

Actuarial

Actuary's Certification Letter (Pension Trust Fund)



Gabriel Roeder Smith & Company
Consultants & Actuaries

May 7, 2012

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

Dear Trustees:

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

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

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

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

The financing objective for each TMRS plan is to provide retirement, death and disability benefits for a member city's employees financed by an employer contribution rate. This rate is determined annually and is expected to remain approximately level as a percentage of the employer's covered payroll. In TMRS, a city's actuarially determined contribution rate consists of two components: the employer normal cost contribution rate and the prior service contribution rate. Both rates are determined as a level percentage of payroll. The normal cost contribution rate finances the portion of an active member's projected retirement benefit allocated annually. The prior service contribution rate amortizes the unfunded actuarial accrued liability ("UAAL") over the applicable period for that city. Both the normal cost and prior service contribution rates include recognition of the projected impact of annually repeating updated service credits and annuity increases.

Board of Trustees
May 7, 2012
Page 2 of 2

The employer contribution rates for the municipalities participating in TMRS are certified annually by the Board of Trustees. These rates are actuarially determined and are based upon the plan provisions in effect as of March 1, 2012 and the actuarial assumptions and methodology adopted by the Board. The Board's current policy is that the contribution rates determined by a given actuarial valuation become effective one (1) year after the valuation date. For example, the rates determined by the December 31, 2011 actuarial valuation will be applicable for the calendar year beginning January 1, 2013 and ending December 31, 2013.

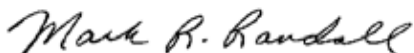
To test how well the financing objective for each plan is being achieved, annual actuarial valuations are made. These actuarial valuations recognize differences in the past year between the actuarial assumptions and the actual experience, and any benefit changes for each plan. A separate actuarial valuation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

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

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

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

Respectfully submitted,



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



Joseph P. Newton, MAAA, FSA, EA
Senior Consultant

Summary of Actuarial Assumptions (Pension Trust Fund)

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

I. Economic Assumptions

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

B. Discount/Crediting Rates

1. System-wide Investment Return Assumption: 7.00% per year, compounded annually, composed of an assumed 3.00% inflation rate and a 4.00% net real rate of return. This rate represents the assumed return, net of all investment and administrative expenses. This is the discount rate used to value the liabilities of the individual employers.
2. Assumed discount/crediting rate for Supplemental Disability Benefits Fund and individual employee accounts: an annual rate of 5.00% for (1) accumulating prior service credit and updated service credit after the valuation date, (2) accumulating the employee current service balances, (3) determining the amount of the monthly benefit at future dates of retirement or disability, and (4) calculating the actuarial liability of the System-wide Supplemental Disability Benefits Fund.

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

D. Individual Salary Increases – Salary increases are assumed to occur once a year, on January 1. Therefore, the pay used for the period year following the valuation date is equal to the reported pay for the prior year, increased by the salary increase assumption.

Summary of Actuarial Assumptions (Pension Trust Fund)

CONTINUED

Age	Rate (%)
20	5.25
25	5.25
30	5.25
35	5.00
40	4.50
45	4.50
50	4.00
55	4.00
60	3.75
65 & over	3.50

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:

Years of Service	Rate (%)
0 - 1	12.00
1 - 2	9.00
2 - 3	7.00
3 - 4	7.00
4 - 5	6.00
5 - 6	6.00
6 - 7	5.50
7 - 8	5.50
8 - 9	5.50
9 - 10	5.50

- 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.

Summary of Actuarial Assumptions (Pension Trust Fund)

CONTINUED

II. Demographic Assumptions

A. Termination Rates

- 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:

Males	Years of Service										
	Age	0	1	2	3	4	5	6	7	8	9
	20	0.3298	0.2707	0.2229	0.1876	0.1620	0.1426	0.1249	0.1094	0.0979	0.0867
	25	0.3123	0.2485	0.2020	0.1701	0.1479	0.1308	0.1152	0.1013	0.0906	0.0810
	30	0.2930	0.2235	0.1775	0.1490	0.1305	0.1163	0.1033	0.0914	0.0818	0.0744
	35	0.2778	0.2089	0.1632	0.1356	0.1186	0.1059	0.0946	0.0842	0.0757	0.0696
	40	0.2641	0.1987	0.1538	0.1264	0.1099	0.0980	0.0880	0.0789	0.0713	0.0661
	45	0.2506	0.1900	0.1470	0.1199	0.1035	0.0922	0.0832	0.0752	0.0685	0.0635
	50	0.2364	0.1811	0.1410	0.1149	0.0987	0.0880	0.0799	0.0730	0.0669	0.0616
	55	0.2215	0.1718	0.1356	0.1110	0.0950	0.0854	0.0781	0.0720	0.0662	0.0601
	60	0.2057	0.1623	0.1307	0.1082	0.0926	0.0844	0.0777	0.0723	0.0666	0.0591
	65	0.1899	0.1530	0.1262	0.1058	0.0905	0.0839	0.0778	0.0731	0.0674	0.0584
	70	0.1725	0.1427	0.1211	0.1031	0.0881	0.0832	0.0778	0.0739	0.0681	0.0575

Females	Years of Service										
	Age	0	1	2	3	4	5	6	7	8	9
	20	0.3289	0.2849	0.2465	0.2162	0.1941	0.1780	0.1621	0.1446	0.1274	0.1114
	25	0.3079	0.2623	0.2252	0.1972	0.1774	0.1633	0.1496	0.1346	0.1191	0.1037
	30	0.2837	0.2343	0.1976	0.1718	0.1549	0.1434	0.1330	0.1214	0.1084	0.0938
	35	0.2664	0.2138	0.1761	0.1512	0.1360	0.1264	0.1185	0.1094	0.0984	0.0851
	40	0.2532	0.1977	0.1585	0.1335	0.1192	0.1110	0.1048	0.0978	0.0887	0.0770
	45	0.2427	0.1856	0.1449	0.1194	0.1051	0.0973	0.0921	0.0865	0.0792	0.0696
	50	0.2337	0.1765	0.1352	0.1088	0.0936	0.0854	0.0802	0.0755	0.0698	0.0629
	55	0.2250	0.1699	0.1294	0.1020	0.0849	0.0753	0.0692	0.0647	0.0606	0.0569
	60	0.2166	0.1659	0.1277	0.0992	0.0793	0.0671	0.0590	0.0541	0.0515	0.0516
	65	0.2082	0.1629	0.1275	0.0979	0.0749	0.0596	0.0493	0.0437	0.0426	0.0467
	70	0.1990	0.1593	0.1270	0.0962	0.0697	0.0512	0.0384	0.0322	0.0327	0.0412

- 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

Summary of Actuarial Assumptions (Pension Trust Fund)

CONTINUED

employee's classification: 1) Fire – 54%, 2) Police – 80%, or 3) Other – 109%. A sample of the base rates follows:

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

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.

Age	Percent of Terminating Employees Choosing to Take a Refund
25	52.0%
30	47.9%
35	43.8%
40	39.7%
45	35.6%
50	31.5%
55	27.4%

Forfeiture rates end at first eligibility for retirement.

