,675,041
   - Total: $7,001,976

2. Total Actuarial Accrued Liability: $7,001,976

3. Actuarial value of assets: $4,627,656

4. Unfunded/(overfunded) actuarial accrued liability: $2,374,320

5. Funded Ratio: 66.1%

6. Annual Payroll: $1,925,883

### CITY CONTRIBUTION RATES FOR 2015

<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>8.36%</td>
<td>9.31%</td>
<td>2.07%</td>
<td>0.24%</td>
<td>10.61%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Prior Service</td>
<td>4.22%</td>
<td>0.19%</td>
<td>0.24%</td>
<td>0.19%</td>
<td>5.35%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Retirement: 14.58%</td>
<td>10.50%</td>
<td>2.30%</td>
<td>0.43%</td>
<td>0.58%</td>
<td>17.01%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015: 27.0 years
- Number of annuitants: 24
- Average age of contributing members: 44.1 years
- Average length of service of contributing members: 7.9 years
<table>
<thead>
<tr>
<th>Municipality</th>
<th>Henderson</th>
<th>Henrietta</th>
<th>Hereford</th>
<th>Hewitt</th>
<th>Hickory Creek</th>
<th>Hico</th>
<th>Hidalgo</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>$13,654,683</td>
<td>$589,395</td>
<td>$8,797,568</td>
<td>$7,596,970</td>
<td>$1,966,267</td>
<td>$238,280</td>
<td>$9,604,081</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>2,171,796</td>
<td>412,068</td>
<td>1,769,337</td>
<td>1,291,894</td>
<td>235,870</td>
<td>316,859</td>
<td>361,234</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>16,927,469</td>
<td>1,219,290</td>
<td>4,568,252</td>
<td>2,273,349</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Total Actuarial Accrued Liability</td>
<td>$26,799,048</td>
<td>$2,221,383</td>
<td>$17,135,157</td>
<td>$13,760,604</td>
<td>$2,327,870</td>
<td>$781,613</td>
<td>$13,689,086</td>
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<tr>
<td>3. Actuarial value of assets</td>
<td>$20,272,605</td>
<td>$1,643,453</td>
<td>$14,198,347</td>
<td>$10,413,475</td>
<td>$1,720,453</td>
<td>$840,245</td>
<td>$10,807,824</td>
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<tr>
<td>4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</td>
<td>($6,526,443)</td>
<td>($577,930)</td>
<td>($2,936,810)</td>
<td>($3,347,129)</td>
<td>($607,417)</td>
<td>($58,632)</td>
<td>$2,881,262</td>
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<tr>
<td>5. Funded Ratio: (3) / (2)</td>
<td>75.6%</td>
<td>74.0%</td>
<td>82.9%</td>
<td>75.7%</td>
<td>73.9%</td>
<td>107.5%</td>
<td>79.0%</td>
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<tr>
<td>6. Annual Payroll</td>
<td>$5,552,658</td>
<td>$623,866</td>
<td>$4,321,590</td>
<td>$3,571,940</td>
<td>$1,061,899</td>
<td>$370,416</td>
<td>$4,667,519</td>
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</table>

**CITY CONTRIBUTION RATES FOR 2015**

<table>
<thead>
<tr>
<th>Phase</th>
<th>Henderson</th>
<th>Henrietta</th>
<th>Hereford</th>
<th>Hewitt</th>
<th>Hickory Creek</th>
<th>Hico</th>
<th>Hidalgo</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Normal Cost</td>
<td>7.33%</td>
<td>9.82%</td>
<td>6.29%</td>
<td>10.00%</td>
<td>9.65%</td>
<td>5.87%</td>
<td>8.65%</td>
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<tr>
<td>Prior Service</td>
<td>0</td>
<td></td>
<td>4.33%</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Retirement</td>
<td>13.13%</td>
<td>15.08%</td>
<td>10.67%</td>
<td>13.25%</td>
<td>12.96%</td>
<td>4.87%</td>
<td>12.98%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.18%</td>
<td>0.22%</td>
<td>0.19%</td>
<td>0.12%</td>
<td>0.15%</td>
<td>0.34%</td>
<td></td>
</tr>
<tr>
<td>Total Rate</td>
<td>13.31%</td>
<td>15.30%</td>
<td>10.86%</td>
<td>13.35%</td>
<td>13.05%</td>
<td>5.21%</td>
<td>12.98%</td>
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<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
<td>15.16%</td>
<td>15.06%</td>
<td>10.86%</td>
<td>13.35%</td>
<td>13.05%</td>
<td>5.21%</td>
<td>12.98%</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**

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<thead>
<tr>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2015</th>
<th>Henderson</th>
<th>Henrietta</th>
<th>Hereford</th>
<th>Hewitt</th>
<th>Hickory Creek</th>
<th>Hico</th>
<th>Hidalgo</th>
</tr>
</thead>
<tbody>
<tr>
<td>25.0 years</td>
<td>30.0 years</td>
<td>24.0 years</td>
<td>30.0 years</td>
<td>30.0 years</td>
<td>25.0 years</td>
<td>21.0 years</td>
<td></td>
</tr>
<tr>
<td>Number of annuitants</td>
<td>68</td>
<td>10</td>
<td>37</td>
<td>22</td>
<td>4</td>
<td>4</td>
<td>20</td>
</tr>
<tr>
<td>Number of active contributing members</td>
<td>115</td>
<td>17</td>
<td>89</td>
<td>78</td>
<td>20</td>
<td>11</td>
<td>120</td>
</tr>
<tr>
<td>Number of inactive members</td>
<td>51</td>
<td>14</td>
<td>26</td>
<td>16</td>
<td>8</td>
<td>7</td>
<td>4</td>
</tr>
<tr>
<td>Average age of contributing members</td>
<td>39.1 years</td>
<td>47.5 years</td>
<td>41.6 years</td>
<td>39.8 years</td>
<td>40.3 years</td>
<td>48.5 years</td>
<td>43.5 years</td>
</tr>
<tr>
<td>Average length of service of contributing members</td>
<td>9.8 years</td>
<td>6.4 years</td>
<td>10.6 years</td>
<td>9.3 years</td>
<td>9.4 years</td>
<td>4.5 years</td>
<td>8.1 years</td>
</tr>
</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th>Municipality</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: (2) - (3)</th>
<th>Funded Ratio: (3) / (2)</th>
<th>Annual Payroll</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hollywood</td>
<td>$325,933</td>
<td>$2,068,199</td>
<td>$0</td>
<td>$402,031</td>
<td>$433,069</td>
<td>($31,038)</td>
<td>107.7%</td>
<td>$367,097</td>
</tr>
<tr>
<td>Park</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hondo</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Honey Grove</td>
<td>$433,069</td>
<td>$2,068,199</td>
<td>$0</td>
<td>$402,031</td>
<td>$433,069</td>
<td>($31,038)</td>
<td>107.7%</td>
<td>$367,097</td>
</tr>
<tr>
<td>Hooks</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Howe</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hubbard</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th>Municipality</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</th>
<th>Total Rate (Minimum Contribution, Incl. Supplemental Death)</th>
<th>Statutory Maximum Rate (Total Retirement Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hollywood</td>
<td>2.45%</td>
<td>-0.53%</td>
<td>1.92%</td>
<td>0.00%</td>
<td>1.92%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Park</td>
<td>6.37%</td>
<td>2.57%</td>
<td>9.84%</td>
<td>0.14%</td>
<td>9.98%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Hondo</td>
<td>6.40%</td>
<td>2.96%</td>
<td>9.36%</td>
<td>0.21%</td>
<td>9.57%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Honey Grove</td>
<td>6.27%</td>
<td>1.63%</td>
<td>7.90%</td>
<td>0.25%</td>
<td>8.15%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Hooks</td>
<td>1.86%</td>
<td>-0.85%</td>
<td>1.06%</td>
<td>0.30%</td>
<td>1.36%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Howe</td>
<td>5.29%</td>
<td>-0.51%</td>
<td>4.78%</td>
<td>0.27%</td>
<td>5.00%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Hubbard</td>
<td>1.18%</td>
<td>-0.64%</td>
<td>0.54%</td>
<td>0.21%</td>
<td>0.75%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th>Municipality</th>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2015</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>Hollywood</td>
<td>25.0 years</td>
<td>0</td>
<td>10</td>
<td>6</td>
<td>45.2 years</td>
<td>8.4 years</td>
</tr>
<tr>
<td>Park</td>
<td>30.0 years</td>
<td>16</td>
<td>30</td>
<td>18</td>
<td>40.8 years</td>
<td>9.0 years</td>
</tr>
<tr>
<td>Hondo</td>
<td>30.0 years</td>
<td>43</td>
<td>103</td>
<td>50</td>
<td>43.7 years</td>
<td>8.1 years</td>
</tr>
<tr>
<td>Honey Grove</td>
<td>30.0 years</td>
<td>3</td>
<td>11</td>
<td>10</td>
<td>48.1 years</td>
<td>10.0 years</td>
</tr>
<tr>
<td>Hooks</td>
<td>19.0 years</td>
<td>3</td>
<td>11</td>
<td>10</td>
<td>43.2 years</td>
<td>8.0 years</td>
</tr>
<tr>
<td>Howe</td>
<td>25.0 years</td>
<td>14</td>
<td>17</td>
<td>19</td>
<td>44.2 years</td>
<td>10.6 years</td>
</tr>
<tr>
<td>Hubbard</td>
<td>25.0 years</td>
<td>11</td>
<td>249</td>
<td>107</td>
<td>42.3 years</td>
<td>6.4 years</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th>Municipality</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</th>
<th>Total Rate (Minimum Contribution, Incl. Supplemental Death)</th>
<th>Statutory Maximum Rate (Total Retirement Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hudson</td>
<td>3.19%</td>
<td>-0.02%</td>
<td>3.17%</td>
<td>0.14%</td>
<td>3.31%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Hudson Oaks</td>
<td>9.84%</td>
<td>3.72%</td>
<td>13.56%</td>
<td>0.09%</td>
<td>13.65%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Hughes Springs</td>
<td>9.32%</td>
<td>8.10%</td>
<td>17.42%</td>
<td>0.21%</td>
<td>17.63%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Humble</td>
<td>9.14%</td>
<td>4.86%</td>
<td>14.00%</td>
<td>0.16%</td>
<td>14.16%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Hunters Creek Village</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Huntington</td>
<td>9.84%</td>
<td>4.41%</td>
<td>14.25%</td>
<td>0.42%</td>
<td>14.67%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Huntsville</td>
<td>9.53%</td>
<td>5.33%</td>
<td>15.08%</td>
<td>0.18%</td>
<td>15.26%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th>Municipality</th>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2015</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>Hudson</td>
<td>25.0 years</td>
<td>0</td>
<td>2</td>
<td>8</td>
<td>42.4 years</td>
<td>6.4 years</td>
</tr>
<tr>
<td>Hudson Oaks</td>
<td>30.0 years</td>
<td>2</td>
<td>8</td>
<td>3</td>
<td>36.7 years</td>
<td>7.3 years</td>
</tr>
<tr>
<td>Hughes Springs</td>
<td>3.0 years</td>
<td>17</td>
<td>23</td>
<td>3</td>
<td>37.6 years</td>
<td>17.6 years</td>
</tr>
<tr>
<td>Humble</td>
<td>23.0 years</td>
<td>17</td>
<td>23</td>
<td>3</td>
<td>42.5 years</td>
<td>14.4 years</td>
</tr>
<tr>
<td>Hunters Creek Village</td>
<td></td>
<td>17</td>
<td>23</td>
<td>3</td>
<td>49.6 years</td>
<td>14.5 years</td>
</tr>
<tr>
<td>Huntington</td>
<td>30.0 years</td>
<td>4</td>
<td>16</td>
<td>1</td>
<td>41.3 years</td>
<td>11.5 years</td>
</tr>
<tr>
<td>Huntsville</td>
<td>22.9 years</td>
<td>4</td>
<td>16</td>
<td>1</td>
<td>41.5 years</td>
<td>11.5 years</td>
</tr>
</tbody>
</table>
## SUMMARY OF ACTUARIAL INFORMATION

### 1. Actuarial Accrued Liability
   - **a. Contributing Members**: $65,635,323, $3,090,426, $5,954,456, $237,588, $288,481, $4,551,696, $318,865
   - **b. Noncontributing Members**: $10,489,895, $1,054,563, $1,672,394, $89,518, $34,796, $883,920, $89,885
   - **c. Annuitants**: $55,146,538, $820,078, $1,600,817, $0, $0, $2,665,920, $0
   - **Total Actuarial Accrued Liability**: $131,564,756, $4,965,067, $8,627,667, $645,810, $323,277, $8,101,576, $613,015

### 2. Actuarial value of assets: $123,711,122, $4,753,519, $6,969,608, $781,710, $260,234, $6,719,641, $553,020

### 3. Unfunded/(overfunded) actuarial accrued liability: **(2) - (3)**: $7,853,634, $211,548, $1,658,059, ($135,900), $63,043, $1,381,935, $59,995

### 4. Funded Ratio: **(3)/(2)**: 94.0%, 95.7%, 80.8%, 121.0%, 80.5%, 82.9%, 90.2%


### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
   - **Normal Cost**: 7.45%, 6.46%, 11.44%, 2.14%, 3.33%, 7.41%, 4.37%
   - **Prior Service**: 2.66%, 0.49%, 1.96%, -2.14%, 0.62%, 2.93%, 0.75%
   - **Total Retirement** 10.11%, 6.95%, 13.40%, 0.00%, 3.95%, 10.34%, 5.12%
   - **Supplemental Death**: 0.00%, 0.12%, 0.12%, 0.20%, 0.08%, 0.26%, 0.00%
   - **Total Rate**: 10.11%, 7.07%, 13.52%, 0.20%, 4.03%, 10.60%, 5.12%

#### Phase-in Rate (Minimum Contribution), Incl. Supplemental Death
   - **N/A**, 6.45%, 11.47%, N/A, N/A, 10.27%, 5.03%

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

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
   - **Iowa Park**: 18.7 years, 30.0 years, 30.0 years, 39.4 years, 30.0 years, 30.0 years, 30.0 years
   - **Jessen**: 215, 13, 12, 5, 0, 28, 8
   - **Irving**: 342, 57, 82, 9, 13, 72, 13
   - **Italy**: 136, 50, 42, 4, 13, 51, 7
   - **Jasper**: 41.9 years, 39.8 years, 40.0 years, 37.9 years, 40.4 years, 46.7 years, 47.8 years
   - **Average length of service of contributing members**: 12.7 years, 8.4 years, 8.2 years, 8.9 years, 5.9 years, 10.5 years, 6.7 years

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
   - **Jacksboro**: 18.7 years, 30.0 years, 30.0 years, 39.4 years, 30.0 years, 30.0 years, 30.0 years
   - **Jacksboro**: 215, 13, 12, 5, 0, 28, 8
   - **Irving**: 342, 57, 82, 9, 13, 72, 13
   - **Italy**: 136, 50, 42, 4, 13, 51, 7
   - **Jasper**: 41.9 years, 39.8 years, 40.0 years, 37.9 years, 40.4 years, 46.7 years, 47.8 years
   - **Average length of service of contributing members**: 12.7 years, 8.4 years, 8.2 years, 8.9 years, 5.9 years, 10.5 years, 6.7 years

---

**Continued**
## 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>
</tr>
</thead>
<tbody>
<tr>
<td>Jacksonville</td>
<td>$13,030,892</td>
<td>$8,864,777</td>
<td>$10,250,162</td>
</tr>
<tr>
<td>Jasper</td>
<td>$708,304</td>
<td>$122,493</td>
<td>$89,8%</td>
</tr>
<tr>
<td>Jefferson</td>
<td>$9,733,665</td>
<td>$2,479,105</td>
<td>$77.7%</td>
</tr>
<tr>
<td>Jersey Village</td>
<td>$484,010</td>
<td>$6,596,093</td>
<td>$61.9%</td>
</tr>
<tr>
<td>Jourdanton</td>
<td>$84,088</td>
<td>$434,181</td>
<td>$68,088</td>
</tr>
<tr>
<td>Justin (City)</td>
<td>$808,662</td>
<td>$149,435</td>
<td>$75.9%</td>
</tr>
</tbody>
</table>

**2. Total Actuarial Accrued Liability**

| City               | $24,584,183          | $21,776,904             | $1,500,819  |

**3. Actuarial value of assets**

| City               | $20,722,537          | $19,561,214             | $1,320,334  |

**4. Unfunded/(overfunded) actuarial accrued liability**

| City               | $3,861,646           | $2,215,690              | $180,485    |

**5. Funded Ratio**

| City               | 84.3%                | 89.8%                   | 88.0%       |

**6. Annual Payroll**

| City               | $5,481,883           | $4,835,727              | $624,564    |

## CITY CONTRIBUTION RATES FOR 2015

**Retirement**

<table>
<thead>
<tr>
<th>City</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)</th>
<th>Total Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jacksonville</td>
<td>7.09%</td>
<td>2.14%</td>
<td>10.46%</td>
<td>4.79%</td>
<td>15.25%</td>
<td>3.78%</td>
<td>9.41%</td>
</tr>
<tr>
<td>Jasper</td>
<td>4.82%</td>
<td>2.09%</td>
<td>6.91%</td>
<td>2.09%</td>
<td>8.49%</td>
<td>3.84%</td>
<td>9.26%</td>
</tr>
<tr>
<td>Jefferson</td>
<td>9.03%</td>
<td>4.23%</td>
<td>13.26%</td>
<td>2.09%</td>
<td>8.26%</td>
<td>3.90%</td>
<td>9.15%</td>
</tr>
<tr>
<td>Jersey Village</td>
<td>2.14%</td>
<td>15.43%</td>
<td>17.57%</td>
<td>2.09%</td>
<td>8.49%</td>
<td>3.84%</td>
<td>9.26%</td>
</tr>
<tr>
<td>Jourdanton</td>
<td>11.54%</td>
<td>4.47%</td>
<td>16.01%</td>
<td>2.09%</td>
<td>8.49%</td>
<td>3.84%</td>
<td>9.26%</td>
</tr>
<tr>
<td>Justin (City)</td>
<td>4.82%</td>
<td>2.09%</td>
<td>6.91%</td>
<td>2.09%</td>
<td>8.49%</td>
<td>3.84%</td>
<td>9.26%</td>
</tr>
</tbody>
</table>

**Supplemental Death**

| City               | 0.21%       | 0.22%         | 0.24%             | 0.18%             | 0.24%      | 0.56%                                 | 0.15%      |

**Total**

| City               | 11.54%      | 4.47%         | 15.25%            | 2.09%             | 8.49%      | 3.90%                                 | 9.15%      |

## ADDITIONAL INFORMATION

**GASB 25 Equivalent Single Amortization Periods as of 1/2015**

<table>
<thead>
<tr>
<th>City</th>
<th>27.0 years</th>
<th>14.3 years</th>
<th>20.0 years</th>
<th>30.0 years</th>
<th>25.0 years</th>
<th>30.0 years</th>
<th>25.0 years</th>
</tr>
</thead>
</table>

**Number of annuitants**

| City               | 82         | 75         | 8          | 30         | 2          | 3          | 5          |

**Number of active contributing members**

| City               | 123        | 110        | 18         | 97         | 7          | 7          | 12         |

**Number of inactive members**

| City               | 53         | 41         | 16         | 51         | 3          | 3          | 8          |

**Average age of contributing members**

| City               | 42.3 years | 43.4 years | 48.2 years | 44.5 years | 49.2 years | 57.4 years | 45.3 years |