Summary of Actuarial Assumptions (Pension Trust Fund)

CONTINUED

C. Service Retirees and Beneficiary Mortality Rates

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

Age	Males	Females
40	0.001053	0.000675
45	0.001450	0.001071
50	0.002025	0.001592
55	0.003421	0.002652
60	0.006428	0.004980
65	0.012210	0.009561
70	0.021222	0.016492
75	0.036267	0.027437
80	0.062456	0.044922

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

D. Disabled Annuitant Mortality Rates

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

Age	Males	Females
40	0.018057	0.005960
45	0.018057	0.005960
50	0.023180	0.009228
55	0.028354	0.013235
60	0.033634	0.017471
65	0.040139	0.022421
70	0.050066	0.030108
75	0.065654	0.041784
80	0.087498	0.057850

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

Summary of Actuarial Assumptions (Pension Trust Fund)

CONTINUED

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

Age	Males	Females
20	0.000254	0.000162
25	0.000326	0.000182
30	0.000365	0.000198
35	0.000437	0.000256
40	0.000761	0.000459
45	0.001053	0.000675
50	0.001450	0.001071
55	0.002025	0.001592
60	0.003421	0.002652
65	0.006428	0.004980

- F. Disability Rates**

Age	Males	Females
20	0.000042	0.000014
25	0.000049	0.000021
30	0.000095	0.000043
35	0.000265	0.000131
40	0.000673	0.000359
45	0.001295	0.000754
50	0.002082	0.001333
55	0.003061	0.002178
60	0.003842	0.002990
65	0.000042	0.000014

Summary of Actuarial Assumptions (Pension Trust Fund)

CONTINUED

G. Service Retirement Rates (applied to both active and inactive members)

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

Age	Males			Females		
	Entry Age Groups			Entry Age Groups		
	Ages 32 and under	Ages 33-47	Ages 48 and over	Ages 32 and under	Ages 33-47	Ages 48 and over
40-44	0.06	-	-	0.06	-	-
45-49	0.06	-	-	0.06	-	-
50-52	0.08	-	-	0.08	-	-
53	0.08	0.10	-	0.08	0.10	-
54	0.08	0.10	-	0.11	0.10	-
55-59	0.14	0.10	-	0.11	0.10	-
60	0.20	0.15	0.10	0.14	0.15	0.10
61	0.25	0.30	0.20	0.28	0.26	0.20
62	0.32	0.25	0.12	0.28	0.17	0.12
63	0.32	0.23	0.12	0.28	0.17	0.12
64	0.32	0.35	0.20	0.28	0.22	0.20
65	0.32	0.32	0.20	0.28	0.27	0.20
66-69	0.22	0.22	0.17	0.22	0.22	0.17
70-74	0.20	0.22	0.25	0.22	0.22	0.25
75 and over	1.00	1.00	1.00	1.00	1.00	1.00

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

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

Employer Match	Employee Contribution Rate		
	5%	6%	7%
1-1	0.75	0.80	0.84
1.5-1	0.81	0.86	0.92
2-1	0.86	0.93	1.00

Recurring COLA: 1.00

No Recurring COLA: 0.90

III. Methods and Assumptions

- A. Valuation of Assets** — The actuarial value of assets is based on the market value of assets with ten-year smoothing applied. This is accomplished by recognizing each year 10% of the difference between the market value of assets and the expected actuarial value of assets, based upon the assumed valuation rate of return. The actuarial value of assets is further adjusted by 33% of any difference between the initial value and a 15% corridor around the market value of assets, if necessary. If the corridor is applicable for a given year, the next year's expected actuarial value of assets will be determined from the post-corridor adjusted value.
- B. Small City Methodology** — For cities with fewer than 20 employees, more conservative methods and assumptions are used. First, lower termination rates are used for smaller cities, with maximum multipliers of 75% for employers with less than 6 members, 85% for employers with 6 to 10 members, and 100% for employers with 11 to 15 members.

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

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

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

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

Summary of Actuarial Assumptions (Pension Trust Fund)

CONTINUED

IV. Other Assumptions

1. Valuation payroll (used for determining the amortization contribution rate): A three-year exponential average of the actual salaries paid during the prior fiscal years, moved forward with one year's payroll growth rate.
2. Individual salaries used to project benefits: Actual salaries from the past three fiscal years are used to determine the USC final average salary as of the valuation date. For future salaries, a three-year exponential moving average of the past three years is projected forward with one year's salary scale.
3. Pay increase timing: Beginning of (fiscal) year. This is equivalent to assuming that reported salaries represent amounts paid to members during the year ended on the valuation date.
4. Percent married: 75% of male and 70% of female employees are assumed to be married.
5. Age difference: Male members are assumed to be three years older than their spouses, and female members are assumed to be three years younger than their spouses.
6. Percent electing annuity on death (when eligible): All of the spouses of vested, married participants are assumed to elect an immediate life annuity.
7. Partial Lump Sum utilization: It is assumed that each member at retirement will withdraw 40% of his/her eligible account balance.
8. Inactive population: All non-vested members of a city are assumed to take an immediate refund if they are not contributing members in another city. Vested members not contributing in another city are assumed to take a deferred retirement benefit, except for those who have terminated in the past 12 months for whom one year of forfeiture probability is assumed. The forfeiture rates for inactive members of a city who are contributing members in another city are equal to the probability of termination multiplied by the forfeiture rates shown in II(A) and II(B), respectively. These rates are applied each year until retirement eligibility. Once a member is retirement eligible, he or she is assumed to commence benefits based on the service retirement rates shown in II(G).
9. There will be no recoveries once disabled.
10. No surviving spouse will remarry and there will be no children's benefit.
11. Decrement timing: Decrements of all types are assumed to occur mid-year.
12. Eligibility testing: Eligibility for benefits is determined based upon the age nearest birthday and service nearest whole year on the date the decrement is assumed to occur.
13. 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 upon 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.

Definitions (Pension Trust Fund)

- 1. Actuarial gain (loss)** — A measure of the difference between actual experience and that expected based upon the actuarial assumptions, during the period between two actuarial valuation dates, as determined in accordance with the actuarial cost method used.
- 2. Actuarial accrued liability** — The actuarial present value of benefits attributable to all periods prior to the valuation date.
- 3. Actuarial present value** — The value of an amount or series of amounts payable or receivable at various times, determined as of a given date (the valuation date) by the application of the actuarial assumptions.
- 4. Actuarial value of assets** — The value of cash, investments, and other property belonging to a pension plan, as used by the actuary for the purpose of an actuarial valuation.
- 5. Amortization period** — The period over which the existing unfunded or overfunded actuarial accrued liability is projected to be paid off, as a level percentage of payroll. Previously, this was an open, 25-year period. Effective with the December 31, 2007 valuation, the period is closed. In addition, for cities that experienced an increase in their 2009 rate of more than 0.5% of pay due to the assumption and funding method changes with the 2007 valuation, the period was extended from 25 to 30 years.
- 6. Annual required contributions (ARC)** — The employer's periodic required contributions to the defined benefit pension plan, calculated in accordance with GASB parameters under Statement 25.
- 7. Average age of contributing members** — The average attained age as of the valuation date.
- 8. Average length of service of contributing members** — The average length of total credited service in TMRS as of the valuation date.
- 9. Current service benefits** — Benefits attributable to the member's accumulated deposits and an amount provided by the municipality at retirement to match the accumulated deposits at the matching ratio in effect when the deposits were made.
- 10. Funded ratio** — The actuarial value of assets expressed as a percentage of the actuarial accrued liability.
- 11. Funding policy** — The program for the amounts and timing of contributions to be made by plan members and employers to provide the benefits specified by a pension plan.
- 12. Normal cost contribution rate** — The actuarial present value of benefits allocated to a valuation year by the actuarial cost method, expressed as a percentage of the covered payroll. It is equal to the sum of the actuarial present value of benefits allocated to the year following the valuation date divided by the compensation expected to be received during the next year for the closed group of members as of the valuation date.
- 13. Overfunded actuarial accrued liability** — The excess of the actuarial value of assets over the actuarial accrued liability.
- 14. Phase-in rate** — Some cities experienced a significant increase in their calculated contribution rate due to actuarial assumption and method changes in the 2007 and 2008 valuations. The Full Rate less one-eighth of the increase from 2007, and one-seventh of the increase from 2008 is the phase-in rate, which is also called the minimum contribution rate. The amount remaining to be phased in was reduced for any city that has decreased benefits by the amount of the reduction in the full rate due to the change. The amount was similarly reduced by the impact of the Fund Restructuring effective for the December 31, 2010 valuation.
- 15. Prior service benefits** — Benefits other than current service benefits. These include all benefits arising from prior service credits, special prior service credits, antecedent service credits, updated service credits, and increases in monthly benefit payments to annuitants (also referred to as Annuity Increases, or AI).
- 16. Prior service contribution rate** — The level percentage of payroll required to amortize the unfunded or overfunded actuarial liability over a specified amortization period. If the rate is negative, it is offset against the normal cost contribution rate, with the limitation that the sum of the two rates cannot be negative.
- 17. Projected Unit Credit actuarial cost method** — A method under which the benefits of each individual included in the valuation are allocated by a consistent formula to valuation years based on years of service. Benefits are allocated equally to each year of service over the individual's career from hire to retirement. Normal costs are based on the portion of the benefit allocated to the year following the valuation year. Accrued liabilities are based on benefits allocated to the time preceding the date of the actuarial valuation. Under this method, actuarial gains (or losses), as they occur, reduce (or increase) the unfunded actuarial liability.
- 18. Retirement contribution rate** — The sum of the normal cost contribution rate and the prior service contribution rate.
- 19. Unfunded actuarial accrued liability** — The excess of the actuarial accrued liability over the actuarial value of assets.
- 20. Unit Credit actuarial cost method** — A method under which the benefits of each individual included in the valuation are allocated by a consistent formula to valuation years. Current service benefits are a function of a member's deposits, and are allocated to the year in which deposits are made. Prior service benefits are allocated to the time preceding the date of the actuarial valuation. Under this method, actuarial gains (or losses), as they occur, reduce (or increase) the unfunded actuarial accrued liability.