**Average length of service of contributing members**

| City               | 11.1 years | 10.0 years | 11.0 years | 108 years  | 9.6 years  | 9.0 years  | 7.7 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>
</tr>
</thead>
<tbody>
<tr>
<td>Jones Creek</td>
<td>$254,900</td>
<td>$596,851</td>
<td>$89,237</td>
</tr>
<tr>
<td>Jonestown</td>
<td>$166,758</td>
<td>$166,758</td>
<td>$166,758</td>
</tr>
<tr>
<td>Josephine</td>
<td>$1,351,755</td>
<td>$1,351,755</td>
<td>$1,351,755</td>
</tr>
<tr>
<td>Jordan</td>
<td>$1,006,879</td>
<td>$1,006,879</td>
<td>$1,006,879</td>
</tr>
<tr>
<td>Junction</td>
<td>$1,160,735</td>
<td>$1,160,735</td>
<td>$1,160,735</td>
</tr>
<tr>
<td>Justin (City)</td>
<td>$609,800</td>
<td>$609,800</td>
<td>$609,800</td>
</tr>
</tbody>
</table>

**2. Total Actuarial Accrued Liability**

| City               | $344,137             | $927,902                | $166,758   |

**3. Actuarial value of assets**

| City               | $287,200             | $797,902                | $1,351,755 |

**4. Unfunded/(overfunded) actuarial accrued liability**

| City               | $56,937              | $134,829                | $6,246     |

**5. Funded Ratio**

| City               | 83.5%                | 85.5%                   | 96.3%      |

**6. Annual Payroll**

| City               | $235,823             | $1,160,868              | $169,580   |

## CITY CONTRIBUTION RATES FOR 2015

**Retirement**

<table>
<thead>
<tr>
<th>City</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)</th>
<th>Total Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jones Creek</td>
<td>3.81%</td>
<td>5.68%</td>
<td>9.49%</td>
<td>4.96%</td>
<td>8.06%</td>
<td>12.44%</td>
<td>9.82%</td>
</tr>
<tr>
<td>Jonestown</td>
<td>4.60%</td>
<td>7.08%</td>
<td>11.68%</td>
<td>6.52%</td>
<td>10.16%</td>
<td>17.14%</td>
<td>12.87%</td>
</tr>
<tr>
<td>Josephine</td>
<td>5.68%</td>
<td>10.86%</td>
<td>16.54%</td>
<td>9.52%</td>
<td>15.06%</td>
<td>23.12%</td>
<td>18.71%</td>
</tr>
<tr>
<td>Jordan</td>
<td>5.68%</td>
<td>10.86%</td>
<td>16.54%</td>
<td>9.52%</td>
<td>15.06%</td>
<td>23.12%</td>
<td>18.71%</td>
</tr>
<tr>
<td>Junction</td>
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<td>10.86%</td>
<td>16.54%</td>
<td>9.52%</td>
<td>15.06%</td>
<td>23.12%</td>
<td>18.71%</td>
</tr>
<tr>
<td>Justin (City)</td>
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<td>10.86%</td>
<td>16.54%</td>
<td>9.52%</td>
<td>15.06%</td>
<td>23.12%</td>
<td>18.71%</td>
</tr>
</tbody>
</table>

**Supplemental Death**

| City               | 0.35%       | 0.20%         | 0.12%           | 0.09%             | 0.35%      | 0.12%                                | 0.09%      |

**Total**

| City               | 6.12%       | 5.46%         | 5.98%           | 5.03%             | 6.35%      | 5.30%                                | 6.09%      |

**Additional Information**

<table>
<thead>
<tr>
<th>GASB 25 Equivalent Single Amortization Periods as of 1/2015</th>
<th>17.0 years</th>
<th>30.0 years</th>
<th>30.0 years</th>
<th>25.0 years</th>
<th>30.0 years</th>
<th>30.0 years</th>
</tr>
</thead>
</table>

| Number of contributors | 2          | 5          | 0          | 4          | 11         | 12         |

**Average age of contributors**

| City               | 53.9 years | 47.2 years | 49.2 years | 42.2 years | 48.7 years | 49.5 years |

**Average length of service of contributors**

| City               | 13.3 years | 6.8 years  | 11.2 years | 8.1 years  | 6.5 years  | 13.5 years |

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

1. **Actuarial Accrued Liability**
   - a. Contributing Members $770,633 $23,967,579 $6,400,205 $5,802,484 $49,573,570 $2,139,630 $78,904
   - b. Noncontributing Members 291,946 1,559,059 759,681 743,712 9,174,387 461,677 190,846

2. **Total Actuarial Accrued Liability** $1,900,695 $35,111,666 $11,098,906 $8,231,089 $74,002,827 $3,239,823 $506,905

3. **Actuarial value of assets** 1,645,918 29,219,249 8,744,936 5,951,438 58,481,266 3,189,215 668,113

4. **Unfunded/(overfunded) actuarial accrued liability:** 2) - (3) $254,777 $5,892,417 $2,353,970 $2,279,651 $15,521,561 $50,608 ($161,208)

5. **Funded Ratio:** (3) / (2) 86.6% 83.2% 78.8% 72.3% 79.0% 98.4% 131.8%

### CITY CONTRIBUTION RATES FOR 2015

- **Retirement**
  - Normal Cost 3.43% 11.16% 10.12% 8.41% 10.32% 5.13% 1.77%
  - Prior Service 1.53% 4.38% 5.04% 6.06% 5.21% 0.15% -1.77%
  - Total Retirement 4.96% 15.54% 15.16% 14.47% 15.53% 5.28% 0.00%
  - Supplemental Death 0.20% 0.21% 0.22% 0.18% 0.14% 0.14% 0.12%
  - Total Rate 5.16% 15.75% 15.38% 14.62% 15.67% 5.40% 0.00%
- **Phase-In Rate (Minimum Contribution), Incl. Supplemental Death** 4.90% N/A 15.14% N/A N/A 4.90% N/A
- **Statutory Maximum Rate (Total Retirement Only)** N/A N/A N/A N/A N/A N/A 7.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015** 30.0 years 27.0 years 30.0 years 24.0 years 26.0 years 30.0 years 25.0 years
- **Number of annuitants** 9 43 32 14 83 8 8
- **Number of active contributing members** 27 148 60 53 291 36 7
- **Number of inactive members** 9 35 38 28 139 23 20
- **Average age of contributing members** 44.9 years 44.5 years 43.6 years 41.5 years 42.8 years 41.9 years 44.8 years
- **Average length of service of contributing members** 7.1 years 11.2 years 11.9 years 9.3 years 12.3 years 11.7 years 3.9 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members $788,246 $5,682,450 $3,159,457 $31,931,441 $10,328,166 $16,300,614 $78,044,915
   - b. Noncontributing Members 506,579 3,231,806 1,539,151 5,637,374 4,173,162 1,932,429 7,343,107
   - c. Annuitants 357,856 2,278,174 4,640,658 24,318,448 6,542,887 20,681,271 58,492,740

2. **Total Actuarial Accrued Liability** $1,652,681 $11,192,430 $9,339,266 $61,887,263 $21,044,215 $38,914,314 $143,880,762

3. **Actuarial value of assets** 1,466,512 9,076,228 6,813,805 58,437,964 18,992,574 30,859,146 127,723,538

4. **Unfunded/(overfunded) actuarial accrued liability:** 2) - (3) $186,169 $2,116,202 $2,525,461 $3,449,299 $2,051,641 $8,055,168 $16,157,224

5. **Funded Ratio:** (3) / (2) 88.7% 81.1% 73.0% 94.4% 90.3% 79.3% 88.8%

### CITY CONTRIBUTION RATES FOR 2015

- **Retirement**
  - Normal Cost 3.10% 11.14% 7.71% 7.26% 8.47% 9.43% 4.96%
  - Prior Service 1.15% 3.30% 7.37% 1.33% 3.32% 6.56% 2.79%
  - Total Retirement 4.25% 14.44% 15.08% 8.59% 11.79% 15.99% 7.35%
  - Supplemental Death 0.20% 0.21% 0.22% 0.18% 0.21% 0.22% 0.15%
  - Total Rate 4.42% 14.65% 15.28% 8.77% 12.09% 16.21% 7.90%
- **Phase-In Rate (Minimum Contribution), Incl. Supplemental Death** 4.05% 12.99% N/A N/A N/A N/A N/A
- **Statutory Maximum Rate (Total Retirement Only)** N/A N/A N/A N/A N/A N/A 13.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015** 30.0 years 30.0 years 30.0 years 30.0 years 27.0 years 29.0 years 17.4 years
- **Number of annuitants** 7 22 28 184 27 111 374
- **Number of active contributing members** 37 67 55 293 58 157 1,026
- **Number of inactive members** 11 85 58 149 64 313 1,032
- **Average age of contributing members** 45.7 years 41.9 years 42.0 years 43.3 years 44.7 years 43.5 years 41.6 years
- **Average length of service of contributing members** 7.0 years 11.6 years 5.7 years 10.1 years 13.0 years 9.1 years 10.3 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members: $22,516,218, $3,391,795, $509,441, $80,818, $371,920, $208,280, $66,396
   - Noncontributing Members: 4,888,376, 1,126,699, 120,941, 207,001, 127,591, 2,911, 33,452
   - Annuitants: 23,352,080, 1,837,068, 1,098,265, 136,863, 20,027, 96,679, 0

2. **Total Actuarial Accrued Liability**: $50,756,674, $6,355,562, $1,728,647, $424,682, $519,538, $307,870, $99,848

3. **Actuarial value of assets**: 45,322,614, 4,977,714, 1,392,228, 531,792, 536,235, 288,008, 105,223

4. **Unfunded/(overfunded) actuarial accrued liability**: ($2) - (3) $5,434,060, $1,377,848, $336,419, ($107,110), ($16,697), $19,862, ($5,375)

5. **Funded Ratio**: (3) / (2) 89.3%, 78.3%, 80.5%, 125.2%, 103.2%, 93.5%, 105.4%

6. **Annual Payroll**: $10,304,766, $1,906,523, $638,137, $241,309, $894,835, $49,545, $292,928

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 6.19%, 9.28%, 2.57%, 2.69%, 1.19%, 3.86%, 7.88%
- Prior Service: 3.40%, 4.10%, 2.99%, 2.69%, -0.12%, 6.62%, -0.12%
- Total Retirement: 9.59%, 13.38%, 5.56%, 1.00%, 1.07%, 10.48%, 7.76%
- Supplemental Death: 0.00%, 0.13%, 0.30%, 0.20%, 0.00%, 0.12%, 0.12%
- Total Rate: 9.59%, 13.51%, 5.86%, 0.00%, 1.20%, 10.48%, 7.88%

**Supplemental Death**: 0.00%, 0.13%, 0.30%, 0.20%, 0.13%, 0.00%, 0.12%

**Statutory Maximum Rate** (Total Retirement Only): N/A, 13.50%, 7.50%, 9.50%, 6.01%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**: N/A, 12.94%, N/A, N/A, 6.01%

**Statutory Maximum Rate (Total Retirement Only)**: N/A, 13.50%, 7.50%, 9.50%, 6.01%

### ADDITIONAL INFORMATION

**GASB 25 Equivalent Single Amortization Period as of 1/2015**: 24.0 years, 30.0 years, 30.0 years, 25.0 years, 25.0 years, 7.0 years, 25.0 years

**Number of annuitants**: 138, 15, 18, 4, 2, 3, 0

**Number of active contributing members**: 257, 53, 20, 9, 25, 1, 7

**Number of inactive members**: 108, 71, 25, 12, 33, 1, 5

**Average age of contributing members**: 42.9 years, 38.6 years, 43.1 years, 42.7 years, 44.6 years, 61.2 years, 45.3 years

**Average length of service of contributing members**: 10.0 years, 7.8 years, 7.2 years, 3.8 years, 6.3 years, 22.7 years, 9.7 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members: $393,331, $10,667,189, $153,240, $4,056,249, $7,788,498, $241,846, $786,573
   - Noncontributing Members: 519,418, 772,098, 47,128, 491,065, 1,201,257, 33,791, 225,842
   - Annuitants: 37,476, 1,678,714, 11,138, 842,600, 3,294,700, 187,867, 136,996

2. **Total Actuarial Accrued Liability**: $950,225, $13,118,001, $211,506, $5,389,914, $12,284,455, $463,504, $1,149,411

3. **Actuarial value of assets**: 1,030,588, 9,661,197, 249,771, 3,833,524, 9,954,467, 567,861, 391,805

4. **Unfunded/(overfunded) actuarial accrued liability**: ($80,363), $3,456,804, ($38,265), $1,556,390, $2,329,988, ($104,357), $757,606

5. **Funded Ratio**: (3) / (2) 108.5%, 73.6%, 118.1%, 71.1%, 81.0%, 122.5%, 34.1%

6. **Annual Payroll**: $1,184,335, $7,550,582, $256,091, $2,047,484, $2,386,652, $350,003, $1,246,939

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 3.98%, 8.93%, 1.84%, 4.05%, 9.36%, 6.64%, 1.18%
- Prior Service: -0.43%, 2.60%, -0.94%, 5.71%, 6.83%, -1.88%, 4.02%
- Total Retirement: 3.55%, 11.53%, 0.90%, 9.76%, 16.08%, 4.76%, 5.20%
- Supplemental Death: 0.00%, 0.25%, 0.23%, 0.20%, 0.17%

**Statutory Maximum Rate** (Total Retirement Only): 11.50%, 13.50%, 7.50%, 9.50%, 6.01%

**Phase-In Rate (Minimum Contribution), Incl. Supplemental Death**: 2.99%, 10.37%, 0.87%, N/A, 3.85%, N/A, N/A

**Statutory Maximum Rate (Total Retirement Only)**: 11.50%, 13.50%, 7.50%, 9.50%, 6.01%

### ADDITIONAL INFORMATION

**GASB 25 Equivalent Single Amortization Period as of 1/2015**: 25.0 years, 30.0 years, 25.0 years, 19.0 years, 21.0 years, 25.0 years, 23.0 years

**Number of annuitants**: 3, 13, 2, 19, 27, 5, 2

**Number of active contributing members**: 28, 147, 7, 57, 62, 13, 44

**Number of inactive members**: 22, 48, 3, 47, 8, 34

**Average age of contributing members**: 40.4 years, 41.9 years, 51.0 years, 44.9 years, 49.4 years, 47.0 years, 42.7 years

**Average length of service of contributing members**: 6.6 years, 7.0 years, 10.3 years, 8.9 years, 11.7 years, 8.0 years, 6.2 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members
     - $6,795,343
   - Noncontributing Members
     - $3,453,987
   - Annuitants
     - $10,339,855

2. **Total Actuarial Accrued Liability**
   - $20,589,185

3. **Actuarial Value of Assets**
   - $17,656,015

4. **Unfunded/(Overfunded) Actuarial Accrued Liability**
   - $(2,933,170)

5. **Funded Ratio**
   - 85.8%

6. **Annual Payroll**
   - $5,135,474

### CITY CONTRIBUTION RATES FOR 2015

- **Retirement**
  - Normal Cost: 6.10%
  - Prior Service: 3.24%
- **Supplemental Death**
  - 0.18%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015: 30.0 years
- Number of active contributing members:
  - Lake Marque: 108
  - La Porte: 371
- Average age of contributing members:
  - Lake Marque: 41.6 years
  - La Porte: 43.4 years

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members
     - $3,188,989
   - Noncontributing Members
     - $1,338,204
   - Annuitants
     - 41 years

2. **Total Actuarial Accrued Liability**
   - $7,059,920

3. **Actuarial Value of Assets**
   - $6,109,931

4. **Unfunded/(Overfunded) Actuarial Accrued Liability**
   - $(949,989)

5. **Funded Ratio**
   - 86.5%

6. **Annual Payroll**
   - $1,804,369

### CITY CONTRIBUTION RATES FOR 2015

- **Retirement**
  - Normal Cost: 8.98%
  - Prior Service: 3.17%
- **Supplemental Death**
  - 0.26%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015: 27.0 years
- Number of active contributing members:
  - Lake Dallas: 33
  - Lake Jackson: 215
- Average age of contributing members:
  - Lake Dallas: 44.1 years
  - Lake Jackson: 42.4 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members $4,637,470 $10,582,024 $26,750,078 $329,973,133 $313,090 $67,988,796 $13,058,422
   - b. Noncontributing Members 959,185 2,151,235 10,976,021 16,242,476 242,667 10,316,047 1,773,670
   - c. Annuitants 8,302,066 5,773,572 28,665,938 139,991,541 24,918 31,782,809 4,469,173
2. **Total Actuarial Accrued Liability** $13,898,721 $18,506,831 $66,392,037 $486,207,150 $580,675 $110,087,652 $19,301,265
3. **Actuarial value of assets** 13,979,672 14,540,905 52,868,495 319,305,541 599,148 83,204,888 14,393,660
4. **Unfunded/(overfunded) actuarial accrued liability** $(2) - (3) $(80,951) $3,965,926 $13,523,542 $166,901,609 $(18,473) $26,882,764 $4,907,605
5. **Funded Ratio**: $(3) / (2) 100.6% 78.6% 79.6% 65.7% 103.2% 75.6% 74.6%
6. **Annual Payroll** $2,931,536 $4,459,506 $12,948,681 $95,701,023 $669,218 $28,038,176 $10,258,619

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost 3.92% 9.09% 8.07% 9.41% 4.67% 8.91% 9.41%
- Prior Service -0.17% 5.47% 5.93% 12.24% -0.17% 6.19% 2.72%
- Total Retirement 3.75% 14.56% 14.00% 21.65% 4.50% 15.10% 12.13%
- Supplemental Death 0.00% 0.18% 0.15% 0.18% 0.15% 0.15% 0.13%
- Total Rate 3.75% 14.74% 14.15% 21.83% 4.65% 15.25% 12.26%
- Phase-In Rate (Minimum Contribution), Incl. Supplemental Death N/A N/A N/A 21.36% 3.66% 14.92% 11.99%
- Statutory Maximum Rate (Total Retirement Only) 13.50% N/A N/A N/A N/A 15.50% 13.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Periods as of 1/2015**
  - 25.0 years 26.0 years 30.0 years 21.0 years 25.0 years 24.0 years 30.0 years
- **Number of annuitants** 50 53 149 735 1 154 32
- **Number of active contributing members** 65 110 211 1,974 12 478 183
- **Number of inactive members** 30 49 174 386 12 143 69
- **Average age of contributing members** 43.2 years 42.0 years 39.9 years 44.1 years 45.1 years 41.9 years 7.7 years
- **Average length of service of contributing members** 7.9 years 8.9 years 9.1 years 116 years 8.8 years 9.6 years 7.7 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members: $4,536,532, $436,975, $80,802, $14,425,251, $3,037,859, $20,383,124, $10,873
   - Noncontributing Members: $315,645, 109,205, 0, 1,635,530, 1,644,210, 2,439,804, 0
   - Annuitants: 289,275, 61,722, 0, 1,872,829, 2,157,010, 8,026,023, 0

2. **Total Actuarial Accrued Liability**: $5,137,452, $607,902, $80,802, $17,933,610, $6,839,079, $30,848,951, $18,007

3. **Actuarial value of assets**: $3,227,659, $614,534, $83,832, $14,242,778, $5,943,789, $23,915,210, $17,393

4. **Unfunded/(overfunded) actuarial accrued liability**: $1,909,793, ($6,632), ($3,030), $3,690,832, $895,290, $6,933,741, $614

5. **Funded Ratio**: 62.8%, 101.1%, 103.7%, 79.4%, 86.9%, 77.5%, 96.6%

6. **Annual Payroll**: $1,932,044, $441,093, $151,597, $10,319,266, $1,750,091, $6,126,690, $112,941

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 8.35%, 1.65%, 1.71%, 10.79%, 6.16%, 10.42%, 1.28%
- Prior Service: 6.73%, -0.09%, -0.13%, 2.03%, 3.49%, 7.50%, 0.03%
- Total Retirement: 15.08%, 1.56%, 1.58%, 12.82%, 9.68%, 17.92%, 1.31%