Participating Employers & Active Members (Pension Trust Fund)

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

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

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

Retiree and Beneficiary Data (Pension Trust Fund)

Year Ended	Added to Rolls		Removed from Rolls		End of Year		% Increase in Annual Benefit	Average Annual Benefit
	Number of Accounts	Annual Benefit	Number of Accounts	Annual Benefit	Number of Accounts	Annual Benefit		
12/31/2006	2,834	\$ 42,869,323	629	\$ 6,559,422	32,175	\$ 477,661,259	10.7 %	\$ 14,846
12/31/2007	2,933	44,549,919	598	6,241,842	34,510	523,995,541	9.7	15,184
12/31/2008	2,962	59,560,238	609	6,232,194	36,863	577,323,585	10.2	15,656
12/31/2009	2,750	43,466,305	633	7,356,347	38,980	613,433,543	6.3	15,737
12/31/2010	3,193	61,116,748	714	8,750,654	41,459	665,799,637	8.5	16,059
12/31/2011	3,390	58,001,287	782	4,399,586	44,067	719,401,338	8.1	16,325

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

The annual benefit is 12 times the amount payable in January following the valuation date, including any annuity increase, if applicable.

Summary of Actuarial Liabilities & Funding Progress (Pension Trust Fund)

(Amounts in Millions of Dollars)

Annual Report Year	Actuarial Value of Assets	Actuarial Accrued Liability (AAL)	Funded Ratio (1) / (2)	Unfunded AAL (UAAL) (2) - (1)	Covered Payroll	UAAL as a Percentage of Covered Payroll (4) / (5)	City Contributions	Average City Rate (7) / (5)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2006	\$ 13,312.7	\$ 16,219.7	82.1	\$ 2,907.0	\$ 3,949.2	73.6 %	\$ 470.7	11.9 %
2007*	14,203.3	19,278.8	73.7	5,075.5	4,221.3	120.2	512.9	12.2
2008	15,149.7	20,360.8	74.4	5,211.1	4,530.0	115.0	567.2	12.5
2009	16,305.7	21,525.1	75.8	5,219.4	4,769.0	109.4	641.7	13.5
2010**	16,986.0	20,481.5	82.9	3,495.5	4,797.9	72.9	679.3	14.2
2011	18,347.0	21,563.3	85.1	3,216.4	4,853.3	66.3	703.8	14.5

Each city participating in TMRS is financially responsible for its own plan. Therefore, the aggregate numbers shown above reflect only the aggregate condition of TMRS and do not indicate the status of any one plan.

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

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

** Actuarial assumptions were modified with the December 31, 2010 valuation, along with a change in the funding structure that resulted from the passage of Senate Bill 350.

Funded Portion of Actuarial Liabilities by Type (Pension Trust Fund)

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

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

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

Each city participating in TMRS is financially responsible for its own plan. Therefore, the aggregate numbers shown above reflect only the aggregate condition of TMRS and do not indicate the status of any one plan.

Contribution Rate Information (Pension Trust Fund)

Distribution of Cities by Total 2013 Contribution Rate										
2013 City Total Calculated Retirement Contribution Rate Based on the Plan of Benefits in Effect on March 1, 2012										
Number of Contributing Members as of 12/31/2011	Under 3.00%	3.00 - 5.49%	5.50 - 7.99%	8.00 - 10.49%	10.50 - 12.99%	13.00 - 15.49%	15.50 - 17.99%	18.00 - 20.49%	Over 20.49%	Total
1 - 5	38	24	11	8	3	4	1	1	2	92
6 - 10	66	18	17	9	3	3	2	1	-	119
11 - 20	60	29	16	15	7	7	4	3	3	144
21 - 40	31	19	29	28	11	9	5	3	4	139
41 - 70	6	14	10	15	19	14	10	1	-	89
71 - 100	1	4	3	13	16	5	12	4	-	58
101 - 150	2	3	7	12	15	8	10	4	3	64
151 - 250	2	3	5	2	7	13	11	4	1	48
251 - 750	-	3	3	8	10	16	10	10	1	61
OVER 750	-	2	1	4	3	7	4	5	2	28
TOTAL	206	119	102	114	94	86	69	36	16	842

Contribution Rate Information (Pension Trust Fund)

CONTINUED

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				
Number of Cities				
Valuation Date	Decrease of 0.50% or More	Decrease or Increase of Less than 0.50%	Increase of 0.50% or More	Total
12/31/2006	97	556	163	816
12/31/2007(O)	119	582	122	823
12/31/2007(N)	184	145	494	823
12/31/2007(P)	211	365	247	823
12/31/2008*	125	338	360	823
12/31/2009*	90	570	169	829
12/31/2010*	746	72	14	832
12/31/2011*	118	586	133	837

* Counts reflect only active cities as of the prior year's valuation.

The financing objective for each TMRS plan is to finance long-term benefit promises through contributions that remain approximately level from year to year as a percentage of the city's payroll. To test how well the financing objective is being achieved, an actuarial valuation is made each year to determine the city's contribution rate for the calendar year beginning one year after the valuation date, which is then compared to the prior year's rate.

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

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

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

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

Analysis of Financial Experience (Pension Trust Fund)

Changes in the Unfunded Actuarial Accrued Liability (Amounts in Millions)		
	2011	2010
Interest	259.5	\$361.8
Amortization payments	(233.3)	(301.1)
Asset experience	(24.9)	(111.8)
Assumption changes / legislative changes	-	(1,390.7)
Liability experience	(198.5)	(78.0)
Benefit modifications	(36.1)	(293.1)
Contributions different than actuarially calculated	(45.9)	89.0
Total	(279.2)	\$(1,723.9)

Actuary's Certification Letter (Supplemental Death Benefits Fund)



Gabriel Roeder Smith & Company
Consultants & Actuaries

May 9, 2012

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

Dear Trustees:

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

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

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

The TMRS Supplemental Death Benefits Fund is an optional cost-sharing multiple-employer defined benefit group life insurance plan. It provides death benefits to both active and retired members. Each participating municipality can elect to cover just active members, or active and retired members. A supplemental death contribution rate is determined annually for each participating municipality as a percentage of that city's covered payroll. The contribution rate finances the expected benefit payments each year on a pay-as-you-go basis. However, this method does not meet the parameters under GASB Statements No. 43 and 45. Therefore, for purposes of meeting the GASB financial reporting requirements, retiree benefits are evaluated using the projected unit credit actuarial cost method for determining the Other Post-Employment Benefits ("OPEB") cost. To the extent that experience differs from what is expected, the pooled assets of the Supplemental Death Benefits Fund act as a reserve. Since the benefit from this Fund is a flat dollar amount, not subject to inflationary factors, and since the asset reserve is adequate to cover adverse experience, we believe that the pay-as-you-go funding approach is reasonable and appropriate.

Board of Trustees
May 9, 2012
Page 2

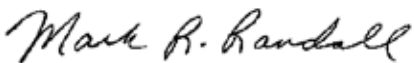
The employer contribution rates for the municipalities participating in the TMRS Supplemental Death Benefits Fund are certified annually by the Board of Trustees. These rates are determined actuarially, based on the plan provisions in effect as of March 1, 2012 and the actuarial assumptions and methodology adopted by the Board. The Board's current policy is that the contribution rates determined by a given actuarial valuation become effective one (1) year after the valuation date. For example, the rates determined by the December 31, 2011 actuarial valuation will be applicable for the calendar year beginning January 1, 2013 and ending December 31, 2013.

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

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

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

Respectfully submitted,



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



Joseph P. Newton, MAAA, FSA, EA
Senior Consultant

Summary of Actuarial Assumptions (Supplemental Death Benefits Fund)

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

I. Economic Assumptions

- A. General Inflation** – General inflation is assumed to be 3.00% per year.
- B. Discount/Crediting Rates** – 4.25% per year, compounded annually, and derived as a blend of 5.00% for the portion of the benefits financed by advance funding contributions and a short-term interest rate for the portion of the benefits financed by current contributions.
- C. Overall Payroll Growth** – 3.00% per year, which is used to calculate the contribution rates for the retirement plan of each participating city as a level percentage of payroll. This represents the expected increase in total payroll. This increase rate is solely due to the effect of wage inflation on salaries, with no allowance for future membership growth.

II. Demographic Assumptions

A. Termination Rates

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

Males	Years of Service									
	0	1	2	3	4	5	6	7	8	9
Age										
20	0.3298	0.2707	0.2229	0.1876	0.1620	0.1426	0.1249	0.1094	0.0979	0.0867
25	0.3123	0.2485	0.2020	0.1701	0.1479	0.1308	0.1152	0.1013	0.0906	0.0810
30	0.2930	0.2235	0.1775	0.1490	0.1305	0.1163	0.1033	0.0914	0.0818	0.0744
35	0.2778	0.2089	0.1632	0.1356	0.1186	0.1059	0.0946	0.0842	0.0757	0.0696
40	0.2641	0.1987	0.1538	0.1264	0.1099	0.0980	0.0880	0.0789	0.0713	0.0661
45	0.2506	0.1900	0.1470	0.1199	0.1035	0.0922	0.0832	0.0752	0.0685	0.0635
50	0.2364	0.1811	0.1410	0.1149	0.0987	0.0880	0.0799	0.0730	0.0669	0.0616
55	0.2215	0.1718	0.1356	0.1110	0.0950	0.0854	0.0781	0.0720	0.0662	0.0601
60	0.2057	0.1623	0.1307	0.1082	0.0926	0.0844	0.0777	0.0723	0.0666	0.0591
65	0.1899	0.1530	0.1262	0.1058	0.0905	0.0839	0.0778	0.0731	0.0674	0.0584
70	0.1725	0.1427	0.1211	0.1031	0.0881	0.0832	0.0778	0.0739	0.0681	0.0575

Summary of Actuarial Assumptions (Supplemental Death Benefits Fund)

CONTINUED

Females	Years of Service										
	Age	0	1	2	3	4	5	6	7	8	9
	20	0.3289	0.2849	0.2465	0.2162	0.1941	0.1780	0.1621	0.1446	0.1274	0.1114
	25	0.3079	0.2623	0.2252	0.1972	0.1774	0.1633	0.1496	0.1346	0.1191	0.1037
	30	0.2837	0.2343	0.1976	0.1718	0.1549	0.1434	0.1330	0.1214	0.1084	0.0938
	35	0.2664	0.2138	0.1761	0.1512	0.1360	0.1264	0.1185	0.1094	0.0984	0.0851
	40	0.2532	0.1977	0.1585	0.1335	0.1192	0.1110	0.1048	0.0978	0.0887	0.0770
	45	0.2427	0.1856	0.1449	0.1194	0.1051	0.0973	0.0921	0.0865	0.0792	0.0696
	50	0.2337	0.1765	0.1352	0.1088	0.0936	0.0854	0.0802	0.0755	0.0698	0.0629
	55	0.2250	0.1699	0.1294	0.1020	0.0849	0.0753	0.0692	0.0647	0.0606	0.0569
	60	0.2166	0.1659	0.1277	0.0992	0.0793	0.0671	0.0590	0.0541	0.0515	0.0516
	65	0.2082	0.1629	0.1275	0.0979	0.0749	0.0596	0.0493	0.0437	0.0426	0.0467
	70	0.1990	0.1593	0.1270	0.0962	0.0697	0.0512	0.0384	0.0322	0.0327	0.0412

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

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

Termination rates end at first eligibility for retirement.

Summary of Actuarial Assumptions (Supplemental Death Benefits Fund)

CONTINUED

- 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.

Age	Percent of Terminating Employees Choosing to Take a Refund
25	52.0%
30	47.9%
35	43.8%
40	39.7%
45	35.6%
50	31.5%
55	27.4%

Forfeiture rates end at first eligibility for retirement.

C. Service Retirees and Beneficiary Mortality Rates

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

Age	Males	Females
40	0.001053	0.000675
45	0.001450	0.001071
50	0.002025	0.001592
55	0.003421	0.002652
60	0.006428	0.004980
65	0.012210	0.009561
70	0.021222	0.016492
75	0.036267	0.027437
80	0.062456	0.044922

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%.

Age	Males	Females
40	0.018057	0.005960
45	0.018057	0.005960
50	0.023180	0.009228
55	0.028354	0.013235
60	0.033634	0.017471
65	0.040139	0.022421
70	0.050066	0.030108
75	0.065654	0.041784
80	0.087498	0.057850

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.

Age	Males	Females
20	0.000254	0.000162
25	0.000326	0.000182
30	0.000365	0.000198
35	0.000437	0.000256
40	0.000761	0.000459
45	0.001053	0.000675
50	0.001450	0.001071
55	0.002025	0.001592
60	0.003421	0.002652
65	0.006428	0.004980

Summary of Actuarial Assumptions (Supplemental Death Benefits Fund)

CONTINUED

F. Disability Rates

Age	Males	Females
20	0.000042	0.000014
25	0.000049	0.000021
30	0.000095	0.000043
35	0.000265	0.000131
40	0.000673	0.000359
45	0.001295	0.000754
50	0.002082	0.001333
55	0.003061	0.002178
60	0.003842	0.002990
65	0.000042	0.000014

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

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

Age	Males			Females		
	Entry Age Groups			Entry Age Groups		
	Ages 32 and under	Ages 33-47	Ages 48 and over	Ages 32 and under	Ages 33-47	Ages 48 and over
40-44	0.06	-	-	0.06	-	-
45-49	0.06	-	-	0.06	-	-
50-52	0.08	-	-	0.08	-	-
53	0.08	0.10	-	0.08	0.10	-
54	0.08	0.10	-	0.11	0.10	-
55-59	0.14	0.10	-	0.11	0.10	-
60	0.20	0.15	0.10	0.14	0.15	0.10
61	0.25	0.30	0.20	0.28	0.26	0.20
62	0.32	0.25	0.12	0.28	0.17	0.12
63	0.32	0.23	0.12	0.28	0.17	0.12
64	0.32	0.35	0.20	0.28	0.22	0.20
65	0.32	0.32	0.20	0.28	0.27	0.20
66-69	0.22	0.22	0.17	0.22	0.22	0.17
70-74	0.20	0.22	0.25	0.22	0.22	0.25
75 and over	1.00	1.00	1.00	1.00	1.00	1.00

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

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

Employer Match	Employee Contribution Rate		
	5%	6%	7%
1 - 1	0.75	0.80	0.84
1.5 - 1	0.81	0.86	0.92
2 - 1	0.86	0.93	1.00

Recurring COLA: 1.00
 No Recurring COLA: 0.90

III. Methods and Assumptions

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

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

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

IV. Other Assumptions

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

Summary of Actuarial Assumptions (Supplemental Death Benefits Fund)

CONTINUED

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.