**Supplemental Death**
- 0.00%, 0.33%, 0.21%, 0.13%, 0.26%, 0.15%, 0.05%

**Total Rate**
- 15.08%, 1.89%, 1.79%, 12.95%, 9.91%, 18.07%, 1.36%

**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 1/2015: 22.0 years, 25.0 years, 25.0 years, 30.0 years, 22.0 years, 23.0 years, 30.0 years
- **Number of annuitants**: 4, 2, 0, 23, 33, 48, 0
- **Number of active contributing members**: 47, 13, 5, 186, 48, 115, 3
- **Number of inactive members**: 12, 8, 0, 71, 37, 44, 3
- **Average age of contributing members**: 46.0 years, 53.7 years, 53.2 years, 42.6 years, 42.1 years, 44.3 years, 40.2 years
- **Average length of service of contributing members**: 10.0 years, 10.9 years, 6.1 years, 8.7 years, 9.2 years, 13.9 years, 1.7 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members: $13,260,880, $3,305,932, $13,427,805, $270,183, $450,186, $70,358,027, $42,709
   - Noncontributing Members: 980,872, 577,543, 3,577,186, 68,861, 456,149, 10,126,670, 33,217
   - Annuitants: 7,648,142, 1,930,396, 8,297,308, 90,652, 291,051, 65,521,093, 20,163

2. **Total Actuarial Accrued Liability**: $21,889,894, $5,813,871, $25,302,299, $429,696, $1,197,386, $146,005,790, $96,089

3. **Actuarial value of assets**: $17,984,745, 4,531,188, 21,142,370, 607,982, 1,200,831, 131,159,207, 81,852

4. **Unfunded/(overfunded) actuarial accrued liability**: ($178,286), $178,286, (2.05%), (0.05%), (3.06%), (7.50%), (0.05%)

5. **Funded Ratio**: 82.2%, 77.9%, 83.6%, 141.5%, 100.3%, 89.8%, 85.2%


### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 8.20%, 5.13%, 7.26%, 0.00%, 3.06%, 10.08%, 4.68%
- Prior Service: 8.52%, 4.80%, 5.06%, -2.05%, -0.05%, 0.24%, 0.20%
- Total Retirement: 16.72%, 9.93%, 12.32%, 0.00%, 3.06%, 10.08%, 4.68%

**Supplemental Death**
- 0.27%, 0.31%, 0.24%, 0.64%, 0.20%, 0.20%, 0.20%

**Total Rate**
- 16.99%, 10.24%, 12.56%, 0.64%, 3.30%, 10.28%, 4.88%

**Statutory Maximum Rate (Total Retirement Only)**
- N/A, 11.50%, N/A, 15.50%, N/A, N/A, N/A

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period** as of 1/2015: 19.0 years, 21.0 years, 22.0 years, 25.0 years, 25.0 years, 21.5 years, 30.0 years
- **Number of annuitants**: 35, 30, 58, 2, 4, 415, 1
- **Number of active contributing members**: 76, 40, 127, 4, 10, 635, 3
- **Number of inactive members**: 13, 22, 93, 7, 14, 234, 1
- **Average age of contributing members**: 45.6 years, 48.9 years, 42.9 years, 44.7 years, 49.2 years, 53.2 years
- **Average length of service of contributing members**: 10.0 years, 10.9 years, 6.1 years, 8.7 years, 9.2 years, 13.9 years, 5.5 years
## SUMMARY OF ACTUARIAL INFORMATION

### 1. Actuarial Accrued Liability
   - **Contributing Members**:
     - **Lorena**: $530,711
     - **Los Fresnos**: $308,491
     - **Lott**: $95,135
     - **Loveny**: $303,491
     - **Lubbock**: $908,868
     - **Lucas**: $32,167,676
   - **Noncontributing Members**:
     - **Lorena**: $312,539
     - **Los Fresnos**: $170,790
     - **Lott**: $82,038
     - **Loveny**: $442,925
     - **Lubbock**: $2,791,875
     - **Lucas**: $1,734,796
   - **Annuitants**:
     - **Lorena**: $763,337
     - **Los Fresnos**: $280,634
     - **Lott**: $20,038
     - **Loveny**: $442,925
     - **Lubbock**: $123,309
     - **Lucas**: $445,476

### 2. Total Actuarial Accrued Liability
   - $909,337

### 3. Actuarial value of assets
   - $903,868

### 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - ($5,469)

### 5. Funded Ratio: (3) / (2)
   - 99.4%

### 6. Annual Payroll
   - $576,536

## CITY CONTRIBUTION RATES FOR 2015

### Retirement
   - **Normal Cost**:
     - **Lorena**: 6.54%
     - **Los Fresnos**: 6.59%
     - **Lott**: 6.81%
     - **Loveny**: 5.93%
     - **Lubbock**: 10.50%
   - **Prior Service**:
     - **Lorena**: 0.05%
     - **Los Fresnos**: -0.25%
     - **Lott**: 0.00%
     - **Loveny**: 0.16%
     - **Lubbock**: 0.05%
   - **Total Retirement**:
     - **Lorena**: 6.64%
     - **Los Fresnos**: 2.34%
     - **Lott**: 3.85%
     - **Loveny**: 1.93%
     - **Lubbock**: 10.50%

### Supplemental Death
   - **Lorena**: 0.22%
   - **Los Fresnos**: 0.00%
   - **Lott**: 0.24%
   - **Loveny**: 0.00%
   - **Lubbock**: 0.00%
   - **Lucas**: 0.24%

### Total Rate
   - **Lorena**: 6.86%
   - **Los Fresnos**: 2.35%
   - **Lott**: 4.07%
   - **Loveny**: 1.93%
   - **Lubbock**: 10.50%

### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
   - **Lorena**: 5.93%
   - **Los Fresnos**: 2.08%
   - **Lott**: N/A
   - **Loveny**: N/A
   - **Lubbock**: 5.93%

### Statutory Maximum Rate (Total Retirement Only)
   - **Lorena**: N/A
   - **Los Fresnos**: N/A
   - **Lott**: N/A
   - **Loveny**: N/A
   - **Lubbock**: N/A
   - **Lucas**: N/A

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
   - **Lorena**: 22.0 years
   - **Los Fresnos**: 22.0 years
   - **Lott**: 23.0 years
   - **Loveny**: 17.0 years
   - **Lubbock**: 20.0 years
   - **Lucas**: 23.0 years

#### Number of annuitants
   - **Lorena**: 5
   - **Los Fresnos**: 4
   - **Lott**: 11
   - **Loveny**: 2
   - **Lubbock**: 1
   - **Lucas**: 6

#### Number of active contributing members
   - **Lorena**: 16
   - **Los Fresnos**: 6
   - **Lott**: 51
   - **Loveny**: 9
   - **Lubbock**: 3
   - **Lucas**: 26

#### Number of inactive members
   - **Lorena**: 14
   - **Los Fresnos**: 6
   - **Lott**: 35
   - **Loveny**: 25
   - **Lubbock**: 2
   - **Lucas**: 22

#### Average age of contributing members
   - **Lorena**: 45.6 years
   - **Los Fresnos**: 45.8 years
   - **Lott**: 40.8 years
   - **Loveny**: 48.0 years
   - **Lubbock**: 43.8 years
   - **Lucas**: 45.8 years

#### Average length of service of contributing members
   - **Lorena**: 7.4 years
   - **Los Fresnos**: 4.8 years
   - **Lott**: 8.7 years
   - **Loveny**: 2.0 years
   - **Lubbock**: 11.2 years
   - **Lucas**: 6.4 years

## SUMMARY OF ACTUARIAL INFORMATION

### 1. Actuarial Accrued Liability
   - **Contributing Members**:
     - **Lufkin**: $44,234,282
     - **Luling**: $4,990,506
     - **Lumberton**: $32,167,676
     - **Lyford**: $13,939,849
     - **Lynette**: $4,685,641
     - **Lytle**: $8,032,765
     - **Madisonville**: $7,631,498
     - **Magnolia**: $2,810,148
   - **Noncontributing Members**:
     - **Lufkin**: $5,340,663
     - **Luling**: $562,430
     - **Lumberton**: $2,035,939
     - **Lyford**: $2,810
     - **Lynette**: $2,810
     - **Lytle**: $136,769
     - **Madisonville**: $2,791,875
     - **Magnolia**: $2,791,875
   - **Annuitants**:
     - **Lufkin**: $425,459
     - **Luling**: $2,810
     - **Lumberton**: $102,273
     - **Lyford**: $102,273
     - **Lynette**: $102,273
     - **Lytle**: $2,810
     - **Madisonville**: $102,273
     - **Magnolia**: $102,273

### 2. Total Actuarial Accrued Liability
   - $81,392,464

### 3. Actuarial value of assets
   - $63,001,089

### 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - $18,391,375

### 5. Funded Ratio: (3) / (2)
   - 77.4%

### 6. Annual Payroll
   - $15,331,336
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members: $936,463, $1,036,867, $83,124,640, $685,547, $9,357,953, $718,605, $518,717
   - Noncontributing Members: 235,619, 249,360, 121,304, 118,478, 122,347, 75,631, 75,631
   - Annuitants: $1,434,746, $1,407,531, $111,899,202, $1,020,034, $16,002,799, $2,014,580, $1,939,319

2. Total Actuarial Accrued Liability: $1,474,746, $1,407,531, $111,899,202, $1,020,034, $16,002,799, $2,014,580, $1,939,319

3. Actuarial value of assets: $1,422,851, $1,513,074, $92,677,623, $1,044,581, $16,307,869, $2,505,114, $698,256

4. Unfunded/(overfunded) actuarial accrued liability: ($2) - (3) $51,895, ($105,543), $19,221,579, ($24,547), ($305,070), ($490,534), ($58,937)

5. Funded Ratio: (3) / (2) 96.5%, 107.5%, 82.8%, 102.4%, 101.9%, 124.3%, 109.2%

6. Annual Payroll: $886,825, $1,575,984, $29,634,137, $1,129,814, $5,538,618, $864,158, $418,867

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
- Normal Cost: 5.03%, 3.36%, 10.50%, 3.80%, 4.78%, 3.95%, 5.91%
- Prior Service: -0.33%, -0.42%, 3.99%, -0.14%, -0.35%, -3.57%, -0.89%
- Total Retirement: 5.36%, 2.94%, 14.49%, 3.66%, 4.43%, 0.38%, 5.02%
- Supplemental Death: 0.20%, 0.12%, 0.14%, 0.13%, 0.17%, 0.42%, 0.37%
- Phase-In Rate (Minimum Contribution), Incl. Supplemental Death: 4.24%, 2.99%, 14.63%, 3.79%, 0.80%, 5.39%
- Statutory Maximum Rate (Total Retirement Only): 13.50%, N/A, 14.63%, 3.79%, 11.50%, 5.39%

#### Supplemental Death
- 0.20%, 0.12%, 0.14%, 0.13%, 0.17%, 0.42%, 0.37%
- Total Rate: 5.56%, 3.06%, 14.63%, 3.79%, 11.50%, 5.39%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- 4.24%, 2.99%, 14.63%, 3.79%, 11.50%, 5.39%

#### Statutory Maximum Rate (Total Retirement Only)
- 13.50%, N/A, 14.63%, 3.79%, 11.50%, 5.39%

### ADDITIONAL INFORMATION

**GASB 25 Equivalent Single Amortization Period as of 1/2015**
- Malakoff Manor: 30.0 years, 25.0 years, 26.0 years, 25.0 years, 25.0 years, 25.0 years, 25.0 years
- Mansfield: 30.0 years, 25.0 years, 26.0 years, 25.0 years, 25.0 years, 25.0 years, 25.0 years

**Number of annuitants**
- Malakoff Manor: 8, 3, 119, 7, 60, 20, 2
- Mansfield: 22, 37, 494, 28, 105, 24, 11

**Number of active contributing members**
- Malakoff Manor: 22, 37, 494, 28, 105, 24, 11
- Mansfield: 13, 31, 129, 23, 55, 21, 8

**Number of inactive members**
- Malakoff Manor: 13, 31, 129, 23, 55, 21, 8
- Mansfield: 45, 36, 413, 41, 42, 9, 48

**Average age of contributing members**
- Malakoff Manor: 45.9 years, 39.6 years, 41.1 years, 41.1 years, 42.7 years, 48.9 years, 49.8 years
- Mansfield: 43.0 years, 46.0 years, 41.3 years, 50.8 years, 47.2 years, 48.9 years

**Average length of service of contributing members**
- Malakoff Manor: 11.5 years, 5.9 years, 10.4 years, 8.0 years, 9.9 years, 5.6 years, 7.9 years
- Mansfield: 11.5 years, 5.9 years, 10.4 years, 8.0 years, 9.9 years, 5.6 years, 7.9 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members $50,840 $71,419 $132,937,498 $853,497 $2,303,978 $121,455,452 $122,506
   - Noncontributing Members 1,867 68,385 14,492,007 13,961 908,432 20,611,837 188,211
   - Annuitants 0 36,023 53,816,302 436,597 2,499,504 47,272,104 4,516
2. Total Actuarial Accrued Liability $52,707 $175,827 $201,245,807 $1,304,055 $5,711,914 $189,339,393 $315,233
3. Actuarial value of assets 11,396 175,980 188,963,792 1,373,248 4,661,119 149,974,650 285,222
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $41,311 ($153) $12,282,015 ($69,193) $1,050,795 $39,364,743 $30,011
5. Funded Ratio: (3) / (2) 21.6% 100.1% 93.9% 105.3% 81.6% 79.2% 90.5%
6. Annual Payroll $175,459 $219,972 $63,168,978 $320,837 $2,067,016 $53,804,585 $207,728

### CITY CONTRIBUTION RATES FOR 2015

<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</th>
<th>Statutory Maximum Rate</th>
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<tbody>
<tr>
<td>Normal Cost</td>
<td>1.60%</td>
<td>1.83%</td>
<td>3.43%</td>
<td>0.12%</td>
<td>3.55%</td>
<td>N/A</td>
<td>1.68%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>1.66%</td>
<td>2.12%</td>
<td>6.53%</td>
<td>0.21%</td>
<td>6.85%</td>
<td>N/A</td>
<td>1.87%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>4.41%</td>
<td>2.12%</td>
<td>6.53%</td>
<td>0.21%</td>
<td>13.35%</td>
<td>N/A</td>
<td>2.76%</td>
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<tr>
<td>Supplemental Death</td>
<td>2.45%</td>
<td>0.24%</td>
<td>0.99%</td>
<td>0.23%</td>
<td>2.76%</td>
<td>N/A</td>
<td>1.96%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>7.75%</td>
<td>2.89%</td>
<td>10.82%</td>
<td>0.23%</td>
<td>15.82%</td>
<td>N/A</td>
<td>5.00%</td>
</tr>
<tr>
<td>Phase-In Rate</td>
<td>11.55%</td>
<td>4.15%</td>
<td>15.82%</td>
<td>0.12%</td>
<td>15.82%</td>
<td>N/A</td>
<td>5.00%</td>
</tr>
<tr>
<td>Statutory Maximum Rate</td>
<td>1.80%</td>
<td>0.96%</td>
<td>2.76%</td>
<td>0.21%</td>
<td>2.76%</td>
<td>N/A</td>
<td>5.00%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Periods as of 1/2015: 18.0 years, 25.0 years, 11.5 years, 25.0 years, 30.0 years, 30.0 years, 23.0 years
- Number of annuitants: 0, 1, 374, 7, 30, 208, 1
- Number of active contributing members: 7, 7, 1,485, 7, 4, 845, 6
- Number of inactive members: 3, 7, 302, 6, 43, 254, 5
- Average age of contributing members: 42.0 years, 45.7 years, 41.6 years, 43.9 years, 41.9 years, 41.5 years, 52.0 years
- Average length of service of contributing members: 3.1 years, 6.3 years, 10.4 years, 12.8 years, 8.4 years, 10.6 years, 6.2 years

### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members $262,159 $2,865,328 $1,577,745 $5,642,133 $1,129,517 $904,752 $12,379,961
   - Noncontributing Members 38,393 760,003 202,859 474,790 33,625 44,777 883,736
   - Annuitants 0 1,766,383 203,780 7,228,697 801,162 397,919 4,263,368
2. Total Actuarial Accrued Liability $300,552 $5,391,714 $1,984,384 $13,345,620 $1,964,304 $1,347,448 $17,527,065
3. Actuarial value of assets 318,779 5,208,074 1,776,912 11,217,694 1,901,740 1,609,292 11,506,247
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) ($18,227) $183,640 $207,472 $2,127,926 $62,564 ($261,844) $6,020,818
5. Funded Ratio: (3) / (2) 106.1% 96.6% 89.5% 84.1% 96.8% 119.4% 65.6%
6. Annual Payroll $454,809 $1,376,869 $1,741,406 $2,932,643 $567,206 $264,934 $4,048,321

### CITY CONTRIBUTION RATES FOR 2015

<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</th>
<th>Statutory Maximum Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>1.71%</td>
<td>4.25%</td>
<td>6.96%</td>
<td>0.13%</td>
<td>8.22%</td>
<td>N/A</td>
<td>5.75%</td>
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<tr>
<td>Prior Service</td>
<td>5.37%</td>
<td>1.90%</td>
<td>7.27%</td>
<td>0.18%</td>
<td>7.45%</td>
<td>N/A</td>
<td>7.51%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>6.29%</td>
<td>0.68%</td>
<td>7.00%</td>
<td>0.16%</td>
<td>7.16%</td>
<td>N/A</td>
<td>7.09%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>5.80%</td>
<td>1.62%</td>
<td>6.92%</td>
<td>0.20%</td>
<td>7.12%</td>
<td>N/A</td>
<td>6.10%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>4.36%</td>
<td>-32.3%</td>
<td>5.98%</td>
<td>0.22%</td>
<td>6.20%</td>
<td>N/A</td>
<td>6.20%</td>
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<tr>
<td>Phase-In Rate</td>
<td>3.23%</td>
<td>9.83%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>20.24%</td>
<td>N/A</td>
<td>20.24%</td>
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<tr>
<td>Statutory Maximum Rate</td>
<td>10.19%</td>
<td>19.89%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>N/A</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Periods as of 1/2015: 25.0 years, 8.0 years, 30.0 years, 30.0 years, 8.0 years, 23.0 years, 25.0 years
- Number of annuitants: 0, 1, 6, 28, 8, 3, 3
- Number of active contributing members: 11, 26, 38, 40, 19, 8, 107
- Number of inactive members: 9, 30, 18, 8, 5, 1, 46
- Average age of contributing members: 41.6 years, 48.0 years, 44.7 years, 45.4 years, 44.6 years, 51.4 years, 45.7 years
- Average length of service of contributing members: 4.3 years, 11.6 years, 10.4 years, 14.7 years, 10.8 years, 16.2 years, 30.5 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - b. Noncontributing Members 91,544 304,550 82,968 17,599,905 976,108 20,243,701 2,916,585

2. **Total Actuarial Accrued Liability** $487,701 $1,535,527 $389,395 $396,608,657 $13,627,605 $275,379,574 $32,146,137

3. **Actuarial value of assets** 547,479 1,006,559 170,201 361,302,653 11,216,777 235,889,279 25,008,630

4. **Unfunded/(overfunded) actuarial accrued liability:** (2) - (3) ($59,778) $528,968 $219,194 $35,306,004 $2,410,828 $39,490,295 $7,137,507

5. **Funded Ratio:** (3) / (2) 112.3% 65.6% 43.7% 91.1% 82.3% 85.7% 77.8%

6. **Annual Payroll** $314,761 $470,979 $178,899 $67,386,426 $3,855,861 $39,643,820 $10,003,775

### CITY CONTRIBUTION RATES FOR 2015

- **Retirement**
  - Normal Cost 3.36% 7.37% 3.69% 4.78% 9.03% 8.44% 10.41%
  - Prior Service -1.20% 6.37% 6.95% 5.68% 3.55% 6.60% 4.05%
  - Total Retirement 2.16% 13.74% 10.64% 10.46% 12.58% 15.04% 14.46%

- **Supplemental Death**
  - 0.09% 0.16% 0.08% 0.00% 0.22% 0.19% 0.14%

- **Total Rate**
  - 2.25% 13.90% 10.72% 10.46% 12.80% 15.23% 14.60%

- **Phase-In Rate (Minimum Contribution), Incl. Supplemental Death** N/A N/A N/A N/A 12.33% N/A 13.86%

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

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015** 25.0 years 30.0 years 30.0 years 11.6 years 30.0 years 23.0 years 30.0 years

- **Number of annuitants** 1 7 2 64 7 518 64

- **Number of active contributing members** 8 14 6 1,050 100 702 181

- **Average age of contributing members** 40.1 years 42.4 years 38.6 years 42.9 years 42.5 years 41.9 years 46.1 years

- **Average length of service of contributing members** 9.1 years 5.3 years 1.5 years 12.4 years 8.2 years 10.5 years 9.8 years

---

### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members $33,647 $610,122 $2,591,719 $13,603,795 $46,950,174 $29,508,067 $6,236,441
   - b. Noncontributing Members 128,438 23,973 480,813 2,585,618 4,103,409 8,687,886 480,902
   - c. Annuitants 0 77,845 2,041,549 11,649,942 14,898,457 41,856,576 4,648,560

2. **Total Actuarial Accrued Liability** $162,085 $711,940 $5,114,081 $27,839,355 $65,952,040 $80,052,529 $11,365,903

3. **Actuarial value of assets** 214,833 591,968 5,510,683 24,581,948 58,020,823 80,373,786 9,472,538

4. **Unfunded/(overfunded) actuarial accrued liability:** (2) - (3) ($52,748) $119,972 ($396,602) $3,257,407 $7,931,217 ($321,257) $1,893,365

5. **Funded Ratio:** (3) / (2) 132.5% 83.1% 107.8% 88.3% 88.0% 100.4% 83.3%

6. **Annual Payroll** $94,774 $209,611 $1,864,199 $7,073,583 $26,042,593 $18,646,117 $2,905,583

### CITY CONTRIBUTION RATES FOR 2015

- **Retirement**
  - Normal Cost 1.21% 3.62% 5.26% 5.69% 4.78% 9.03% 10.41%
  - Prior Service 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%
  - Total Retirement 0.00% 3.62% 5.26% 5.69% 4.78% 9.03% 10.41%

- **Supplemental Death**
  - 0.11% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%

- **Total Rate**
  - 0.11% 3.62% 5.26% 5.69% 4.78% 9.03% 10.41%

- **Phase-In Rate (Minimum Contribution), Incl. Supplemental Death** N/A N/A N/A N/A 12.33% N/A 13.86%

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

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015** 25.0 years 13.0 years 25.0 years 19.0 years 28.0 years 0.0 years 24.0 years

- **Number of annuitants** 1 2 3 4 5 6 7

- **Number of active contributing members** 0 3 3 3 3 3 3

- **Average age of contributing members** 45.9 years 57.2 years 57.2 years 57.2 years 57.2 years 57.2 years 57.2 years

- **Average length of service of contributing members** 5.3 years 1.5 years 1.5 years 1.5 years 1.5 years 1.5 years 1.5 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   a. Contributing Members $8,889,312 $427,692 $672,623 $1,069,011 $782,527 $1,167,915 $590,363
   b. Noncontributing Members 1,967,515 232,779 148 1,365,694 788,916 342,178 386,942
   c. Annuitants 3,304,115 101,928 47,703 1,135,090 774,559 276,103 893,082

2. **Total Actuarial Accrued Liability** $14,160,942 $762,399 $720,474 $3,569,795 $2,346,002 $1,786,196 $1,870,387

3. **Actuarial value of assets** 11,439,364 834,471 693,542 3,472,858 2,084,777 1,759,654 1,756,821

4. **Unfunded/(overfunded) actuarial accrued liability**: (2) - (3) $2,721,578 ($72,072) $266,932 $96,937 $261,225 $26,542 $113,566

5. **Funded Ratio**: (3) / (2) 80.8% 109.5% 96.3% 97.3% 88.9% 98.5% 93.9%

6. **Annual Payroll** $3,767,505 $745,588 $413,525 $893,408 $851,307 $332,174 $511,068

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost 12.14% 4.13% 2.62% 9.80% 11.72% 8.79% 4.81%
- Prior Service 0.15% 1.45% 0.32% 0.62% 0.37% 0.22% 0.15%
- Total Retirement 12.29% 4.13% 2.62% 9.80% 11.72% 8.79% 4.81%

**Supplemental Death**
- 0.15% 0.37% 0.15% 0.32% 0.27% 0.12%

**Total Rate** 12.29% 4.13% 2.62% 9.80% 11.72% 8.79% 4.81%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**
  - 29.0 years 25.0 years 5.0 years 30.0 years 30.0 years 3.0 years 20.0 years

- **Number of annuitants** 13 4 1 8 18 3 10
- **Number of active contributing members** 61 16 10 15 23 9 11
- **Number of inactive members** 21 18 1 11 18 4 10
- **Average age of contributing members** 44.6 years 38.0 years 51.2 years 46.3 years 43.8 years 43.8 years 44.8 years
- **Average length of service of contributing members** 11.6 years 5.3 years 14.5 years 10.8 years 7.2 years 13.0 years 10.8 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   a. Contributing Members $135,799 $15,869,647 $1,486,102 $222,898 $4,008,202 $151,894 $7,327,037
   b. Noncontributing Members 0 4,161,367 168,703 224,457 898,007 9,826 2,719,168
   c. Annuitants 0 8,152,553 1,247,232 882,053 2,821,488 77,942 2,718,894

2. **Total Actuarial Accrued Liability** $135,799 $28,183,567 $2,902,037 $1,329,408 $7,727,697 $239,662 $12,765,099

3. **Actuarial value of assets** 132,180 22,071,339 2,481,457 1,583,832 6,392,244 116,054 10,176,416

4. **Unfunded/(overfunded) actuarial accrued liability**: (2) - (3) $3,619 $6,112,228 $420,580 $254,424 $1,335,453 $123,608 $2,588,683

5. **Funded Ratio**: (3) / (2) 97.3% 78.3% 85.5% 119.1% 82.7% 48.4% 79.7%

6. **Annual Payroll** $96,942 $6,272,747 $872,396 $486,986 $1,243,804 $295,962 $6,183,090

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost 1.78% 9.99% 7.88% 4.51% 9.18% 1.14% 11.58%
- Prior Service 0.71% 5.99% 3.99% 2.90% 1.39% 3.54% 0.58%
- Total Retirement 2.49% 15.98% 11.87% 7.40% 10.57% 4.73% 12.16%

**Supplemental Death**
- 0.31% 0.19% 0.25% 0.00% 0.19% 0.23% 0.12%

**Total Rate** 2.80% 16.17% 11.03% 12.22% 16.91% 3.74% 14.08%

**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 N/A N/A N/A N/A N/A 13.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**
  - 5.0 years 26.0 years 27.0 years 25.0 years 20.0 years 30.0 years 30.0 years

- **Number of annuitants** 0 75 16 9 19 2 19
- **Number of active contributing members** 2 143 22 13 34 9 106
- **Number of inactive members** 0 74 11 4 21 5 62
- **Average age of contributing members** 57.5 years 42.3 years 42.9 years 46.5 years 45.3 years 39.3 years 40.5 years
- **Average length of service of contributing members** 16.8 years 9.7 years 7.8 years 4.1 years 10.5 years 9.3 years 10.2 years

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### SUMMARY OF ACTUARIAL INFORMATION

#### 1. Actuarial Accrued Liability
   a. Contributing Members $42,890,548 $225,496 $866,063 $4,948,496 $106,519 $6,857,433 $23,439,293
   b. Noncontributing Members 5,018,753 19,149 381,377 740,994 60,041 955,659 2,953,629
   c. Annuitants 35,993,511 167,537 381,377 1,503,805 30,965 2,953,614 20,581,302


#### 3. Actuarial value of assets 67,963,126 481,287 1,246,046 4,555,270 158,157 9,672,049 48,753,733

#### 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $15,939,686 ($69,105) $39,355 $2,637,125 $39,368 $1,094,657 ($1,666,309)

#### 5. Funded Ratio: (3) / (2) 81.0% 116.8% 96.9% 63.3% 80.1% 89.8% 103.5%

#### 6. Annual Payroll $15,673,882 $367,796 $789,482 $2,658,609 $408,231 $3,526,502 $6,625,935

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
   a. Normal Cost 7.77% 3.51% 3.85% 9.58% 2.16% 5.00% 7.74%
   b. Prior Service -1.18% 0.72% 5.63% 0.61% 2.63% -1.58%
   c. Total Retirement 14.33% 2.33% 4.57% 15.21% 2.77% 7.63% 6.16%
   d. Supplemental Death 0.17% 0.35% 0.17% 0.16% 0.25% 0.18% 0.00%
   e. Total Rate 14.50% 2.68% 4.74% 15.37% 3.02% 7.81% 6.16%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
   a. N/A 14.29% N/A N/A 11.50% N/A N/A

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

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**: 24.0 years, 25.0 years, 8.2 years, 30.0 years, 25.0 years, 16.0 years, 25.0 years
- **Number of annuitants**: 171, 4, 8, 12, 1, 30, 86
- **Number of active contributing members**: 302, 11, 19, 45, 9, 92, 109
- **Number of inactive members**: 108, 11, 4, 26, 13, 46, 20
- **Average age of contributing members**: 42.3 years, 52.2 years, 39.0 years, 45.1 years, 51.7 years, 42.8 years, 14.9 years
- **Average length of service of contributing members**: 11.6 years, 6.6 years, 9.3 years, 14.1 years, 5.3 years, 9.3 years, 14.9 years

### SUMMARY OF ACTUARIAL INFORMATION

#### 1. Actuarial Accrued Liability
   a. Contributing Members $1,491,333 $1,151,174 $63,767,784 $37,479,307 $150,308 $93,259 $555,193
   b. Noncontributing Members 228,663 283,415 8,310,917 4,999,931 124,345 0 124,651
   c. Annuitants 471,902 1,845,139 42,100,239 19,818,694 0 0 145,279

#### 2. Total Actuarial Accrued Liability $2,191,898 $3,279,728 $114,178,940 $62,297,932 $274,653 $93,259 $825,123

#### 3. Actuarial value of assets 2,179,841 3,289,263 81,696,000 52,693,505 308,698 46,695 738,636

#### 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $12,057 ($9,535) $32,482,940 $9,604,427 ($34,045) $46,564 $86,487

#### 5. Funded Ratio: (3) / (2) 99.4% 100.3% 71.6% 84.6% 112.4% 50.1% 89.5%

#### 6. Annual Payroll $608,947 $1,158,736 $29,351,576 $11,977,193 $185,786 $83,688 $374,452

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
   a. Normal Cost 3.40% 2.86% 11.25% 6.75% 2.28% 1.63% 3.73%
   b. Prior Service -0.05% 6.28% 6.79% -1.15% 3.42% 2.29%
   c. Total Retirement 4.44% 2.81% 17.53% 13.54% 1.13% 5.05% 6.02%
   d. Supplemental Death 0.48% 0.30% 0.13% 0.30% 0.00% 0.41% 0.00%
   e. Total Rate 4.92% 3.00% 17.66% 13.87% 1.13% 5.46% 6.02%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
   a. N/A 14.29% N/A 11.50% N/A 11.50% N/A

#### Statutory Maximum Rate (Total Retirement Only)
   a. 9.50% 7.50% N/A 7.50% N/A 7.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**: 2.0 years, 25.0 years, 30.0 years, 16.0 years, 25.0 years, 26.0 years, 13.0 years
- **Number of annuitants**: 8, 16, 87, 0, 0, 3, 3
- **Number of active contributing members**: 14, 35, 220, 3, 2, 10, 7
- **Number of inactive members**: 12, 17, 55, 8, 0, 0, 7
- **Average age of contributing members**: 45.1 years, 40.7 years, 11.2 years, 20.1 years, 9.8 years, 10.0 years
- **Average length of service of contributing members**: 7.0 years, 9.9 years, 11.2 years, 20.1 years, 9.8 years, 10.0 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - b. Noncontributing Members 45,197 143,348 10,602 31,478 457,448 3,441 152,863
   - c. Annuitants 20,806 168,143 2,625,799 32,440 1,592,449 7,146 25,549

2. **Total Actuarial Accrued Liability**
   - $152,709 $546,990 $5,489,603 $622,272 $2,106,877 $72,689 $201,354

3. **Actuarial value of assets**
   - $263,763 536,276 3,659,397 622,774 1,621,906 32,440 229,764

4. **Unfunded/(overfunded) actuarial accrued liability: (2) - (3)**
   - ($111,054) $10,714 $1,830,206 ($502) $484,971 $40,249 ($28,410)

5. **Funded Ratio: (3) / (2)**
   - 172.7% 98.0% 66.7% 100.1% 77.0% 44.6% 114.1%

6. **Annual Payroll**
   - $314,185 $198,928 $903,416 $566,514 $828,718 $1,211,306 $233,658

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
   - Normal Cost 1.96% 4.56% 8.68% 0.96% 6.27% 1.38% 4.47%
   - Prior Service -1.96% 0.31% 13.42% -0.01% 3.78% 0.19% -0.77%
   - Total Retirement 0.00% 4.87% 22.10% 0.95% 10.05% 0.18% 3.70%
   - Supplemental Death 0.00% 0.23% 0.16% 0.04% 0.21% 0.13% 0.19%
   - Total Rate 0.00% 5.10% 22.31% 1.11% 10.26% 0.31% 3.89%
   - Phase-In Rate (Minimum Contribution), Incl. Supplemental Death N/A 3.97% N/A 0.00% 1.64% 0.13% 3.44%
   - Statutory Maximum Rate (Total Retirement Only) 0.00% 5.10% 22.31% 1.11% 10.26% 0.31% 3.89%

#### Supplemental Death
   - 0.00% 0.23% 0.21% 0.16% 0.33% 0.19% 0.18%
   - Total Rate 0.00% 5.10% 22.31% 1.11% 10.26% 0.31% 3.89%
   - Phase-In Rate (Minimum Contribution), Incl. Supplemental Death N/A 3.97% N/A 0.00% 1.64% 0.13% 3.44%
   - Statutory Maximum Rate (Total Retirement Only) 0.00% 5.10% 22.31% 1.11% 10.26% 0.31% 3.89%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**
  - North Richland Hills 25.0 years
  - Northlake 30.0 years
  - O’Donnell 23.0 years
  - Oak Point 25.0 years
  - Oak Ridge North 24.0 years
  - Odem 30.0 years
  - Odessa 24.0 years

- **Number of annuitants**
  - North Richland Hills 2
  - Northlake 1
  - O’Donnell 13
  - Oak Point 6
  - Oak Ridge North 11
  - Odem 1
  - Odessa 2

- **Number of active contributing members**
  - North Richland Hills 9
  - Northlake 5
  - O’Donnell 22
  - Oak Point 17
  - Oak Ridge North 26
  - Odem 13
  - Odessa 6

- **Number of inactive members**
  - North Richland Hills 11
  - Northlake 2
  - O’Donnell 4
  - Oak Point 8
  - Oak Ridge North 33
  - Odem 6
  - Odessa 6

- **Average age of contributing members**
  - North Richland Hills 38.7 years
  - Northlake 40.8 years
  - O’Donnell 45.9 years
  - Oak Point 42.9 years
  - Oak Ridge North 44.4 years
  - Odem 52.0 years
  - Odessa 41.9 years

- **Average length of service of contributing members**
  - North Richland Hills 3.6 years
  - Northlake 8.6 years
  - O’Donnell 14.5 years
  - Oak Point 8.3 years
  - Oak Ridge North 2.1 years
  - Odem 6.0 years
  - Odessa 9.1 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - b. Noncontributing Members: 0, 3,653, 1,032,884, 78,698, 22,580, 50,873, 4,030,470
   - c. Annuitants: 18,172, 0, 2,222,291, 132,046, 65,512, 29,112, 30,760,807

2. Total Actuarial Accrued Liability: $73,040, $21,332, $4,591,854, $748,347, $204,742, $190,414, $62,696,697


4. Unfunded/(overfunded) actuarial accrued liability: ($2) - (3): ($6,885), ($23,624), ($497,731), $93,773, $72,706, ($44,027), $11,000,604

5. Funded Ratio: (3) / (2): 109.4%, 210.7%, 110.8%, 87.5%, 64.5%, 123.1%, 82.5%

6. Annual Payroll: $75,827, $28,561, $1,618,304, $719,105, $185,208, $361,191, $8,216,751

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
- Normal Cost: 2.34%, 2.11%, 3.31%, 5.91%, 1.76%, 2.25%, 10.86%
- Prior Service: -0.57%, -2.11%, -1.94%, 0.74%, 2.95%, -0.77%, 8.43%
- Total Retirement: 1.77%, 0.00%, 1.37%, 6.65%, 2.98%, 1.48%, 19.29%
- Supplemental Death: 0.41%, 0.00%, 0.00%, 0.15%, 0.24%, 0.11%, 0.00%
- Total Rate: 2.18%, 0.00%, 1.37%, 6.80%, 3.12%, 1.59%, 19.29%

#### Supplemental Death
- Normal Cost: 0.41%
- Prior Service: 0.14%
- Total Retirement: 0.14%
- Supplemental Death: 0.22%
- Total Rate: 0.54%

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

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

### ADDITIONAL INFORMATION
- GASB 25 Equivalent Single Amortization Period as of 1/2015: 25.0 years, 25.0 years, 25.0 years, 30.0 years, 19.0 years, 25.0 years, 25.0 years
- Number of annuitants: 1, 0, 20, 5, 1, 4, 122
- Number of active contributing members: 3, 1, 35, 22, 6, 11, 155
- Number of inactive members: 0, 1, 45, 17, 1, 15, 53
- Average age of contributing members: 49.5 years, 52.2 years, 40.1 years, 48.3 years, 50.0 years, 40.3 years, 44.6 years
- Average length of service of contributing members: 4.9 years, 7.6 years, 9.9 years, 7.5 years, 7.9 years, 3.2 years, 12.9 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members: $284,489, $149,151, $438,222, $948,892, $1,353,522, $175,980, $2,609,593

2. Total Actuarial Accrued Liability: $915,598, $230,046, $938,281, $1,843,952, $2,196,620, $1,238,963, $4,940,499

3. Actuarial value of assets: 1,054,340, 255,165, 1,143,260, 1,774,669, 1,993,896, 1,301,001, 3,213,803

4. Unfunded/(overfunded) actuarial accrued liability: ($2) - (3): ($138,742), ($25,119), ($204,979), $69,283, $202,724, ($62,038), $1,726,696

5. Funded Ratio: (3) / (2): 115.2%, 110.9%, 121.8%, 96.2%, 90.8%, 105.0%, 65.1%


### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
- Normal Cost: 4.54%, 1.32%, 3.32%, 8.36%, 7.84%, 4.24%, 9.85%
- Prior Service: -2.31%, -0.48%, -2.20%, 0.41%, 1.77%, -1.20%, 7.53%
- Total Retirement: 2.23%, 0.84%, 1.12%, 8.77%, 9.61%, 3.04%, 17.36%
- Supplemental Death: 0.14%, 0.10%, 0.13%, 0.17%, 0.31%, 0.32%, 0.22%
- Total Rate: 2.37%, 1.00%, 1.40%, 8.94%, 9.80%, 3.36%, 17.58%