Definitions (Supplemental Death Benefits 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. Annual required contributions (ARC)** — The employer's periodic required contributions to the OPEB plan, calculated in accordance with GASB parameters under Statement 43.
- 5. Actuarial value of assets** — The value of cash, investments, and other property belonging to the plan, as used by the actuary for the purpose of an actuarial valuation. For this OPEB plan, assets are valued at "fund value" (or fund balance) as these assets are pooled with those of the TMRS Pension Trust Fund, under the provisions of the TMRS Act.
- 6. Funded ratio** — The actuarial value of assets expressed as a percentage of the actuarial accrued liability.
- 7. Funding policy** — The program for the amounts and timing of contributions to be made by plan members and employers to provide the benefits specified by an OPEB plan.
- 8. Other post-employment benefits (OPEB)** — Post-employment benefits other than pension benefits. Specifically, for TMRS, the \$7,500 Supplemental Death Benefit payable to the retirees of municipalities that have elected to offer this benefit.
- 9. Projected Unit Credit actuarial cost method** — A method under which the benefits of each individual included in the valuation are allocated by a consistent formula to valuation years based on years of service. Benefits are allocated equally to each year of service over the individual's career from hire to retirement. Normal costs are based on the portion of the benefit allocated to the year following the valuation year. Accrued liabilities are based on benefits allocated to the time preceding the date of the actuarial valuation. Under this method, actuarial gains (or losses), as they occur, reduce (or increase) the unfunded actuarial liability.
- 10. Supplemental death contribution rate** — The actuarial present value of Supplemental Death Benefits expected to be paid during the coming year, expressed as a percentage of the covered payroll. The benefits include those payable to both active and retired participants after retirement, under the provisions adopted by each municipality.
- 11. Unfunded actuarial accrued liability** — The excess of the actuarial accrued liability over the actuarial value of assets.

Summary of Actuarial Liabilities & Funding Progress (Supplemental Death Benefits Fund)

(Amounts in Millions of Dollars)

Annual Report Year	Actuarial Value of Assets	Actuarial Accrued Liability (AAL)	Funded Ratio (1) / (2)	Unfunded AAL (UAAL) (2) - (1)	Covered Payroll	UAAL Divided by Covered Payroll (4) / (5)
	(1)	(2)	(3)	(4)	(5)	(6)
2007	\$ 24.7	\$ 113.6	21.7 %	\$ 88.9	\$ 2,853.5	3.1 %
2008	26.1	120.9	21.6	94.8	2,985.0	3.2
2009	27.2	139.1	19.6	111.9	3,148.4	3.5
2010	27.1	147.7	18.3	120.6	3,103.5	3.9
2011	27.7	139.2	19.9	111.5	3,129.2	3.6

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.