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

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

### ADDITIONAL INFORMATION
- GASB 25 Equivalent Single Amortization Period as of 1/2015: 25.0 years, 25.0 years, 25.0 years, 30.0 years, 25.0 years, 25.0 years, 25.0 years
- Number of annuitants: 5, 1, 10, 10, 14, 11, 115
- Number of active contributing members: 12, 9, 18, 23, 18, 12, 32
- Number of inactive members: 4, 6, 26, 30, 4, 8, 25
- Average age of contributing members: 44.0 years, 45.8 years, 42.1 years, 41.1 years, 50.1 years, 48.7 years, 45.5 years
- Average length of service of contributing members: 6.1 years, 6.0 years, 6.3 years, 30.2 years, 9.5 years, 4.6 years, 9.5 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members $14,185,817 $780,056 $214,778 $761,693 $17,944,725 $774,696 $907,888
   - b. Noncontributing Members 4,077,108 277,201 43,972 159,547 1,968,593 618,307 97,067
   - c. Annuitants 21,667,908 177,570 13,491 90,587 19,327,919 816,167 597,567

2. Total Actuarial Accrued Liability $39,464,823 $1,233,027 $272,241 $1,011,827 $39,241,503 $2,209,170 $1,801,328

3. Actuarial value of assets 30,037,445 1,094,423 290,650 654,644 25,702,852 1,918,617 1,618,180

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $9,427,378 $138,604 ($18,409) $357,183 $13,538,651 $290,553 ($16,852)

5. Funded Ratio: (3) / (2) 76.1% 88.8% 106.8% 64.7% 65.5% 86.8% 101.1%

6. Annual Payroll $7,644,757 $889,422 $841,916 $1,711,235 $6,710,474 $700,218 $536,569

### CITY CONTRIBUTION RATES FOR 2015

- Normal Cost 7.75% 6.13% 1.04% 0.73% 8.16% 3.06% 6.08%
- Prior Service 7.00% 0.88% -0.14% 1.31% 13.36% 2.36% -0.20%
- Total Retirement 14.75% 7.01% 0.90% 2.04% 21.52% 5.42% 5.88%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015 30.0 years 30.0 years 25.0 years 25.0 years 23.0 years 30.0 years 25.0 years
- Number of annuitants 131 4 2 1 132 8 8
- Number of active contributing members 172 22 24 42 150 16 11
- Number of inactive members 90 19 21 17 78 12 2
- Average age of contributing members 41.2 years 40.2 years 37.2 years 36.2 years 42.6 years 47.8 years 55.9 years
- Average length of service of contributing members 8.9 years 5.6 years 4.8 years 6.2 years 8.8 years 11.7 years 15.7 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members $2,741,437 $24,954,045 $1,414,324 $180,177,868 $68,021,810 $2,295,443 $5,599,039
   - b. Noncontributing Members 2,212,051 4,091,679 205,964 16,043,575 10,894,927 746,387 836,238
   - c. Annuitants 8,614,281 23,054,177 1,129,675 172,084,440 20,043,288 1,814,870 4,736,899

2. Total Actuarial Accrued Liability $13,567,769 $52,099,901 $2,749,963 $368,305,883 $98,960,025 $4,856,700 $11,172,176

3. Actuarial value of assets 10,952,271 49,791,493 $24,945,045 $1,414,324 $180,177,868 20,043,288 4,736,899

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $2,615,498 $2,308,408 $802,045 $34,268,968 $10,506,025 $4,856,700 ($132,022)

5. Funded Ratio: (3) / (2) 80.7% 95.6% 70.8% 90.7% 79.7% 93.5% 101.2%

6. Annual Payroll $2,741,437 $24,954,045 $1,414,324 $180,177,868 $68,021,810 $2,295,443 $5,599,039

### CITY CONTRIBUTION RATES FOR 2015

- Normal Cost 9.00% 3.67% 6.23% 8.63% 9.93% 2.47% 5.53%
- Prior Service 6.56% 2.54% 5.43% 4.93% 3.88% 0.96% 0.19%
- Total Retirement 15.56% 6.23% 11.68% 13.56% 13.55% 3.43% 5.34%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015 30.0 years 30.0 years 25.0 years 25.0 years 23.0 years 30.0 years 25.0 years
- Number of annuitants 38 189 4 674 120 22 49
- Number of active contributing members 41 278 16 674 120 22 49
- Number of inactive members 81 99 11 219 212 75 83
- Average age of contributing members 38.3 years 42.8 years 47.4 years 43.9 years 41.7 years 42.0 years 42.8 years
- Average length of service of contributing members 8.9 years 5.6 years 4.8 years 6.2 years 8.8 years 11.7 years 15.7 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $10,479,168 $27,913,848 $39,000,501 $1,156,112 $2,108,738 $1,540,098 $148,314
   b. Noncontributing Members 1,665,382 4,674,588 4,074,262 596,699 312,722 8,295 11,453
   c. Annuitants 5,355,074 7,878,717 18,745,594 1,097,980 2,367,125 245,877 197,072
   
2. Total Actuarial Accrued Liability $17,499,624 $40,467,153 $61,820,357 $2,850,791 $4,788,585 $1,794,270 $356,839
   
3. Actuarial value of assets 14,408,777 30,786,457 54,346,139 2,454,747 3,535,936 1,607,793 355,306
   
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $3,090,847 $9,680,696 $7,474,218 $396,044 $1,252,649 $186,477 $1,533
   
5. Funded Ratio: (3) / (2) 82.3% 76.1% 87.9% 86.1% 73.4% 89.6% 99.6%
   
6. Annual Payroll $3,365,662 $14,604,964 $21,980,889 $1,407,223 $1,051,453 $363,539 $317,993

### CITY CONTRIBUTION RATES FOR 2015

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<th>Normal Cost</th>
<th>Prior Service</th>
<th>Total Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
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<td>7.10%</td>
<td>7.45%</td>
<td>14.55%</td>
<td>0.22%</td>
<td>14.77%</td>
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<tr>
<td>Prior Service</td>
<td>10.00%</td>
<td>3.76%</td>
<td>13.77%</td>
<td>0.13%</td>
<td>13.90%</td>
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<tr>
<td>Total</td>
<td>17.15%</td>
<td>7.61%</td>
<td>14.88%</td>
<td>0.35%</td>
<td>15.23%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**: 17.0 years 30.0 years 20.0 years 30.0 years 30.0 years 9.0 years 30.0 years
- **Number of annuitants**: 29 43 150 12 23 5 5
- **Number of active contributing members**: 81 270 527 34 21 11 5
- **Number of inactive members**: 59 109 136 38 11 1 4
- **Average age of contributing members**: 41.8 years 42.0 years 39.7 years 44.1 years 46.3 years 51.2 years 53.9 years
- **Average length of service of contributing members**: 9.1 years 9.3 years 9.0 years 7.7 years 11.0 years 17.5 years 9.6 years

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### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   b. Noncontributing Members 1,318,862 253,477 4,322,045 53,013,556 1,430,695 53,476 45,152
   c. Annuitants 2,226,895 211,038 15,198,099 272,139,801 5,497,893 124,921 63,580
   
2. Total Actuarial Accrued Liability $7,209,925 $1,290,969 $36,804,054 $797,166,833 $13,380,073 $273,203 $500,237
   
3. Actuarial value of assets 5,776,405 1,334,836 31,517,971 667,602,583 8,795,647 210,606 455,355
   
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $1,433,520 ($43,867) $5,286,083 $129,564,250 $4,584,426 $62,597 $44,882
   
5. Funded Ratio: (3) / (2) 80.1% 103.4% 85.6% 83.7% 65.7% 77.1% 91.0%
   
6. Annual Payroll $1,244,029 $302,945 $5,834,231 $132,907,955 $3,912,301 $203,947 $425,961

### CITY CONTRIBUTION RATES FOR 2015

<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>
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<tr>
<td>Total</td>
<td>14.48%</td>
<td>6.65%</td>
<td>19.13%</td>
<td>0.00%</td>
<td>19.13%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**: 19.0 years 25.0 years 23.0 years 20.0 years 28.0 years 22.0 years 25.0 years
- **Number of annuitants**: 19 3 93 860 28 1 2
- **Number of active contributing members**: 32 9 133 2,144 91 7 9
- **Number of inactive members**: 29 4 49 717 40 6 6
- **Average age of contributing members**: 42.2 years 44.0 years 45.0 years 44.2 years 41.4 years 41.5 years 49.8 years
- **Average length of service of contributing members**: 9.3 years 9.3 years 9.0 years 7.7 years 11.0 years 17.5 years 9.6 years
SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $6,730,091 $84,291,941 $2,689,000 $3,878,422 $19,903,945 $12,856,942 $973,772
   b. Noncontributing Members 798,725 7,719,689 653,006 1,380,468 736,286 1,578,991 583,698
   c. Annuitants 3,909,378 77,648,669 987,037 4,441,520 18,238,683 5,836,924 436,918

2. Total Actuarial Accrued Liability $11,438,194 $169,660,299 $4,329,043 $9,700,410 $38,878,914 $20,272,857 $1,553,225

3. Actuarial value of assets 7,944,585 137,698,564 4,152,374 8,465,945 36,166,436 14,285,079 1,141,049

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $3,493,609 $31,961,735 $176,669 $1,234,465 $2,712,478 $5,987,778 $412,176

5. Funded Ratio: (3) / (2) 69.5% 81.2% 95.9% 87.3% 93.0% 70.5% 73.5%

6. Annual Payroll $4,328,988 $30,076,046 $2,420,510 $3,675,378 $5,602,332 $5,631,008 $547,970

CITY CONTRIBUTION RATES FOR 2015

Retirement
   a. Normal Cost 7.94% 8.67% 11.84% 14.51% 93.5%
   b. Prior Service 4.58% 6.69% 9.97%
   c. Total Retirement 12.52% 14.20% 3.90% 6.20% 9.72%

Supplemental Death
   a. Normal Cost 0.23% 0.17% 0.00% 0.21% 0.64%
   b. Prior Service 4.58% 7.70% 0.41% 1.91% 3.17%
   c. Total Retirement 4.81% 8.21% 0.41% 2.42% 3.75%

Total Rate 12.75% 14.45% 4.07% 6.45% 11.84% 14.72%

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

ADDITIONAL INFORMATION

GASB 25 Equivalent Single Amortization Period as of 1/2015 30.0 years 20.0 years 30.0 years 30.0 years 23.4 years 25.0 years 18.0 years
Number of annuitants 34 403 15 52 68 44 10
Number of active contributing members 106 541 84 89 89 114 15
Number of inactive members 53 102 55 73 11 65 5
Average age of contributing members 47.8 years 46.9 years 39.6 years 40.9 years 42.5 years 44.6 years 50.0 years
Average length of service of contributing members 7.3 years 13.5 years 7.2 years 8.0 years 15.6 years 16.9 years 12.4 years
### SUMMARY OF ACTUARIAL INFORMATION

#### 1. Actuarial Accrued Liability
   - a. Contributing Members
     - Prosper: $6,101,666
     - Quanah: $1,359,540
     - Queen City: $243,031
     - Quintana: $108,915
     - Quitaque: $22,576
     - Quintana: $134,748
     - Quitman: $1,859,864
   - b. Noncontributing Members
     - Prosper: 1,804,873
     - Quanah: 53,541
     - Queen City: 4,211
     - Quintana: 1,288,631
   - c. Annuitants
     - Prosper: 270,765
     - Quanah: 1,464,262
     - Queen City: 4,211
     - Quintana: 98,641
     - Quitaque: 37,188
     - Quintana: 1,288,633

#### 2. Total Actuarial Accrued Liability
   - Prosper: $8,177,304
   - Quanah: $2,877,343
   - Queen City: $453,990
   - Quintana: $244,160
   - Quitaque: $46,522
   - Quintana: $171,936
   - Quitman: $3,305,958

#### 3. Actuarial value of assets
   - Prosper: $6,392,661
   - Quanah: $2,463,408
   - Queen City: $498,279
   - Quintana: $241,149
   - Quitaque: $47,430
   - Quintana: $143,711
   - Quitman: $3,111,998

#### 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - Prosper: ($1,784,643)
   - Quanah: ($413,935)
   - Queen City: ($44,289)
   - Quintana: $3,011
   - Quitaque: $908
   - Quintana: $28,225
   - Quitman: $193,960

#### 5. Funded Ratio: (3) / (2)
   - Prosper: 78.2%
   - Quanah: 85.6%
   - Queen City: 109.8%
   - Quintana: 98.8%
   - Quitaque: 102.0%
   - Quintana: 83.6%
   - Quitman: 94.1%

#### 6. Annual Payroll
   - Prosper: $5,912,409
   - Quanah: $527,737
   - Queen City: $453,811
   - Quintana: $427,094
   - Quitaque: $94,331
   - Quintana: $106,215
   - Quitman: $813,365

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
   - Normal Cost: 11.68%
   - Prior Service: 1.71%
   - Retirement: 13.39%
   - Supplemental: 0.00%
   - Total: 13.39%

#### Supplemental Death
   - 0.00%

#### Total Rate
   - 13.39%

#### Statutory Maximum Rate (Total Retirement Only)
   - 13.50%

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
   - Prosper: 30.0 years
   - Quanah: 15.0 years
   - Queen City: 25.0 years
   - Quintana: 30.0 years
   - Quitaque: 25.0 years
   - Quitman: 12.0 years

#### Number of annuitants
   - Prosper: 7
   - Quanah: 11
   - Queen City: 1
   - Quintana: 3
   - Quitaque: 1
   - Quintana: 12

#### Number of active contributing members
   - Prosper: 98
   - Quanah: 18
   - Queen City: 12
   - Quintana: 15
   - Quitaque: 3
   - Quintana: 4
   - Quitman: 20

#### Average age of contributing members
   - Prosper: 40.5 years
   - Quanah: 47.5 years
   - Queen City: 43.5 years
   - Quintana: 38.1 years
   - Quitaque: 44.5 years
   - Quintana: 56.8 years
   - Quitman: 44.6 years

#### Average length of service of contributing members
   - Prosper: 7.9 years
   - Quanah: 12.7 years
   - Queen City: 5.2 years
   - Quintana: 3.8 years
   - Quitaque: 2.7 years
   - Quintana: 10.6 years
   - Quitman: 10.2 years

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### SUMMARY OF ACTUARIAL INFORMATION

#### 1. Actuarial Accrued Liability
   - a. Contributing Members
     - Ralls: $408,586
     - Rancho Viejo: $1,891,667
     - Ranger: $1,026,555
     - Rankin: $407,194
     - Ransom Canyon: $1,202,235
     - Raymondville: $2,565,777
     - Robstown: $3,422,485
   - b. Noncontributing Members
     - Ralls: 227,765
     - Rancho Viejo: 232,088
     - Ranger: 22,662
     - Rankin: 0
     - Ransom Canyon: 413,860
     - Raymondville: 1,011,129
     - Robstown: 4,514,049
   - c. Annuitants
     - Ralls: 821,750
     - Rancho Viejo: 165,715
     - Ranger: 0
     - Rankin: 225,662
     - Ransom Canyon: 1,441,627
     - Raymondville: 1,433,755
     - Robstown: 1,532,112

#### 2. Total Actuarial Accrued Liability
   - Ralls: $1,458,104
   - Rancho Viejo: $2,158,877
   - Ranger: $1,574,305
   - Rankin: $600,949
   - Ransom Canyon: $1,355,347
   - Raymondville: $4,926,991
   - Robstown: $3,422,485

#### 3. Actuarial value of assets
   - Ralls: $1,323,179
   - Rancho Viejo: $2,032,195
   - Ranger: $1,441,627
   - Rankin: $606,411
   - Ransom Canyon: $687,653
   - Raymondville: $8,245,719
   - Robstown: $4,380,365

#### 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - Ralls: -134,925
   - Rancho Viejo: -126,682
   - Ranger: -132,678
   - Rankin: 5,462
   - Ransom Canyon: -667,694
   - Raymondville: -575,033
   - Robstown: -546,626

#### 5. Funded Ratio: (3) / (2)
   - Ralls: 90.7%
   - Rancho Viejo: 94.1%
   - Ranger: 91.6%
   - Rankin: 100.9%
   - Ransom Canyon: 50.7%
   - Raymondville: 110.0%
   - Robstown: 88.9%

#### 6. Annual Payroll
   - Ralls: $339,856
   - Rancho Viejo: $477,927
   - Ranger: $717,682
   - Rankin: $493,192
   - Ransom Canyon: $2,070,235
   - Raymondville: $4,313,239
   - Robstown: $3,422,485

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
   - Normal Cost: 4.90%
   - Prior Service: 2.63%
   - Total Retirement: 7.53%
   - Supplemental Death: 0.38%
   - Total: 7.91%

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

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
   - Ralls: 30.0 years
   - Rancho Viejo: 10.0 years
   - Ranger: 25.0 years
   - Rankin: 25.0 years
   - Ransom Canyon: 20.0 years
   - Raymondville: 25.0 years
   - Robstown: 30.0 years

#### Number of annuitants
   - Ralls: 8
   - Rancho Viejo: 1
   - Ranger: 5
   - Rankin: 2
   - Ransom Canyon: 46
   - Raymondville: 10
   - Robstown: 10

#### Number of active contributing members
   - Ralls: 10
   - Rancho Viejo: 10
   - Ranger: 23
   - Rankin: 0
   - Ransom Canyon: 71
   - Raymondville: 81
   - Robstown: 81

#### Average age of contributing members
   - Ralls: 46.8 years
   - Rancho Viejo: 37.0 years
   - Ranger: 42.6 years
   - Rankin: 55.3 years
   - Ransom Canyon: 48.2 years
   - Raymondville: 41.6 years
   - Robstown: 40.6 years

#### Average length of service of contributing members
   - Ralls: 6.5 years
   - Rancho Viejo: 12.5 years
   - Ranger: 5.2 years
   - Rankin: 18.7 years
   - Ransom Canyon: 7.8 years
   - Raymondville: 8.2 years
   - Robstown: 8.2 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - **a. Contributing Members**
     - Redwater: $81,491
     - Refugio: $586,521
     - Refin: $616,413
     - **Total**: $1,499,425
   - **b. Noncontributing Members**
     - Redwater: 73,772
     - Refugio: 38,126
     - Refin: 265,662
     - **Total**: $477,560
   - **c. Annuitants**
     - Redwater: 0
     - Refugio: 875,106
     - Refin: 147,766
     - **Total**: 1,022,872

2. **Total Actuarial Accrued Liability**
   - Redwater: $155,263
   - Refugio: $1,499,753
   - Refin: $1,029,841
   - **Total**: $3,684,957

3. **Actuarial value of assets**
   - Redwater: $130,892
   - Refugio: $2,032,934
   - Refin: $777,974
   - **Total**: $3,938,800

4. **Unfunded/(overfunded) actuarial accrued liability**
   - Redwater: ($24,371)
   - Refugio: ($533,181)
   - Refin: $251,867
   - **Total**: ($32,709)

5. **Funded Ratio**
   - Redwater: 84.3%
   - Refugio: 135.6%
   - Refin: 75.5%
   - **Total**: 132.1%

6. **Annual Payroll**
   - Redwater: $215,356
   - Refugio: $1,060,793
   - Refin: $207,961
   - **Total**: $1,483,210

### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 2.74%
- Prior Service: 0.71%
- Total Retirement: 3.45%
- Supplemental Death: 0.18%
- Total Rate: 3.63%

**Supplemental Death**
- Rate: 0.18%
- Total Rate: 3.63%

**Phase-In Rate**
- Minimum Contribution: N/A
- Total Retirement Only: N/A

**ADDITIONAL INFORMATION**
- GASB 25 Equivalent Single Amortization Period as of 1/2015
  - 25.0 years
  - 25.0 years
  - 17.0 years
  - 25.0 years
  - 25.0 years
  - 30.0 years
  - 25.0 years

- Number of annuitants
  - Redwater: 0
  - Refugio: 18
  - Refin: 3
  - **Total**: 21

- Number of active contributing members
  - Redwater: 8
  - Refugio: 31
  - Refin: 5
  - **Total**: 44

- Number of inactive members
  - Redwater: 3
  - Refugio: 5
  - Refin: 3
  - **Total**: 11

- Average age of contributing members
  - Redwater: 50.1 years
  - Refugio: 42.5 years
  - Refin: 53.3 years
  - **Total**: 47.5 years