Actuarial Valuation of Participating Municipalities

	Abernathy	Abitene	Addison	Alamo	Alamo Heights	Alba	Albany
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$546,673	\$94,752,971	\$45,699,765	\$4,977,251	\$7,710,609	\$110,930	\$146,313
b. Noncontributing Members	56,496	17,947,802	9,695,325	650,724	2,274,789	0	30,137
c. Annuitants	309,695	116,792,920	35,220,488	679,328	8,616,311	36,220	358,147
2. Total Actuarial Accrued Liability	\$912,864	\$229,493,693	\$90,615,578	\$6,307,303	\$18,601,709	\$147,150	\$534,597
3. Actuarial value of assets	804,989	214,301,180	89,359,781	4,693,873	12,121,802	143,636	585,737
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$107,875	\$15,192,513	\$1,255,797	\$1,613,430	\$6,479,907	\$3,514	\$(51,140)
5. Funded Ratio: (3) / (2)	88.2%	93.4%	98.6%	74.4%	65.2%	97.6%	109.6%
6. Annual Payroll	\$499,339	\$39,282,177	\$16,727,026	\$3,835,941	\$4,796,051	\$211,524	\$494,939
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.55%	9.04%	9.41%	4.94%	7.65%	2.01%	0.79%
Prior Service	1.53%	2.44%	0.68%	2.58%	8.29%	0.11%	-0.65%
Total Retirement	4.08%	11.48%	10.09%	7.52%	15.94%	2.12%	0.14%
Supplemental Death	0.33%	0.24%	0.16%	0.15%	0.18%	0.14%	0.23%
Total Rate	4.41%	11.72%	10.25%	7.67%	16.12%	2.26%	0.37%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	N/A	15.50%	9.50%	N/A	N/A	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	20.7 years	24.9 years	14.6 years	26.1 years	26.1 years	23.0 years	25.0 years
Number of active contributing members	6	664	134	14	59	1	7
Number of inactive members	14	948	253	118	98	5	16
Average age of contributing members	9	352	135	72	48	0	10
Average length of service of contributing members	41.4 years	44.1 years	41.5 years	41.5 years	40.5 years	50.1 years	41.3 years
	10.5 years	11.0 years	12.0 years	9.5 years	11.2 years	7.7 years	3.6 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$288,849	\$18,506,826	\$75,876,081	\$2,519,287	\$102,790	\$1,746,752	\$1,197,059
b. Noncontributing Members	80,537	2,432,382	12,217,520	342,259	263,421	609,503	232,979
c. Annuitants	92,790	10,720,773	20,443,628	1,733,966	277,499	160,742	219,930
2. Total Actuarial Accrued Liability	\$462,176	\$31,659,981	\$108,537,229	\$4,595,512	\$643,710	\$2,516,997	\$1,649,968
3. Actuarial value of assets	382,145	27,372,749	86,384,487	5,629,161	659,257	1,879,487	1,450,132
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$80,031	\$4,287,232	\$22,152,742	\$(1,033,649)	\$(5,547)	\$637,510	\$199,836
5. Funded Ratio: (3) / (2)	82.7%	86.5%	79.6%	122.5%	100.9%	74.7%	87.9%
6. Annual Payroll	\$502,857	\$9,066,247	\$37,022,759	\$2,046,400	\$301,166	\$1,859,456	\$2,294,507
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.08%	8.18%	10.10%	4.23%	6.60%	6.35%	2.90%
Prior Service	1.12%	2.91%	3.67%	-3.18%	-0.12%	2.06%	0.62%
Total Retirement	3.20%	11.09%	13.77%	1.05%	6.48%	8.41%	3.52%
Supplemental Death	0.13%	0.00%	0.13%	0.20%	0.34%	0.11%	0.10%
Total Rate	3.33%	11.09%	13.90%	1.25%	6.82%	8.52%	3.62%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	10.80%	13.41%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	11.50%	13.50%	11.50%	13.50%	13.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	20.9 years	26.0 years	26.1 years	25.0 years	23.6 years	27.1 years	20.6 years
Number of active contributing members	3	110	100	26	6	5	9
Number of inactive members	11	224	651	50	8	61	58
Average age of contributing members	8	68	269	26	16	52	31
Average length of service of contributing members	38.3 years	44.1 years	41.6 years	42.4 years	37.9 years	37.7 years	37.1 years
	9.4 years	10.5 years	9.1 years	9.9 years	3.0 years	5.1 years	5.1 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Albin	Alvord	Amarillo	Amherst	Anaahuac	Andrews	Angleton
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$24,044,715	\$76,014	\$150,525,526	\$93,675	\$119,163	\$8,972,291	\$9,944,041
b. Noncontributing Members	5,844,762	147,123	14,592,856	5,556	243,773	1,927,759	1,154,944
c. Annuitants	12,010,895	6,463	165,475,715	362,474	399,292	7,579,699	6,786,830
2. Total Actuarial Accrued Liability	\$41,900,372	\$229,600	\$330,594,097	\$461,705	\$762,228	\$18,479,749	\$17,885,815
3. Actuarial value of assets	33,237,906	148,615	310,626,860	329,498	679,553	15,298,477	14,411,089
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$8,662,466	\$80,985	\$19,967,237	\$132,207	\$82,675	\$3,181,272	\$3,474,726
5. Funded Ratio: (3) / (2)	79.3%	64.7%	94.0%	71.4%	89.1%	82.8%	80.6%
6. Annual Payroll	\$9,309,985	\$184,723	\$71,852,453	\$140,921	\$381,856	\$2,988,973	\$5,374,516
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	11.25%	2.89%	6.92%	3.40%	5.46%	11.17%	8.20%
Prior Service	5.71%	3.59%	1.83%	6.05%	1.35%	6.53%	3.95%
Total Retirement	16.96%	6.48%	8.75%	9.45%	6.81%	17.70%	12.15%
Supplemental Death	0.15%	0.09%	0.00%	0.00%	0.17%	0.00%	0.22%
Total Rate	17.11%	6.57%	8.75%	9.45%	6.98%	17.70%	12.37%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	15.92%	N/A	N/A	8.91%	N/A	N/A	12.32%
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	12.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	26.1 years	16.8 years	23.2 years	24.0 years	25.5 years	26.1 years	26.3 years
Number of active contributing members	76	1	828	4	3	27	43
Number of inactive members	221	6	1,713	5	11	60	119
Average age of contributing members	124	5	721	3	18	21	32
Average length of service of contributing members	41.1 years	52.2 years	43.8 years	49.5 years	44.1 years	40.6 years	43.5 years
	9.0 years	6.3 years	9.5 years	7.5 years	3.6 years	10.2 years	9.2 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,223,554	\$424,347	\$561,365	\$5,160,561	\$181,692	\$2,383,748	\$417,915,587
b. Noncontributing Members	117,091	76,999	68,473	917,146	125,824	369,071	63,805,517
c. Annuitants	581,013	325,220	209,685	5,113,089	138,771	62,694	386,783,745
2. Total Actuarial Accrued Liability	\$2,921,658	\$826,566	\$839,523	\$11,190,796	\$446,287	\$2,815,513	\$868,504,849
3. Actuarial value of assets	1,808,421	830,403	543,525	8,138,282	415,020	1,934,737	736,848,666
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,113,237	(\$3,837)	\$295,998	\$3,052,514	\$31,267	\$880,776	\$131,656,183
5. Funded Ratio: (3) / (2)	61.9%	100.5%	64.7%	72.7%	93.0%	68.7%	84.8%
6. Annual Payroll	\$2,195,207	\$555,246	\$1,085,665	\$3,419,006	\$523,981	\$1,356,750	\$156,111,510
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	7.40%	1.51%	0.53%	7.38%	2.25%	7.40%	11.16%
Prior Service	3.09%	-0.04%	1.67%	5.48%	0.43%	4.46%	5.17%
Total Retirement	10.49%	1.47%	2.20%	12.86%	2.68%	11.86%	16.33%
Supplemental Death	0.11%	0.20%	0.18%	0.18%	0.18%	0.00%	0.14%
Total Rate	10.60%	1.67%	2.33%	13.04%	2.86%	11.86%	16.47%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	12.03%	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	N/A	N/A	9.50%	13.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	26.4 years	28.9 years	26.2 years	26.1 years	20.2 years	21.7 years	26.1 years
Number of active contributing members	3	9	4	32	4	4	1,253
Number of inactive members	42	22	29	100	14	23	2,469
Average age of contributing members	7	13	12	88	13	17	826
Average length of service of contributing members	40.0 years	44.1 years	41.6 years	41.7 years	47.4 years	45.9 years	41.9 years
	7.3 years	7.1 years	7.8 years	7.0 years	4.8 years	11.5 years	11.2 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Arp	Aspermont	Athens	Atlanta	Aubrey	Avigler	Azle
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$267,717	\$83,007	\$16,265,989	\$1,544,026	\$864,253	\$41,404	\$7,641,757
a. Contributing Members	74,564	14,540	1,261,971	358,188	343,482	0	2,509,963
b. Noncontributing Members	89,289	258,178	7,867,437	1,120,898	122,600	0	4,627,840
c. Annuitants	\$431,570	\$355,725	\$25,395,397	\$3,023,112	\$1,330,335	\$41,404	\$14,779,560
2. Total Actuarial Accrued Liability	462,810	424,757	16,085,459	2,371,069	1,588,874	\$3,104	11,575,402