- Average length of service of contributing members
  - Redwater: 2.7 years
  - Refugio: 6.8 years
  - Refin: 13.3 years
  - **Total**: 9.9 years
### Río Vista

#### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members $136,440 $26,607 $6,450,796 $14,786,952 $81,243 $6,997,136 $7,515,765
   - b. Noncontributing Members 240,925 73,078 4,595,209 3,643,338 4,982 599,420 2,146,111
   - c. Annuitants 198,685 20,592 4,595,209 2,038,717 75,482 821,683 4,199,592

2. Total Actuarial Accrued Liability $576,050 $120,277 $11,938,484 $20,469,007 $161,707 $8,418,239 $12,860,468

3. Actuarial value of assets 365,613 176,934 9,407,225 15,254,989 97,013 6,098,525 11,336,062

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $210,437 ($56,657) $2,531,259 $5,214,018 $64,694 $2,319,714 $1,524,406

5. Funded Ratio: (3) / (2) 63.5% 147.1% 78.8% 74.5% 60.0% 72.4% 88.1%

6. Annual Payroll $249,130 $212,648 $2,312,322 $7,702,445 $114,581 $2,833,468 $4,860,773

#### CITY CONTRIBUTION RATES FOR 2015

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<th>Retirement</th>
<th>Normal Cost</th>
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<th>Supplemental Death</th>
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<tr>
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<tr>
<td>Total Rate</td>
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<td>8.37%</td>
<td>7.34%</td>
<td>0.38%</td>
<td>7.72%</td>
</tr>
</tbody>
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#### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015: 26.0 years
- Number of annuitants: 3
- Number of active contributing members: 7
- Average age of contributing members: 41.0 years

### Rising Star

#### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - b. Noncontributing Members 1,110,920 137,613 422,327 1,562,086 165,371 4,354,609 82,016
   - c. Annuitants 5,389,686 431,989 1,082,810 10,528,490 0 16,926,911 508,244

2. Total Actuarial Accrued Liability $13,255,216 $614,586 $3,957,965 $23,420,794 $403,374 $64,414,139 $781,680

3. Actuarial value of assets 9,817,715 671,049 2,994,595 18,960,032 424,189 50,695,022 630,690

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $3,437,501 ($56,463) $963,370 $4,460,762 ($20,815) $13,719,117 $150,990

5. Funded Ratio: (3) / (2) 74.1% 109.2% 75.7% 81.0% 105.2% 78.7% 80.7%

6. Annual Payroll $2,246,710 $94,745 $1,820,037 $4,667,509 $161,925 $16,153,619 $325,552

#### CITY CONTRIBUTION RATES FOR 2015

<table>
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<tr>
<th>Retirement</th>
<th>Normal Cost</th>
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<tr>
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<td>11.79%</td>
<td>12.64%</td>
<td>11.63%</td>
<td>0.67%</td>
<td>12.30%</td>
</tr>
</tbody>
</table>

#### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015: 21.0 years
- Number of annuitants: 37
- Number of active contributing members: 47
- Average age of contributing members: 40.8 years
- Average length of service of contributing members: 12.2 years

### River Oaks

#### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members $1,180,920 $137,023 $2,322,828 $11,330,218 $238,003 $43,132,619 $191,420
   - b. Noncontributing Members 1,180,920 $137,023 $2,322,828 $11,330,218 $238,003 $43,132,619 $191,420
   - c. Annuitants 5,389,686 431,989 1,082,810 10,528,490 0 16,926,911 508,244

2. Total Actuarial Accrued Liability $13,255,216 $614,586 $3,957,965 $23,420,794 $403,374 $64,414,139 $781,680

3. Actuarial value of assets 9,817,715 671,049 2,994,595 18,960,032 424,189 50,695,022 630,690

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $3,437,501 ($56,463) $963,370 $4,460,762 ($20,815) $13,719,117 $150,990

5. Funded Ratio: (3) / (2) 74.1% 109.2% 75.7% 81.0% 105.2% 78.7% 80.7%

6. Annual Payroll $2,246,710 $94,745 $1,820,037 $4,667,509 $161,925 $16,153,619 $325,552

#### CITY CONTRIBUTION RATES FOR 2015

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<td>Prior Service</td>
<td>5.19%</td>
<td>7.23%</td>
<td>0.06%</td>
<td>0.45%</td>
<td>0.61%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>11.57%</td>
<td>12.64%</td>
<td>11.63%</td>
<td>0.67%</td>
<td>12.30%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.22%</td>
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<td>12.30%</td>
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#### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015: 21.0 years
- Number of annuitants: 37
- Number of active contributing members: 47
- Average age of contributing members: 40.8 years
- Average length of service of contributing members: 12.2 years
## SUMMARY OF ACTUARIAL INFORMATION

### 1. Actuarial Accrued Liability
   - **a. Contributing Members**
     - $537,028 $7,279,076 $231,617 $49,473 $29,463,858 $253,661 $129,091,696
   - **b. Noncontributing Members**
     - 483,831 856,455 37,140 36,052 8,005,939 21,998 12,917,900
   - **c. Annuitants**
     - 385,500 1,670,012 85,084 46,580 17,973,131 27,648 47,003,438

### 2. Total Actuarial Accrued Liability
   - $1,406,359 $9,805,543 $353,841 $132,105 $55,442,928 $303,307 $189,013,034

### 3. Actuarial value of assets
   - $1,424,184 7,646,077 360,637 144,213 43,820,610 415,120 148,052,738

### 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - ($17,825) $2,159,466 ($6,796) ($12,108) $11,622,318 ($111,813) $40,960,296

### 5. Funded Ratio: (3) / (2)
   - 101.3% 78.0% 101.9% 109.2% 79.0% 136.9% 78.3%

### 6. Annual Payroll
   - $676,158 $3,396,297 $205,026 $327,500 $11,978,415 $213,333 $47,571,612

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
   - **Normal Cost**
     - 7.71% 6.18% 1.74% 1.60% 8.21% 0.87% 10.44%
   - **Prior Service**
     - -0.17% 4.77% -0.21% -0.23% 5.97% -0.87% 3.30%
   - **Total Retirement**
     - 7.56% 10.95% 1.53% 1.37% 14.18% 0.00% 13.74%
   - **Supplemental Death**
     - 0.19% 0.22% 0.35% 0.20% 0.14% 0.26% 0.13%
   - **Total Rate**
     - 7.75% 11.17% 1.88% 1.57% 14.32% 0.00% 13.87%

#### Supplemental Death
   - 0.19% 0.22% 0.35% 0.20% 0.14% 0.26% 0.13%

#### Total Rate
   - 7.75% 11.17% 1.88% 1.57% 14.32% 0.00% 13.87%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
   - 12.50% 11.50% 1.50% 1.37% 14.32% 0.00% 15.32%

#### Statutory Maximum Rate (Total Retirement Only)
   - N/A 11.50% N/A 1.50% N/A N/A N/A

## ADDITIONAL INFORMATION

### GASB 25 Equivalent Single Amortization Period as of 1/2015
   - 25.0 years 19.0 years 25.0 years 25.0 years 26.0 years 25.0 years 26.0 years

### Number of annuitants
   - 5 28 2 4 111 2 203

### Number of active contributing members
   - 15 116 5 11 226 5 795

### Number of inactive members
   - 14 41 3 11 122 3 259

### Average age of contributing members
   - 42.5 years 45.1 years 54.6 years 45.8 years 40.1 years 43.9 years 42.1 years

### Average length of service of contributing members
   - 8.2 years 10.7 years 12.3 years 2.5 years 10.8 years 13.6 years 11.0 years

---

### SUMMARY OF ACTUARIAL INFORMATION

### 1. Actuarial Accrued Liability
   - a. Contributing Members
     - $48795369 $2978175 $199535 $251365 $411224 $1637467 $530198
   - b. Noncontributing Members
     - 16732870 860755 42762 101125 51266 105904 48040
   - c. Annuitants
     - 28860405 795189 0 63381 43164 906092 279389

### 2. Total Actuarial Accrued Liability
   - $94388644 $4634119 $242297 $415871 $505654 $2649463 $885027

### 3. Actuarial value of assets
   - $81968291 3566430 284377 550573 325664 2702869 886365

### 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - $12420353 $1067689 $7920 ($134702) $179990 ($53406) ($10338)

### 5. Funded Ratio: (3) / (2)
   - 86.8% 77.0% 96.7% 132.4% 64.4% 102.0% 15.5%

### 6. Annual Payroll
   - $20094590 $2596372 $80425 $542236 $151538 $451389 $145389
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - a. Contributing Members $11,574,552 $20,642,868 $45,639 $203,401 $87,752,801 $636,428,385 $83,297,822
   - b. Noncontributing Members 4,183,153 1,091,858 42,458 72,636 10,420,583 101,141,714 12,102,442
   - c. Annuitants 4,391,950 6,748,352 431,583 105,448 101,779,875 593,731,313 76,988,190

2. **Total Actuarial Accrued Liability** $20,149,655 $28,483,078 $519,680 $381,485 $199,953,259 $1,331,301,412 $172,388,454

3. **Actuarial value of assets** 16,325,717 18,544,532 525,685 362,120 156,298,487 1,156,538,044 145,193,164

4. **Unfunded/(overfunded) actuarial accrued liability:** (2) - (3) $3,823,938 $9,938,546 ($6,005) $19,365 $43,654,772 $174,763,368 $27,195,290

5. **Funded Ratio:** (3) / (2) 81.0% 65.1% 101.2% 94.9% 78.2% 86.9% 84.2%

6. **Annual Payroll** $6,841,949 $7,394,451 $211,302 $341,403 $29,973,662 $296,180,242 $96,238,949

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
- Normal Cost 10.05% 9.73% 6.24% 6.75% 8.05% 6.25% 1.99%
- Prior Service 3.17% 8.46% -0.18% 0.32% 9.65% 4.29% 1.82%
- Total Retirement 13.22% 18.19% 6.06% 7.07% 17.70% 10.54% 3.81%
- Supplemental Death 0.15% 0.15% 0.26% 0.22% 0.00% 0.00% 0.00%
- Total Rate 13.37% 18.34% 6.32% 7.29% 17.70% 10.54% 3.81%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- 12.48% 18.04% 4.06% 5.95% N/A N/A N/A

#### Statutory Maximum Rate (Total Retirement Only)
- 13.50% N/A 10.50% N/A N/A N/A 5.50%

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
- 30.0 years 25.0 years 25.0 years 30.0 years 23.0 years 19.9 years 24.0 years

#### Number of annuitants
- 38 40 6 4 530 3,908 1,022

#### Number of active contributing members
- 129 135 7 8 691 6,146 1,617

#### Number of inactive members
- 98 52 8 4 282 1,965 380

#### Average age of contributing members
- 43.4 years 42.2 years 41.4 years 47.2 years 43.4 years 45.8 years 45.9 years

#### Average length of service of contributing members
- 9.3 years 12.4 years 3.8 years 6.2 years 109 years 11.8 years 14.3 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members $267,167 $7,098,527 $27,258 $32,057,511 $6,391,877 $19,647,360 $386,833
   - b. Noncontributing Members 747,860 849,858 249,602 3,310,416 830,559 970,922 12,801
   - c. Annuitants 427,007 2,112,111 56,306 10,247,888 4,703,021 8,321,967 42,663

2. Total Actuarial Accrued Liability $1,442,034 $10,060,496 $175,733 $45,615,815 $11,925,457 $28,940,249 $442,297

3. Actuarial value of assets 1,523,593 7,059,526 249,602 30,541,625 9,457,485 24,983,520 335,199

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) ($81,559) $3,000,970 ($73,869) $15,074,190 $2,467,972 $3,956,729 $107,098

5. Funded Ratio: (3) / (2) 105.7% 70.2% 142.0% 67.0% 79.3% 86.3% 75.8%

6. Annual Payroll $1,208,928 $3,059,963 $156,590 $15,017,614 $1,674,947 $5,899,820 $362,565

### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th>Category</th>
<th>Rate (Normal Cost)</th>
<th>Rate (Prior Service)</th>
<th>Rate (Total Retirement)</th>
<th>Rate (Supplemental Death)</th>
<th>Rate (Total Rate)</th>
<th>Rate (Statutory Maximum Rate)</th>
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<tbody>
<tr>
<td>Retirement</td>
<td>6.47%</td>
<td>-0.42%</td>
<td>6.05%</td>
<td>0.13%</td>
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<td>1.76%</td>
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<td>10.55%</td>
<td>5.70%</td>
<td>16.25%</td>
<td>0.14%</td>
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<td>0.00%</td>
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<tr>
<td>Supplemental Death</td>
<td>9.80%</td>
<td>11.06%</td>
<td>20.86%</td>
<td>0.17%</td>
<td>2.76%</td>
<td>0.15%</td>
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<td>Total Rate</td>
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<td>21.09%</td>
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<td>Phase-In Rate (Minimum Contribution, Incl. Supplemental Death)</td>
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<td>N/A</td>
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<td>N/A</td>
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### ADDITIONAL INFORMATION

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<tr>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2015</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>
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<td>10.7 years</td>
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<td>50.9 years</td>
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<td>124</td>
<td>47.0 years</td>
<td>14.5 years</td>
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<tr>
<td>16.4 years</td>
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<td>306</td>
<td>124</td>
<td>43.0 years</td>
<td>9.2 years</td>
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<tr>
<td>30.0 years</td>
<td>10</td>
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<td>22</td>
<td>46.1 years</td>
<td>13.2 years</td>
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<tr>
<td>14.0 years</td>
<td>19</td>
<td>38</td>
<td>22</td>
<td>45.6 years</td>
<td>12.1 years</td>
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</table>

### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members $7,807,214 $529,290 $5,747,998 $30,723,198 $9,086,761 $5,497,789 $377,009
   - b. Noncontributing Members 1,302,676 108,796 2,821,815 5,415,235 841,993 1,986,091 118,173
   - c. Annuitants 3,820,726 1,176,627 3,193,864 30,197,897 2,049,656 5,838,516 661,415

2. Total Actuarial Accrued Liability $12,930,616 $1,814,713 $11,763,677 $66,336,330 $11,978,410 $13,322,396 $1,156,597

3. Actuarial value of assets 11,400,716 1,428,348 9,023,303 54,885,867 9,484,191 11,253,801 1,308,683

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $1,529,900 $386,365 $2,740,374 $11,450,463 $2,492,219 $2,068,595 $152,086

5. Funded Ratio: (3) / (2) 88.2% 78.7% 76.7% 82.7% 79.2% 84.5% 113.1%

6. Annual Payroll $4,238,386 $2,740,374 $11,450,463 $2,492,219 $2,068,595 $152,086 $552,968

### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th>Category</th>
<th>Rate (Normal Cost)</th>
<th>Rate (Prior Service)</th>
<th>Rate (Total Retirement)</th>
<th>Rate (Supplemental Death)</th>
<th>Rate (Total Rate)</th>
<th>Rate (Statutory Maximum Rate)</th>
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</thead>
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<tr>
<td>Retirement</td>
<td>7.44%</td>
<td>5.73%</td>
<td>11.62%</td>
<td>14.88%</td>
<td>14.88%</td>
<td>14.88%</td>
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<tr>
<td>Prior Service</td>
<td>6.54%</td>
<td>6.19%</td>
<td>14.88%</td>
<td>22.48%</td>
<td>22.48%</td>
<td>22.48%</td>
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<tr>
<td>Total Retirement</td>
<td>8.58%</td>
<td>13.65%</td>
<td>18.59%</td>
<td>29.80%</td>
<td>29.80%</td>
<td>29.80%</td>
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<tr>
<td>Supplemental Death</td>
<td>9.85%</td>
<td>12.74%</td>
<td>21.90%</td>
<td>31.75%</td>
<td>31.75%</td>
<td>31.75%</td>
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<tr>
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<td>7.74%</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>11.48%</td>
<td>12.74%</td>
<td>14.88%</td>
<td>14.88%</td>
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### ADDITIONAL INFORMATION

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<tr>
<th>GASB 25 Equivalent Single Amortization Period as of 1/2015</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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<td>15</td>
<td>15</td>
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<td>19</td>
<td>47.0 years</td>
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<tr>
<td>25.0 years</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>49.0 years</td>
<td>49.0 years</td>
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</table>
### SUMMARY OF ACTUARIAL INFORMATION

#### 1. Actuarial Accrued Liability
   - Contributing Members: $1,827,245
   - Noncontributing Members: $435,242
   - Annuitants: $1,627,992

#### 2. Total Actuarial Accrued Liability: $3,884,719

#### 3. Actuarial value of assets: $3,268,753

#### 4. Unfunded/(overfunded) actuarial accrued liability: $615,966

#### 5. Funded Ratio: 84.1%

#### 6. Annual Payroll: $1,087,619

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
   - Normal Cost: 3.22%
   - Prior Service: 4.41%
   - Total Retirement: 7.63%
   - Supplemental Death: 0.34%
   - Total Rate: 7.97%

#### Supplemental Death
   - 0.34%

### ADJUSTED INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2015:
   - Summary of additional information:

### SUMMARY OF ACTUARIAL INFORMATION

#### 1. Actuarial Accrued Liability
   - Contributing Members: $56,829,268
   - Noncontributing Members: $7,200,016
   - Annuitants: $54,123,825

#### 2. Total Actuarial Accrued Liability: $118,153,109

#### 3. Actuarial value of assets: $101,259,051

#### 4. Unfunded/(overfunded) actuarial accrued liability: $16,894,058

#### 5. Funded Ratio: 85.7%

#### 6. Annual Payroll: $20,776,398

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
   - Normal Cost: 8.37%
   - Prior Service: 5.39%
   - Total Retirement: 13.76%
   - Supplemental Death: 0.20%
   - Total Rate: 13.96%

#### Supplemental Death
   - 0.20%

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2015:
   - Summary of additional information:
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members $3,131,944 $2,775,998 $558,668 $10,858,598 $47,552 $483,599 $1,146,701
   - Noncontributing Members 2,533,629 1,107,123 0 14,180,986 115,799 287,853 2,091,304
   - Annuitants 2,533,625 1,107,123 0 14,180,986 115,799 287,853 2,091,304
2. Total Actuarial Accrued Liability $6,462,608 $4,648,825 $158,668 $27,161,823 $210,352 $955,363 $3,801,716
3. Actuarial value of assets 6,328,030 3,988,749 147,837 22,279,095 207,375 931,148 3,299,205
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $134,578 $660,076 $10,831 $4,882,728 $2,977 $24,215 $502,511
5. Funded Ratio: (3) / (2) 97.9% 85.8% 93.2% 82.0% 98.6% 97.5% 86.8%
6. Annual Payroll $1,832,101 $2,029,797 $69,362 $4,255,997 $274,235 $580,317 $1,175,201

### CITY CONTRIBUTION RATES FOR 2015

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<td>5.99%</td>
<td>6.59%</td>
<td>6.75%</td>
<td>9.42%</td>
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<tr>
<td>Prior Service</td>
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<td>7.06%</td>
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<tr>
<td>Total Retirement</td>
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<td>16.48%</td>
<td>2.85%</td>
<td>5.68%</td>
<td>90.3%</td>
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<td>Supplemental Death</td>
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<td>0.29%</td>
<td>0.22%</td>
<td>0.32%</td>
<td>0.31%</td>
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<td>0.01%</td>
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<td>7.23%</td>
<td>16.79%</td>
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<tr>
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<td>10.00%</td>
<td>16.25%</td>
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### ADDITIONAL INFORMATION

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<td>Number of active contributing members</td>
<td>47</td>
<td>57</td>
<td>2</td>
<td>85</td>
<td>8</td>
<td>9</td>
<td>33</td>
</tr>
<tr>
<td>Number of inactive members</td>
<td>33</td>
<td>38</td>
<td>0</td>
<td>42</td>
<td>19</td>
<td>11</td>
<td>18</td>
</tr>
<tr>
<td>Average age of contributing members</td>
<td>44.1 years</td>
<td>46.4 years</td>
<td>52.0 years</td>
<td>44.9 years</td>
<td>50.3 years</td>
<td>43.9 years</td>
<td></td>
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<tr>
<td>Average length of service of contributing members</td>
<td>9.0 years</td>
<td>92 years</td>
<td>17.3 years</td>
<td>9.8 years</td>
<td>2.1 years</td>
<td>8.5 years</td>
<td>5.6 years</td>
</tr>
</tbody>
</table>

---

### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - Contributing Members $416,281 $11,894,842 $15,934,063 $41,875,663 $2,026,163 $1,182,595 $4,600,917
   - Noncontributing Members 110,013 1,231,107 4,458,394 10,053,727 195,932 587,737 758,575
   - Annuitants 0 7,079,562 4,458,394 15,735,172 1,794,677 3,420,920 3,434,777
2. Total Actuarial Accrued Liability $526,294 $20,205,511 $24,822,353 $67,664,562 $4,016,772 $5,191,252 $8,794,269
3. Actuarial value of assets 666,352 17,157,541 22,358,470 57,189,902 3,262,324 4,500,233 8,509,172
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $140,058 $3,047,970 $2,463,883 $10,474,660 $754,448 $691,019 $285,097
5. Funded Ratio: (3) / (2) 126.6% 84.9% 90.1% 84.5% 81.2% 86.7% 96.8%
6. Annual Payroll $507,338 $4,549,550 $7,426,723 $19,106,675 $1,126,574 $867,529 $2,225,943

### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th></th>
<th>Retirement</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>1.18%</td>
<td>6.10%</td>
<td>10.76%</td>
<td>8.94%</td>
<td>7.73%</td>
<td>6.65%</td>
<td>5.83%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>-1.18%</td>
<td>5.95%</td>
<td>1.88%</td>
<td>3.11%</td>
<td>3.80%</td>
<td>4.52%</td>
<td>67.3%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>0.00%</td>
<td>12.05%</td>
<td>12.64%</td>
<td>12.05%</td>
<td>11.53%</td>
<td>13.09%</td>
<td>6.58%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.31%</td>
<td>0.23%</td>
<td>0.15%</td>
<td>0.12%</td>
<td>0.17%</td>
<td>0.19%</td>
<td>0.24%</td>
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<tr>
<td>Total Rate</td>
<td>0.31%</td>
<td>12.28%</td>
<td>12.79%</td>
<td>12.17%</td>
<td>11.79%</td>
<td>13.28%</td>
<td>6.82%</td>
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<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>
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<tr>
<td>Statutory Maximum Rate (Total Retirement Only)</td>
<td>7.50%</td>
<td>N/A</td>
<td>13.50%</td>
<td>N/A</td>
<td>13.50%</td>
<td>N/A</td>
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### ADDITIONAL INFORMATION

<p>| | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>GASB 25 Equivalent Single Amortization Period as of 1/2015</td>
<td>25.0 years</td>
<td>150 years</td>
<td>30.0 years</td>
<td>30.0 years</td>
<td>30.0 years</td>
<td>30.0 years</td>
<td>28.0 years</td>
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<tr>
<td>Number of annuitants</td>
<td>0</td>
<td>56</td>
<td>30</td>
<td>83</td>
<td>12</td>
<td>18</td>
<td>20</td>
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<tr>
<td>Number of active contributing members</td>
<td>10</td>
<td>108</td>
<td>162</td>
<td>302</td>
<td>18</td>
<td>23</td>
<td>36</td>
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<tr>
<td>Number of inactive members</td>
<td>30</td>
<td>47</td>
<td>80</td>
<td>133</td>
<td>7</td>
<td>41</td>
<td>20</td>
</tr>
<tr>
<td>Average age of contributing members</td>
<td>45.1 years</td>
<td>46.4 years</td>
<td>42.6 years</td>
<td>41.1 years</td>
<td>42.9 years</td>
<td>43.5 years</td>
<td>48.2 years</td>
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<tr>
<td>Average length of service of contributing members</td>
<td>12.7 years</td>
<td>11.5 years</td>
<td>8.9 years</td>
<td>10.9 years</td>
<td>11.1 years</td>
<td>6.0 years</td>
<td>15.1 years</td>
</tr>
</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

#### 1. Actuarial Accrued Liability
   - **Contributing Members**
     - Springsun: $764,510
     - Spur: $54,235
     - Stafford: $789,815
     - Stamford: $80,075
     - Stanton: $12,325
   - **Noncontributing Members**
     - Star Harbor: $12,325
   - **Annuitants**
     - Stephenville: $12,325

#### 2. Total Actuarial Accrued Liability
   - Springsun: $1,505,010
   - Spur: $90,080
   - Stafford: $789,815
   - Stamford: $80,075
   - Stanton: $12,325
   - Star Harbor: $12,325
   - Stephenville: $12,325

#### 3. Actuarial value of assets
   - Springsun: $1,505,010
   - Spur: $90,080
   - Stafford: $789,815
   - Stamford: $80,075
   - Stanton: $12,325
   - Star Harbor: $12,325
   - Stephenville: $12,325

#### 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)
   - Springsun: $190,919
   - Spur: $64,309
   - Stafford: $4,875,665
   - Stamford: $136,705
   - Stanton: $284,501
   - Star Harbor: $66,409
   - Stephenville: $5,467,495

#### 5. Funded Ratio: (3) / (2)
   - Springsun: 94.3%
   - Spur: 90.8%
   - Stafford: 84.7%
   - Stamford: 95.3%
   - Stanton: 88.3%
   - Star Harbor: 90.9%
   - Stephenville: 84.7%

#### 6. Annual Payroll
   - Springsun: $1,140,643
   - Spur: $300,028
   - Stafford: $6,432,789
   - Stamford: $914,691
   - Stanton: $800,834
   - Star Harbor: $158,635
   - Stephenville: $6,851,280

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
- **Normal Cost**
  - Springsun: 9.77%
  - Spur: 3.06%
  - Stafford: 7.76%
  - Stamford: 4.03%
  - Stanton: 3.46%
  - Star Harbor: 2.05%
  - Stephenville: 8.93%
- **Prior Service**
  - Springsun: 0.83%
  - Spur: 1.90%
  - Stafford: 2.42%
  - Stamford: 0.83%
  - Stanton: 4.11%
  - Star Harbor: 1.46%
  - Stephenville: 2.99%
- **Total Retirement**
  - Springsun: 10.60%
  - Spur: 4.96%
  - Stafford: 10.18%
  - Stamford: 4.86%
  - Stanton: 4.89%
  - Star Harbor: 3.50%
  - Stephenville: 11.52%
- **Supplemental Death**
  - Springsun: 0.37%
  - Spur: 0.27%
  - Stafford: 0.37%
  - Stamford: 0.27%
  - Stanton: 0.27%
  - Star Harbor: 0.19%
- **Total Rate**
  - Springsun: 10.97%
  - Spur: 4.23%
  - Stafford: 10.55%
  - Stamford: 4.89%
  - Stanton: 4.89%
  - Star Harbor: 3.68%
  - Stephenville: 11.71%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- Springsun: N/A
- Spur: N/A
- Stafford: 7.33%
- Stamford: N/A
- Stanton: N/A
- Star Harbor: 10.22%
- Stephenville: N/A

#### Statutory Maximum Rate (Total Retirement Only)
- Springsun: N/A
- Spur: N/A
- Stafford: 7.50%
- Stamford: N/A
- Stanton: N/A
- Star Harbor: N/A
- Stephenville: N/A

### ADDITIONAL INFORMATION

#### GASB 25 Equivalent Single Amortization Period as of 1/2015
- Springsun: 30.0 years
- Spur: 10.0 years
- Stafford: 27.0 years
- Stamford: 30.0 years
- Stanton: 13.0 years
- Star Harbor: 21.0 years
- Stephenville: 21.0 years

#### Number of annuitants
- Springsun: 12
- Spur: 0
- Stafford: 57
- Stamford: 22
- Stanton: 5
- Star Harbor: 4
- Stephenville: 66

#### Number of active contributing members
- Springsun: 39
- Spur: 10
- Stafford: 127
- Stamford: 27
- Stanton: 16
- Star Harbor: 5
- Stephenville: 143

#### Number of inactive members
- Springsun: 37
- Spur: 9
- Stafford: 44
- Stamford: 21
- Stanton: 7
- Star Harbor: 5
- Stephenville: 63

#### Average age of contributing members
- Springsun: 44.2 years
- Spur: 53.9 years
- Stafford: 43.8 years
- Stamford: 47.4 years
- Stanton: 49.3 years
- Star Harbor: 39.5 years
- Stephenville: 43.4 years

#### Average length of service of contributing members
- Springsun: 5.8 years
- Spur: 11.1 years
- Stafford: 9.9 years
- Stamford: 8.1 years
- Stanton: 14.3 years
- Star Harbor: 8.9 years
- Stephenville: 12.6 years
### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributing Members</td>
<td>$1,492,644</td>
<td>$1,128,472</td>
</tr>
<tr>
<td>Noncontributing Members</td>
<td>$1,095,548</td>
<td>$175,136</td>
</tr>
<tr>
<td>Annuitants</td>
<td>$1,801,913</td>
<td>$1,046,409</td>
</tr>
<tr>
<td><strong>Total Actuarial Accrued Liability</strong></td>
<td><strong>$4,390,105</strong></td>
<td><strong>$2,350,017</strong></td>
</tr>
<tr>
<td>Actuarial value of assets</td>
<td>3,359,346</td>
<td>1,557,995</td>
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<tr>
<td><strong>Unfunded/(overfunded) actuarial accrued liability</strong></td>
<td><strong>$1,030,759</strong></td>
<td><strong>$792,022</strong></td>
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<td><strong>Funded Ratio</strong></td>
<td>76.5%</td>
<td>66.3%</td>
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<tr>
<td><strong>Annual Payroll</strong></td>
<td>$1,474,552</td>
<td>$492,860</td>
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### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
<th>Rate</th>
</tr>
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<tbody>
<tr>
<td>Retirement</td>
<td>Normal Cost</td>
<td>8.82%</td>
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<tr>
<td></td>
<td>Prior Service</td>
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<td></td>
<td>Total Retirement</td>
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</tr>
<tr>
<td>Supplemental Death</td>
<td>0.15%</td>
<td></td>
</tr>
<tr>
<td><strong>Total Rate</strong></td>
<td></td>
<td>12.94%</td>
</tr>
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### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
<th>Amount</th>
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<tbody>
<tr>
<td>GASB 25 Equivalents</td>
<td>Single Amortization Period as of 1/2015</td>
<td>26.0 years</td>
</tr>
<tr>
<td>Number of annuitants</td>
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<td>64</td>
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<tr>
<td>Number of active contributing members</td>
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<td>103</td>
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<tr>
<td>Number of inactive members</td>
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<td>27</td>
</tr>
<tr>
<td>Average age of contributing members</td>
<td></td>
<td>44.8 years</td>
</tr>
<tr>
<td>Average length of service of contributing members</td>
<td></td>
<td>11.8 years</td>
</tr>
</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   - a. Contributing Members: $213,869
   - b. Noncontributing Members: 14,743
   - c. Annuitants: 46,754
   
   2. Total Actuarial Accrued Liability: $275,366

   3. Actuarial value of assets: $311,754

   4. Unfunded/(overfunded) actuarial accrued liability: $(36,388)

   5. Funded Ratio: 113.2%

   6. Annual Payroll: $299,153

#### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 1.37%
- Prior Service: -0.77%
- Total Retirement: 0.60%
- Supp. Death: 0.23%

**Total Rate**: 0.83%

**Phase-In Rate (Minimum Contribution), Inc. Supp. Death**: N/A

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

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**: 25.0 years
- **Number of annuitants**: 3
- **Number of active contributing members**: 10
- **Average age of contributing members**: 43.4 years
- **Average length of service of contributing members**: 5.4 years

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### TMRS Comprehensive Annual Financial Report 2013

Continued
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - c. Annuitants: $1,166,525, $389,161, $315,972, $659,571, $238,638, $315,966, $167,426
   - d. Unfunded/(overfunded) actuarial accrued liability: ($2) - (3) = $517,444, $35,254, $54,582, $26,456, ($34,523), $14,279, $9,950
2. **Total Actuarial Accrued Liability**: $4,112,159, $624,415, $390,554, $686,027, $204,115, $330,275, $177,376
3. **Actuarial value of assets**: $3,594,715, $589,161, $335,972, $659,571, $238,638, $315,966, $167,426
4. **Funded Ratio**: (3) / (2) = 87.4%, 94.4%, 86.0%, 96.1%, 116.9%, 95.7%, 94.4%

#### CITY CONTRIBUTION RATES FOR 2015

**Retirement**
- Normal Cost: 2.80%, 6.05%, 1.72%, 2.14%, 1.31%, 7.31%, 1.78%
- Prior Service: 2.39%, 1.68%, 0.98%, 0.37%, -0.94%, 0.38%, 0.26%
- Total Retirement: 5.19%, 7.73%, 2.70%, 2.51%, 0.37%, 7.69%, 2.04%
- Supplemental Death: 0.24%, 0.22%, 0.29%, 0.22%, 0.22%, 0.18%, 0.30%
- Total Rate: 5.43%, 7.95%, 2.99%, 2.73%, 0.59%, 7.87%, 2.38%
- Phase-In Rate (Minimum Contribution), Incl. Supplemental Death: N/A, 6.66%, N/A, N/A, 6.46%, N/A
- Statutory Maximum Rate (Total Retirement Only): 7.50%, 9.50%, 7.50%, 9.50%, N/A, 7.50%

**Supplemental Death**
- 0.24%, 0.22%, 0.29%, 0.22%, 0.22%, 0.18%, 0.30%
- Total Rate: 5.43%, 7.95%, 2.99%, 2.73%, 0.59%, 7.87%, 2.38%
- Statutory Maximum Rate (Total Retirement Only): 7.50%, 9.50%, 7.50%, 9.50%, N/A, 7.50%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015: 16.0 years, 30.0 years, 20.0 years, 21.0 years, 25.0 years, 30.0 years, 25.0 years
- Number of annuitants: 8, 5, 0, 5, 1, 0, 1
- Number of active contributing members: 45, 4, 7, 12, 7, 3, 8
- Number of inactive members: 23, 5, 3, 4, 7, 4, 8
- Average age of contributing members: 47.8 years, 40.9 years, 48.7 years, 45.5 years, 43.7 years, 52.8 years, 48.3 years
- Average age of service of contributing members: 10.0 years, 5.1 years, 11.3 years, 7.8 years, 10.0 years, 16.0 years, 3.9 years

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015: 16.0 years, 30.0 years, 20.0 years, 21.0 years, 25.0 years, 30.0 years, 25.0 years
- Number of annuitants: 56, 1, 2, 6, 7, 10, 12
- Number of active contributing members: 150, 2, 5, 8, 7, 70, 22
- Number of inactive members: 48, 0, 10, 5, 23, 76, 12
- Average age of contributing members: 42.4 years, 58.7 years, 40.7 years, 45.1 years, 41.9 years, 41.3 years, 40.4 years
- Average age of service of contributing members: 9.4 years, 17.6 years, 1.8 years, 7.4 years, 6.4 years, 9.6 years, 7.4 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $287,320 $3,978,126 $14,494 $300,825 $100,120,391 $19,261,567 $45,867,258
   b. Noncontributing Members 25,149 1,558,140 31,010 36,955 13,721,964 2,004,290 4,726,366
   c. Annuitants 206,761 2,824,906 178,351 256,603 90,009,032 5,507,288 27,416,789

2. Total Actuarial Accrued Liability $519,230 $8,361,172 $223,855 $594,383 $203,851,387 $26,773,145 $78,010,413

3. Actuarial value of assets 457,931 7,426,679 169,135 448,415 144,520,479 17,333,219 77,234,462

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $61,299 $934,493 $54,720 $145,968 $59,330,908 $9,439,926 $775,951

5. Funded Ratio: (3) / (2) 88.2% 88.8% 75.6% 75.4% 70.9% 64.7% 99.0%


### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th>Phase</th>
<th>Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>4.94%</td>
<td>0.46%</td>
<td>5.40%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>0.98%</td>
<td>0.00%</td>
<td>0.98%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>5.92%</td>
<td>0.46%</td>
<td>6.38%</td>
</tr>
<tr>
<td>GPA: (Minimum Contribution); Incl.</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>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

GASB 25 Equivalent Single Amortization Period as of 1/2015 30.0 years 19.0 years 30.0 years 30.0 years 22.0 years 27.0 years 7.0 years
Number of annuitants 8 25 3 4 468 42 121
Number of active contributing members 10 36 3 11 632 124 205
Number of inactive members 4 26 2 4 208 70 46
Average age of contributing members 47.3 years 40.1 years 46.8 years 43.8 years 43.5 years 43.4 years 47.5 years
Average length of service of contributing members 9.8 years 10.5 years 9.4 years 12.0 years 10.6 years 10.8 years 17.0 years

---

### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $5,760,664 $894,256 $1,476,396 $1,736,561 $733,846 $609,241 $11,568,961
   b. Noncontributing Members 1,690,204 59,539 852,962 111,215 0 108,434 1,847,555
   c. Annuitants 6,209,274 534,888 944,503 1,500,489 678,561 420,718 8,754,939

2. Total Actuarial Accrued Liability $13,660,142 $1,488,683 $3,273,861 $3,348,265 $1,412,407 $1,138,393 $22,171,455

3. Actuarial value of assets 11,770,093 1,718,507 2,658,598 2,755,819 1,102,014 1,035,155 15,486,640

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) ($1,890,049 ($229,824) $615,263 $592,446 $310,393 $103,238 $6,684,815

5. Funded Ratio: (3) / (2) 86.2% 115.4% 81.2% 82.3% 78.0% 90.9% 69.8%


### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th>Phase</th>
<th>Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
</tr>
</thead>
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<tr>
<td>Normal Cost</td>
<td>4.32%</td>
<td>0.21%</td>
<td>4.53%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>2.09%</td>
<td>0.00%</td>
<td>2.09%</td>
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<tr>
<td>Total Retirement</td>
<td>6.41%</td>
<td>0.21%</td>
<td>6.62%</td>
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<tr>
<td>GPA: (Minimum Contribution); Incl.</td>
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<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>
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### ADDITIONAL INFORMATION

GASB 25 Equivalent Single Amortization Period as of 2015 28.0 years 25.0 years 30.0 years 22.0 years 16.0 years 27.0 years 23.0 years
Number of annuitants 61 8 9 13 2 6 68
Number of active contributing members 150 22 31 25 14 6 68
Number of inactive members 77 6 39 8 0 11 68
Average age of contributing members 34.9 years 43.8 years 45.8 years 45.4 years 45.9 years 46.6 years 43.2 years
Average length of service of contributing members 6.8 years 8.0 years 5.7 years 11.2 years 9.5 years 7.2 years 9.8 years

---

### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th>Phase</th>
<th>Retirement</th>
<th>Supplemental Death</th>
<th>Total Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>4.32%</td>
<td>0.21%</td>
<td>4.53%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>2.09%</td>
<td>0.00%</td>
<td>2.09%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>6.41%</td>
<td>0.21%</td>
<td>6.62%</td>
</tr>
<tr>
<td>GPA: (Minimum Contribution); Incl.</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>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

GASB 25 Equivalent Single Amortization Period as of 2015 28.0 years 25.0 years 30.0 years 22.0 years 16.0 years 27.0 years 23.0 years
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---