3. Actuarial value of assets	(\$31,240)	(\$69,032)	\$9,309,938	\$652,043	(\$258,539)	(\$11,700)	\$3,204,158
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	107.2%	119.4%	63.3%	78.4%	119.4%	128.3%	78.3%
5. Funded Ratio: (3) / (2)	\$253,597	\$191,028	\$5,870,284	\$1,533,769	\$1,595,044	\$25,464	\$5,326,927
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.95%	1.34%	11.95%	3.78%	0.32%	6.83%	8.01%
Prior Service	-0.78%	-1.34%	9.71%	2.62%	-0.32%	-2.89%	3.67%
Total Retirement	2.17%	0.00%	21.66%	6.40%	0.00%	3.94%	11.68%
Supplemental Death	0.17%	0.16%	0.18%	0.22%	0.09%	0.23%	0.14%
Total Rate	2.34%	0.16%	21.84%	6.62%	0.09%	4.17%	11.82%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	19.89%	N/A	N/A	N/A	11.17%
Statutory Maximum Rate (Total Retirement Only)	7.50%	7.50%	N/A	7.50%	9.50%	9.50%	12.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	24.8 years	100.0 years	26.2 years	25.9 years	100.0 years	25.0 years	26.4 years
Number of annuitants	2	2	45	13	7	0	52
Number of active contributing members	8	7	118	42	46	1	108
Number of inactive members	6	3	35	8	81	0	78
Average age of contributing members	43.2 years	46.0 years	44.0 years	46.9 years	37.0 years	58.0 years	41.1 years
Average length of service of contributing members	9.5 years	5.6 years	11.2 years	10.3 years	6.3 years	12.1 years	8.5 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$280,923	\$11,381,735	\$4,530,627	\$1,473,342	\$8,791	\$1,046,095	\$398,459
a. Contributing Members	74,894	1,899,419	1,256,120	373,302	1,208	286,482	125,793
b. Noncontributing Members	236,928	6,809,571	6,679,858	933,587	0	216,463	970,169
c. Annuitants	\$592,745	\$20,090,725	\$12,466,605	\$2,780,231	\$9,999	\$1,549,040	\$1,494,421
2. Total Actuarial Accrued Liability	490,334	14,127,533	9,826,383	2,671,186	22,946	1,459,285	1,273,898
3. Actuarial value of assets	\$102,411	\$5,963,192	\$2,640,222	\$109,045	(\$12,947)	\$89,755	\$220,523
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	82.7%	70.3%	78.8%	96.1%	229.5%	94.2%	85.2%
5. Funded Ratio: (3) / (2)	\$293,182	\$6,602,014	\$2,358,125	\$999,782	\$1,77,279	\$529,121	\$484,002
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.08%	9.38%	8.97%	4.64%	1.52%	12.64%	9.97%
Prior Service	2.46%	5.50%	6.84%	0.67%	-1.05%	1.04%	2.83%
Total Retirement	4.54%	14.88%	15.81%	5.31%	0.47%	13.68%	12.80%
Supplemental Death	0.31%	0.12%	0.17%	0.27%	0.70%	0.44%	0.22%
Total Rate	4.85%	15.00%	15.98%	5.58%	1.17%	14.12%	13.02%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	13.75%	15.69%	5.39%	N/A	13.65%	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	13.50%	N/A	7.50%	N/A	13.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	20.9 years	26.4 years	26.3 years	26.1 years	25.2 years	26.1 years	25.6 years
Number of annuitants	4	60	41	8	0	6	8
Number of active contributing members	10	149	51	38	4	14	14
Number of inactive members	8	84	39	11	2	12	5
Average age of contributing members	43.3 years	40.2 years	43.6 years	47.2 years	49.3 years	50.5 years	46.7 years
Average length of service of contributing members	8.4 years	7.6 years	9.9 years	8.2 years	1.4 years	9.7 years	5.8 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Bartlett	Bartonville	Bastrop	Bay City	Bayou Vista	Baytown	Beaumont
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$116,201	\$664,945	\$6,548,221	\$10,338,365	\$116,100	\$101,133,018	\$186,365,776
a. Contributing Members	74,257	17,577	733,286	2,845,908	34,509	17,001,962	17,041,397
b. Noncontributing Members	309,368	0	2,677,476	13,010,533	68,423	99,190,743	157,646,577
c. Annuitants	\$499,826	\$682,522	\$9,958,983	\$26,194,806	\$219,032	\$217,325,723	\$361,053,750
2. Total Actuarial Acrued Liability	687,655	341,150	8,124,527	22,632,103	231,310	170,528,355	282,382,028
3. Actuarial value of assets	(\$187,829)	\$341,372	\$1,834,456	\$3,562,703	(\$12,278)	\$46,797,368	\$78,671,722
4. Unfunded/(overfunded) actuarial accrued liability:(2) - (3)	137,66%	50.0%	81.6%	86.4%	105.6%	78.5%	78.2%
5. Funded Ratio: (3) / (2)	\$475,408	\$356,353	\$4,877,601	\$6,620,412	\$291,189	\$39,661,144	\$56,607,122
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.01%	3.16%	6.91%	7.82%	3.78%	11.38%	12.69%
Prior Service	-2.01%	7.96%	2.30%	3.30%	-0.27%	7.24%	8.40%
Total Retirement	0.00%	11.12%	9.21%	11.12%	3.51%	18.62%	21.09%
Supplemental Death	0.13%	0.18%	0.15%	0.23%	0.24%	0.15%	0.00%
Total Rate	0.13%	11.30%	9.36%	11.35%	3.75%	18.77%	21.09%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	11.10%	N/A	18.21%	20.36%
Statutory Maximum Rate (Total Retirement Only)	7.50%	N/A	12.50%	11.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	37.5 years	16.4 years	26.3 years	26.1 years	24.3 years	26.1 years	26.8 years
Number of active contributing members	5	0	32	87	1	363	648
Number of inactive members	12	7	111	172	4	717	1,045
Average age of contributing members	17	4	43	89	8	198	301
Average length of service of contributing members	41.8 years	50.7 years	43.2 years	44.9 years	48.1 years	40.6 years	45.1 years
	3.6 years	20.8 years	8.9 years	8.7 years	6.2 years	10.0 years	12.6 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$14,754,091	\$1,724,692	\$4,702,393	\$36,236,113	\$3,932,670	\$16,256	\$3,712,776
a. Contributing Members	355,195	559,982	1,282,412	5,314,089	1,689,500	130,429	578,600
b. Noncontributing Members	639,034	90,493	1,933,267	20,357,447	3,808,087	34,735	4,225,466
c. Annuitants	\$15,748,320	\$2,375,167	\$7,918,072	\$61,907,649	\$9,430,257	\$181,420	\$8,516,842
2. Total Actuarial Acrued Liability	4,713,345	1,917,601	9,654,019	47,935,878	8,951,504	239,089	5,834,109
3. Actuarial value of assets	\$11,034,975	\$457,566	(\$1,735,947)	\$13,971,771	\$478,753	(\$57,669)	\$2,682,733
4. Unfunded/(overfunded) actuarial accrued liability:(2) - (3)	29.9%	80.7%	121.9%	77.4%	94.9%	131.8%	68.5%
5. Funded Ratio: (3) / (2)	\$19,209,192	\$1,833,263	\$3,665,110	\$8,938,838	\$2,980,701	\$213,773	\$2,263,467
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	1.08%	4.63%	3.52%	13.66%	7.44%	0.80%	7.88%
Prior Service	3.80%	1.70%	-2.98%	9.61%	0.98%	-0.80%	7.26%
Total Retirement	4.88%	6.33%	0.54%	23.27%	8.42%	0.00%	15.14%
Supplemental Death	0.00%	0.16%	0.00%	0.22%	0.22%	0.16%	0.26%
Total Rate	4.88%	6.49%	0.54%	23.49%	8.64%	0.16%	15.40%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	22.53%	N/A	N/A	14.45%
Statutory Maximum Rate (Total Retirement Only)	N/A	13.50%	11.50%	N/A	12.50%	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	23.1 years	22.0 years	25.0 years	26.0 years	26.4 years	100.0 years	26.2 years
Number of active contributing members	8	4	37	92	19	3	29
Number of inactive members	338	31	110	148	69	7	57
Average age of contributing members	32	15	52	68	50	7	22
Average length of service of contributing members	41.5 years	45.0 years	46.1 years	45.7 years	40.7 years	40.8 years	44.4 years
	11.5 years	7.8 years	12.5 years	14.9 years	7.4 years	2.9 years	9.3 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Belton	Benbrook	Berryville	Bertram	Big Lake	Big Sandy	Big Spring
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$7,981,569	\$23,612,054	\$105,217	\$127,949	\$1,912,639	\$567,775	\$21,012,161
a. Contributing Members	1,111,978	3,042,459	23,578	76,192	489,374	33,812	3,881,670
b. Noncontributing Members	5,558,881	12,215,741	17,184	245,279	972,576	15,303	14,634,166
c. Annuitants	\$14,652,428	\$38,870,254	\$145,979	\$449,420	\$3,374,589	\$616,890	\$39,527,997
2. Total Actuarial Acrued Liability	13,558,389	31,182,753	169,158	401,995	2,564,419	550,345	31,044,487
3. Actuarial value of assets	\$1,094,039	\$7,687,501	(\$23,179)	\$47,425	\$810,170	\$66,545	\$8,483,510
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	92.5%	80.2%	115.9%	89.4%	76.0%	89.2%	78.5%
5. Funded Ratio: (3) / (2)	\$6,465,174	\$7,663,690	\$88,648	\$509,226	\$740,147	\$411,717	\$8,948,278
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	5.57%	12.24%	3.21%	0.75%	9.71%	2.32%	11.18%