### CITY CONTRIBUTION RATES FOR 2015

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<td>6.62%</td>
</tr>
<tr>
<td>GPA: (Minimum Contribution); Incl.</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>
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</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Victoria</th>
<th>Village Fire Department</th>
<th>Waldo</th>
<th>Wake Village</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Actuarial Accrued Liability</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Contributing Members</td>
<td>$63,887,273</td>
<td>$8,798,826</td>
<td>$8,295,965</td>
<td>$16,125</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>16,432,474</td>
<td>917,243</td>
<td>1,074,095</td>
<td>0</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>88,473,120</td>
<td>6,726,094</td>
<td>6,925,362</td>
<td>0</td>
</tr>
<tr>
<td><strong>2. Total Actuarial Accrued Liability</strong></td>
<td>$168,792,867</td>
<td>$16,442,763</td>
<td>$16,295,422</td>
<td>$16,125</td>
</tr>
<tr>
<td><strong>3. Actuarial value of assets</strong></td>
<td>$125,389,596</td>
<td>$13,113,398</td>
<td>$14,935,890</td>
<td>11,707</td>
</tr>
<tr>
<td><strong>4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</strong></td>
<td>$43,403,271</td>
<td>$3,329,365</td>
<td>$1,359,532</td>
<td>0</td>
</tr>
<tr>
<td><strong>5. Funded Ratio: (3) / (2)</strong></td>
<td>74.3%</td>
<td>79.8%</td>
<td>91.7%</td>
<td>72.0%</td>
</tr>
<tr>
<td><strong>6. Annual Payroll</strong></td>
<td>$27,059,529</td>
<td>$3,050,586</td>
<td>$3,266,520</td>
<td>$60,974</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th></th>
<th>Retirement</th>
<th></th>
<th>Supplemental Death</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>7.26%</td>
<td>9.04%</td>
<td>2.91%</td>
<td>6.39%</td>
<td>6.84%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>10.10%</td>
<td>17.36%</td>
<td>16.48%</td>
<td>7.03%</td>
<td>6.81%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>17.36%</td>
<td>17.55%</td>
<td>16.67%</td>
<td>7.17%</td>
<td>13.15%</td>
</tr>
<tr>
<td>Phase-In Rate</td>
<td>17.43%</td>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Statutory Maximum Rate</td>
<td>N/A</td>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Waller</th>
<th>Wallis</th>
<th>Walnut Springs</th>
<th>Waskom</th>
<th>Watonga</th>
<th>Watauga</th>
<th>Waxahachie</th>
<th>Weatherford</th>
</tr>
</thead>
<tbody>
<tr>
<td>GASB 25 Equivalent Single Amortization Period as of 1/2015</td>
<td>25.0 years</td>
<td>30.0 years</td>
<td>6.0 years</td>
<td>24.0 years</td>
<td>27.0 years</td>
<td>25.0 years</td>
<td>26.0 years</td>
<td>12.02%</td>
</tr>
<tr>
<td>Number of annuitants</td>
<td>405</td>
<td>37</td>
<td>19</td>
<td>0</td>
<td>818</td>
<td>3</td>
<td>17</td>
<td>26</td>
</tr>
<tr>
<td>Number of active contributing members</td>
<td>554</td>
<td>66</td>
<td>48</td>
<td>2</td>
<td>1,504</td>
<td>17</td>
<td>26</td>
<td>8</td>
</tr>
<tr>
<td>Average age of contributing members</td>
<td>40.3 years</td>
<td>45.2 years</td>
<td>39.6 years</td>
<td>61.1 years</td>
<td>44.8 years</td>
<td>41.9 years</td>
<td>44.8 years</td>
<td>8 years</td>
</tr>
</tbody>
</table>

### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th></th>
<th>Retirement</th>
<th></th>
<th>Supplemental Death</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Cost</td>
<td>3.92%</td>
<td>2.79%</td>
<td>1.59%</td>
<td>3.10%</td>
<td>8.85%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>0.33%</td>
<td>0.15%</td>
<td>0.54%</td>
<td>2.94%</td>
<td>4.50%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>4.25%</td>
<td>2.94%</td>
<td>2.33%</td>
<td>6.04%</td>
<td>13.35%</td>
</tr>
<tr>
<td>Phase-In Rate</td>
<td>0.28%</td>
<td>0.20%</td>
<td>0.26%</td>
<td>0.17%</td>
<td>0.14%</td>
</tr>
<tr>
<td>Statutory Maximum Rate</td>
<td>N/A</td>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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</table>

### ADDITIONAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>250 years</th>
<th>30.0 years</th>
<th>6.0 years</th>
<th>24.0 years</th>
<th>27.0 years</th>
<th>25.0 years</th>
<th>26.0 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of annuitants</td>
<td>12</td>
<td>5</td>
<td>1</td>
<td>7</td>
<td>78</td>
<td>99</td>
<td>168</td>
</tr>
<tr>
<td>Number of active contributing members</td>
<td>27</td>
<td>8</td>
<td>2</td>
<td>17</td>
<td>197</td>
<td>220</td>
<td>347</td>
</tr>
<tr>
<td>Average age of contributing members</td>
<td>517 years</td>
<td>49.3 years</td>
<td>55.1 years</td>
<td>44.7 years</td>
<td>40.6 years</td>
<td>44.0 years</td>
<td>44.1 years</td>
</tr>
<tr>
<td>Average length of service of contributing members</td>
<td>9.5 years</td>
<td>7.1 years</td>
<td>13.7 years</td>
<td>9.8 years</td>
<td>9.0 years</td>
<td>10.1 years</td>
<td>10.4 years</td>
</tr>
</tbody>
</table>
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $27,725,015 $3,938,261 $1,879,791 $31,060 $13,653,650 $766,493 $1,911,311
   b. Noncontributing Members 4,116,935 860,993 67,747 25,277 2,649,530 205,822 461,651
   c. Annuitants 14,374,533 1,940,470 798,492 230,427 16,655,011 796,906 1,177,282

2. Total Actuarial Accrued Liability $46,216,483 $6,739,724 $2,746,030 $286,764 $32,958,191 $1,769,221 $3,550,244

3. Actuarial value of assets 36,837,362 5,495,599 2,903,161 269,889 30,891,253 1,844,090 3,947,869

4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) $9,379,121 $1,244,125 ($157,131) $16,875 $2,066,938 ($74,869) ($397,625)

5. Funded Ratio: (3) / (2) 79.7% 81.5% 105.7% 94.1% 93.7% 104.2% 111.2%

6. Annual Payroll $9,514,843 $1,135,437 $429,223 $88,030 $8,109,189 $685,867 $1,298,567

### CITY CONTRIBUTION RATES FOR 2015

#### Retirement
- Normal Cost 11.49% 8.26% 3.28% 3.32% 4.53% 3.33% 4.55%
- Prior Service 5.60% 9.28% -2.30% 1.09% 1.71% -0.69% -1.93%
- Total Retirement 17.09% 17.54% 0.98% 4.41% 6.24% 2.64% 2.62%
- Supplemental Death 0.19% 0.36% 0.47% 0.00% 0.28% 0.00%
- Total Rate 17.28% 17.90% 1.45% 4.41% 6.40% 2.92% 2.62%

#### Statutory Maximum Rate (Total Retirement Only)
- 7.50% 13.50%

#### Phase-In Rate (Minimum Contribution), Incl. Supplemental Death
- 17.19%

### ADDITIONAL INFORMATION

- GASB 25 Equivalent Single Amortization Period as of 1/2015: 30.0 years 24.0 years 20.0 years 30.0 years 30.0 years 30.0 years 30.0 years
- Number of annuitants: 73 18 8 3 133 10 17
- Number of active contributing members: 174 26 13 2 219 19 34
- Number of inactive members: 66 10 3 2 114 9 24
- Average age of contributing members: 43.5 years 50.8 years 55.4 years 45.8 years 40.1 years 45.6 years 47.0 years
- Average length of service of contributing members: 12.4 years 14.1 years 20.3 years 4.0 years 8.4 years 10.2 years 9.7 years
### SUMMARY OF ACTUARIAL INFORMATION

1. **Actuarial Accrued Liability**
   - Contributing Members
     - Wharton: $7,361,641
     - Wheeler: $440,324
     - White Deer: $62,109
     - White Oak: $3,813,549
     - White Settlement: $9,594,301
     - Whitesboro: $236,223
   - Noncontributing Members
     - 1,942,489
   - Annuitants
     - 3,357,168
   - Total Contributing Members: $12,661,298
   - Total Noncontributing Members: $1,106,813
   - Total Actuarial Accrued Liability: $13,768,111

2. **Unfunded/(overfunded) actuarial accrued liability: (2) - (3)**
   - (2): $236,223
   - (3): $9,594,301
   - Total Unfunded/(overfunded): $8,328,078

3. **Funded Ratio: (3) / (2)**
   - Contributing Members: 89.9%
   - Noncontributing Members: 89.7%
   - Total Contributing Members: 89.7%

4. **City Contribution Rates for 2015**
   - Retirement
     - Normal Cost: 4.75%
     - Prior Service: 1.86%
     - Total Retirement: 6.61%
   - Supplemental Death: 0.21%
   - Total Rate: 6.82%

5. **Addition Information**
   - GASB 25 Equivalent Single Amortization Period as of 1/2015
     - 26.0 years
   - Number of annuitants
     - 33
   - Number of active contributing members
     - 93
   - Number of inactive members
     - 36
   - Average age of contributing members
     - 43.0 years
   - Average length of service of contributing members
     - 11.1 years

### CITY CONTRIBUTION RATES FOR 2015

1. **Retirement**
   - Normal Cost: 4.72%
   - Prior Service: 2.63%
   - Total Retirement: 7.35%
   - Supplemental Death: 0.19%
   - Total Rate: 7.54%

2. **Additional Information**
   - GASB 25 Equivalent Single Amortization Period as of 1/2015
     - 24.0 years
   - Number of annuitants
     - 22
   - Number of active contributing members
     - 47
   - Number of inactive members
     - 25
   - Average age of contributing members
     - 45.1 years
   - Average length of service of contributing members
     - 10.3 years
### Summary of Actuarial Information

1. **Actuarial Accrued Liability**
   - **Contributing Members**: $1,215,419, $126,744, $2,391,021, $44,001, $113,521, $1,455,882, $469,247
   - **Noncontributing Members**: $551,875, $15,358, $2,733,824, $3,793, $257,202, $1,455,882, $61,388
   - **Annuitants**: $619,863, $5,156, $2,733,824, $0, $257,202, $2,963,014, $327,690

2. **Total Actuarial Accrued Liability**: $2,387,157, $147,258, $7,031,387, $47,794, $517,620, $4,566,791, $858,325

3. **Actuarial value of assets**: $2,574,769, $142,215, $6,502,980, $38,351, $561,668, $3,839,739, $684,091

4. **Unfunded/(overfunded) actuarial accrued liability**: $(2) - (3)$: $-187,612, $5,043, $528,407, $9,443, $-44,048, $727,052, $174,234

5. **Funded Ratio**: (3) / (2): 107.9%, 96.6%, 92.5%, 80.2%, 108.5%, 84.1%, 79.7%

6. **Annual Payroll**: $1,301,044, $339,995, $2,564,142, $269,267, $213,809, $1,274,506, $389,177

### City Contribution Rates for 2015

#### Retirement
- **Normal Cost**: 3.24%, 2.12%, 5.91%, 1.45%, 7.11%, 4.61%, 9.34%
- **Prior Service**: -0.91%, 0.08%, 1.17%, 0.20%, -1.30%, 3.36%, 2.54%
- **Total Retirement**: 2.33%, 2.20%, 7.08%, 1.65%, 5.81%, 7.97%, 11.88%
- **Supplemental Death**: 0.12%, 0.24%, 0.16%, 0.09%, 0.31%, 0.26%, 0.12%
- **Total Rate**: 2.45%, 2.44%, 7.24%, 1.74%, 6.12%, 8.23%, 12.00%

#### Statutory Maximum Rate (Total Retirement Only)
- 11.50%, N/A, 10.50%, N/A, N/A, 11.50%, 13.50%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**: 25.0 years, 30.0 years, 30.0 years, 30.0 years, 25.0 years, 28.0 years, 30.0 years
- **Number of annuitants**: 16, 1, 34, 0, 4, 24, 2
- **Number of active contributing members**: 38, 8, 56, 7, 5, 37, 10
- **Number of inactive members**: 40, 7, 51, 3, 1, 17, 5
- **Average age of contributing members**: 41.2 years, 47.4 years, 43.6 years, 40.1 years, 51.6 years, 44.7 years, 40.8 years
- **Average length of service of contributing members**: 8.0 years, 7.4 years, 6.7 years, 5.8 years, 5.9 years, 7.2 years, 4.3 years

### Summary of Actuarial Information

1. **Actuarial Accrued Liability**
   - **Contributing Members**: $1,052,933, $1,667,251, $8,336, $102,331, $3,882,435, $13,308,519, $309,361
   - **Noncontributing Members**: $165,577, $29,331, $2,531, $91,365, $441,651, $2,259,285, $76,855
   - **Annuitants**: $1,632,510, $779,633, $67,983, $181,197, $1,408,720, $4,331,297, $22,526


3. **Actuarial value of assets**: $2,615,332, $1,982,629, $82,706, $544,034, $4,576,268, $15,966,559, $483,499

4. **Unfunded/(overfunded) actuarial accrued liability**: $(2) - (3)$: $235,688, $493,586, $(3,856), $(69,141), $1,156,538, $3,922,542, $(74,757)

5. **Funded Ratio**: (3) / (2): 91.7%, 80.1%, 104.9%, 145.1%, 79.8%, 80.2%, 118.3%

6. **Annual Payroll**: $511,850, $1,079,528, $83,770, $335,355, $1,288,574, $4,056,315, $321,037

### City Contribution Rates for 2015

#### Retirement
- **Normal Cost**: 6.64%, 4.75%, 3.26%, 3.37%, 8.67%, 8.69%, 5.97%
- **Prior Service**: 2.90%, 2.75%, -0.29%, -3.17%, 15.66%, 15.97%, 4.50%
- **Total Retirement**: 9.54%, 7.50%, 0.20%, 0.38%, 15.86%, 16.12%, 4.60%
- **Supplemental Death**: 0.35%, 0.14%, 0.18%, 0.13%, 0.10%, 0.10%
- **Total Rate**: 9.89%, 7.64%, 0.38%, 0.49%, 16.96%, 16.23%, 4.69%

#### Statutory Maximum Rate (Total Retirement Only)
- N/A, N/A, N/A, N/A, 15.91%, 4.23%

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**: 25.0 years, 27.0 years, 25.0 years, 25.0 years, 18.0 years, 19.0 years, 25.0 years
- **Number of annuitants**: 14, 5, 2, 2, 10, 29, 1
- **Number of active contributing members**: 15, 26, 3, 9, 31, 1, 7
- **Number of inactive members**: 11, 26, 3, 4, 14, 4, 4
- **Average age of contributing members**: 46.9 years, 38.9 years, 61.2 years, 42.3 years, 44.1 years, 40.3 years, 41.4 years
- **Average length of service of contributing members**: 8.7 years, 8.2 years, 1.2 years, 7.7 years, 11.1 years, 9.9 years, 5.2 years
### SUMMARY OF ACTUARIAL INFORMATION

1. Actuarial Accrued Liability
   a. Contributing Members $32,245,346 + $9,744,913 + $483,265 + $132,830
   b. Noncontributing Members 4,707,465 + 1,175,300 + 52,185 + 61,869
   c. Annuitants 8,129,913 + 9,817,129 + 743,392 + 248,111

2. Total Actuarial Accrued Liability $45,082,724 + $20,737,342 + $1,278,842 + $442,810

3. Actuarial value of assets 33,517,701 + 16,748,279 + 1,316,057 + 449,622

4. Unfunded/(overfunded) actuarial accrued liability: $11,565,023 - (3) = $3,989,063 - ($37,215) - ($6,812)

5. Funded Ratio: $442,810 / $33,517,701 = 74.3% + 80.8% + 102.9% + 101.5%

6. Annual Payroll $15,702,399 + $3,337,630 + $464,527 + $188,765

### CITY CONTRIBUTION RATES FOR 2015

<table>
<thead>
<tr>
<th></th>
<th>Wylie</th>
<th>Yoakum</th>
<th>Yavanna</th>
<th>Zavalla</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Normal Cost</td>
<td>10.57%</td>
<td>7.59%</td>
<td>1.24%</td>
<td>2.89%</td>
</tr>
<tr>
<td>Prior Service</td>
<td>4.18%</td>
<td>8.14%</td>
<td>-0.50%</td>
<td>-0.23%</td>
</tr>
<tr>
<td>Total Retirement</td>
<td>14.75%</td>
<td>15.73%</td>
<td>0.74%</td>
<td>2.66%</td>
</tr>
<tr>
<td>Supplemental Death</td>
<td>0.12%</td>
<td>0.27%</td>
<td>0.37%</td>
<td>0.00%</td>
</tr>
<tr>
<td>Total Rate</td>
<td>14.87%</td>
<td>16.00%</td>
<td>1.11%</td>
<td>2.66%</td>
</tr>
<tr>
<td>Phase-In Rate (Minimum Contribution), Incl. Supplemental Death</td>
<td>14.07%</td>
<td>N/A</td>
<td>N/A</td>
<td>2.62%</td>
</tr>
<tr>
<td>Statutory Maximum Rate (Total Retirement Only)</td>
<td>13.50%</td>
<td>N/A</td>
<td>7.50%</td>
<td>9.50%</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- **GASB 25 Equivalent Single Amortization Period as of 1/2015**: 30.0 years, 22.0 years, 25.0 years, 25.0 years
- **Number of annuitants**: 60, 47, 11, 2
- **Number of active contributing members**: 250, 83, 15, 5
- **Number of inactive members**: 101, 44, 18, 9
- **Average age of contributing members**: 40.5 years, 45.5 years, 48.1 years, 41.5 years
- **Average length of service of contributing members**: 9.3 years, 12.2 years, 104 years, 5.4 years
<table>
<thead>
<tr>
<th>SUMMARY OF ACTUARIAL INFORMATION</th>
<th>Crystal Beach</th>
<th>Floresville No. 1</th>
<th>Graham Regional Med Center</th>
<th>Nacogdoches Memorial Hospital</th>
<th>Roy H. Laird Memorial Hospital</th>
<th>Santa Anna</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>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>b. Noncontributing Members</td>
<td>633</td>
<td>0</td>
<td>13,226,907</td>
<td>0</td>
<td>6,858,741</td>
<td>0</td>
</tr>
<tr>
<td>c. Annuitants</td>
<td>79,971</td>
<td>20,987</td>
<td>4,297,294</td>
<td>24,788</td>
<td>4,310,445</td>
<td>553</td>
</tr>
<tr>
<td>2. Total Actuarial Accrued Liability</td>
<td>$80,604</td>
<td>$20,987</td>
<td>$17,524,201</td>
<td>$24,788</td>
<td>$11,169,186</td>
<td>$553</td>
</tr>
<tr>
<td>3. Actuarial value of assets</td>
<td>349,899</td>
<td>52,712</td>
<td>18,403,600</td>
<td>1,676,366</td>
<td>10,759,068</td>
<td>443,607</td>
</tr>
<tr>
<td>4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)</td>
<td>($269,295)</td>
<td>($31,725)</td>
<td>($10,879,399)</td>
<td>($1,323,578)</td>
<td>$490,118</td>
<td>($443,954)</td>
</tr>
<tr>
<td>5. Funded Ratio: (3) / (2)</td>
<td>434.1%</td>
<td>251.2%</td>
<td>106.2%</td>
<td>6762.8%</td>
<td>96.1%</td>
<td>82218.3%</td>
</tr>
<tr>
<td>6. Annual Payroll</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
</tbody>
</table>

| CITY CONTRIBUTION AMOUNT FOR 2015 | $ - | $ - | $ - | $ - | $ 47,537 | $ - |
| Amortization Period               | N/A | N/A | N/A | N/A | 14 years  | N/A |

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Number of annuitants</td>
<td>1</td>
<td>1</td>
<td>55</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>314</td>
<td>0</td>
<td>52</td>
<td>0</td>
</tr>
</tbody>
</table>