Prior Service	1.04%	6.14%	-1.65%	0.67%	6.73%	1.02%	5.80%
Total Retirement	6.61%	18.38%	1.56%	1.42%	16.44%	3.34%	16.98%
Supplemental Death	0.20%	0.15%	0.43%	0.00%	0.23%	0.26%	0.25%
Total Rate	6.81%	18.53%	1.99%	1.42%	16.67%	3.60%	17.23%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	18.20%	N/A	N/A	N/A	N/A	15.66%
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 1/2013	26.0 years	26.2 years	24.9 years	20.2 years	26.0 years	24.9 years	26.2 years
Number of annuitants	61	47	1	5	9	2	105
Number of active contributing members	147	111	2	11	20	12	201
Number of inactive members	97	29	1	7	6	13	96
Average age of contributing members	41.2 years	42.1 years	54.2 years	42.6 years	41.4 years	45.1 years	42.5 years
Average length of service of contributing members	8.6 years	12.5 years	11.5 years	5.0 years	10.0 years	11.3 years	8.3 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$803,365	\$208,466	\$67,921	\$355,683	\$178,962	\$36,503	\$24,781,607
a. Contributing Members	348,752	83,613	82,823	53,109	66,337	1,545	940,550
b. Noncontributing Members	707,024	189,606	112,559	125,505	63,546	29,314	8,270,780
c. Annuitants	\$1,859,141	\$481,685	\$263,303	\$534,297	\$308,845	\$67,362	\$33,992,937
2. Total Actuarial Acrued Liability	1,836,690	499,015	237,362	600,971	246,721	93,484	21,987,770
3. Actuarial value of assets	\$22,451	(\$17,330)	\$25,941	(\$66,674)	\$62,124	(\$26,122)	\$12,005,167
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	98.8%	103.6%	90.1%	112.5%	79.9%	138.8%	64.7%
5. Funded Ratio: (3) / (2)	\$679,613	\$456,085	\$120,871	\$149,577	\$501,128	\$176,505	\$9,986,940
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	5.16%	1.04%	4.79%	8.53%	1.18%	0.45%	11.27%
Prior Service	0.20%	-0.24%	1.51%	-2.81%	2.03%	-0.45%	7.33%
Total Retirement	5.36%	0.80%	6.30%	5.72%	3.21%	0.00%	18.60%
Supplemental Death	0.23%	0.17%	0.10%	0.45%	2.14%	0.14%	0.14%
Total Rate	5.59%	0.97%	6.40%	6.17%	5.35%	0.14%	18.74%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	17.47%
Statutory Maximum Rate (Total Retirement Only)	11.50%	7.50%	11.50%	11.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.7 years	24.9 years	20.9 years	24.9 years	21.8 years	100.0 years	26.4 years
Number of annuitants	12	3	1	2	2	2	52
Number of active contributing members	22	14	5	4	14	5	202
Number of inactive members	22	14	3	2	17	2	45
Average age of contributing members	45.5 years	42.4 years	39.5 years	54.4 years	38.1 years	35.9 years	42.3 years
Average length of service of contributing members	8.0 years	5.3 years	4.7 years	13.3 years	5.9 years	2.4 years	9.4 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Bogata	Bonham	Booker	Borger	Bovina	Bowie	Boyd
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$71,196	\$7,119,880	\$254,171	\$13,022,579	\$35,387	\$5,832,571	\$337,801
a. Contributing Members	3,433	1,241,693	26,154	2,455,232	21,909	1,272,154	138,603
b. Noncontributing Members	67,142	1,975,082	221,205	18,091,675	290,889	4,269,196	27,414
c. Annuitants	\$141,771	\$10,336,655	\$501,530	\$33,569,486	\$348,185	\$11,373,921	\$503,818
2. Total Actuarial Accrued Liability	215,072	10,140,461	500,010	25,989,500	407,193	9,664,182	521,295
3. Actuarial value of assets	\$151,796	\$196,194	\$1,520	\$7,579,986	(\$59,008)	\$1,709,739	(\$17,477)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$62,276	\$9,944,267	\$498,490	\$18,409,514	\$1,066,191	\$7,954,450	\$103,572
5. Funded Ratio: (3) / (2)	71.2%	1.9%	0.3%	29.0%	0.4%	17.7%	33.3%
6. Annual Payroll	\$222,110	\$4,677,274	\$361,443	\$6,428,909	\$208,936	\$3,570,582	\$501,957
CITY CONTRIBUTION RATES FOR 2013							
Retirement	0.93%	4.86%	3.87%	10.06%	0.66%	8.14%	0.06%
Normal Cost	-0.93%	0.29%	0.08%	7.25%	-0.66%	2.93%	-0.06%
Prior Service	0.00%	5.15%	3.95%	17.31%	0.00%	11.07%	0.00%
Total Retirement	0.19%	0.00%	0.16%	0.19%	0.23%	0.23%	0.00%
Supplemental Death	0.19%	5.15%	4.11%	17.50%	0.23%	11.30%	0.00%
Total Rate	N/A	N/A	N/A	17.36%	N/A	10.76%	N/A
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	7.50%	10.50%	9.50%	N/A	7.50%	11.50%	9.50%
Statutory Maximum Rate (Total Retirement Only)							
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	-100.0 years	21.5 years	6.0 years	26.0 years	100.0 years	26.2 years	100.0 years
Number of annuitants	2	30	4	80	6	44	2
Number of active contributing members	9	110	11	153	7	96	14
Number of inactive members	2	64	5	51	9	51	13
Average age of contributing members	43.9 years	41.1 years	40.9 years	41.3 years	35.9 years	44.6 years	40.6 years
Average length of service of contributing members	4.9 years	9.8 years	7.0 years	8.4 years	3.2 years	8.5 years	9.9 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$3,280,564	\$1,750,221	\$3,354,033	\$96,174	\$19,256,895	\$6,572,894	\$3,856,109
a. Contributing Members	1,791,596	314,391	853,349	57,335	2,280,460	1,213,969	1,594,368
b. Noncontributing Members	1,700,462	675,444	2,956,293	50,414	9,825,036	6,163,634	3,171,846
c. Annuitants	\$6,772,622	\$2,740,056	\$7,163,675	\$203,923	\$31,362,391	\$13,950,497	\$8,622,323
2. Total Actuarial Accrued Liability	4,822,373	2,522,205	5,861,466	239,181	30,755,197	10,769,228	6,186,172
3. Actuarial value of assets	\$1,950,249	\$212,851	\$1,302,209	(\$35,258)	\$607,194	\$3,181,269	\$2,436,151
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,872,124	\$2,309,354	\$4,559,257	\$274,439	\$30,148,003	\$7,587,959	\$3,750,021
5. Funded Ratio: (3) / (2)	40.3%	8.4%	22.2%	14.7%	1.9%	29.6%	39.4%
6. Annual Payroll	\$3,094,790	\$1,025,370	\$2,178,320	\$193,609	\$10,288,862	\$2,943,682	\$3,006,711
CITY CONTRIBUTION RATES FOR 2013							
Retirement	7.25%	7.10%	6.37%	1.26%	5.74%	8.55%	7.54%
Normal Cost	3.78%	1.28%	3.68%	-1.15%	0.66%	6.71%	4.93%
Prior Service	11.03%	8.38%	10.05%	0.11%	6.40%	15.26%	12.47%
Total Retirement	0.25%	0.19%	0.21%	0.34%	0.00%	0.21%	0.14%
Supplemental Death	11.28%	8.57%	10.26%	0.34%	6.40%	15.47%	12.61%
Total Rate	10.68%	N/A	10.00%	N/A	N/A	N/A	12.05%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	12.50%	11.50%	9.50%	7.50%	11.50%	N/A	13.50%
Statutory Maximum Rate (Total Retirement Only)							
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	27.1 years	25.9 years	26.0 years	24.9 years	11.1 years	25.6 years	26.5 years
Number of annuitants	34	12	31	2	82	38	27
Number of active contributing members	81	27	73	6	221	57	64
Number of inactive members	74	25	40	7	77	27	59
Average age of contributing members	44.1 years	46.9 years	42.5 years	43.2 years	44.6 years	43.4 years	38.8 years
Average length of service of contributing members	6.3 years	10.6 years	9.2 years	6.3 years	12.5 years	10.6 years	7.2 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Bronx	Brookshire	Brownfield	Brownsville	Brownsville P.U.B.	Brownwood	Brownwood Health Dept.
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$264,561	\$1,120,533	\$5,985,818	\$163,072,307	\$55,536,938	\$17,523,410	\$314,992
a. Contributing Members	0	1,483,513	727,109	7,478,300	7,029,685	2,069,802	50,307
b. Noncontributing Members	0	799,315	7,921,948	73,137,579	46,476,441	16,072,501	609,119
c. Annuitants	\$264,561	\$3,403,361	\$14,634,875	\$243,688,186	\$109,043,064	\$35,665,713	\$974,418
2. Total Actuarial Accrued Liability	169,286	3,133,950	12,931,322	191,166,573	91,922,770	28,793,607	913,422
3. Actuarial value of assets	\$95,275	\$269,411	\$1,703,353	\$52,521,613	\$17,120,294	\$6,872,106	\$60,996
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	64.0%	92.1%	88.4%	78.4%	84.3%	80.7%	93.7%
5. Funded Ratio: (3) / (2)	\$122,034	\$1,017,583	\$3,105,262	\$52,965,662	\$22,782,391	\$8,611,980	\$400,304
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.99%	6.40%	7.83%	13.43%	9.69%	9.60%	6.80%
Prior Service	5.44%	1.61%	3.38%	6.10%	4.64%	4.88%	1.02%
Total Retirement	8.43%	8.01%	11.21%	19.53%	14.33%	14.48%	7.82%
Supplemental Death	0.20%	0.15%	0.00%	0.16%	0.18%	0.00%	0.00%
Total Rate	8.63%	8.16%	11.21%	19.69%	14.51%	14.48%	7.82%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	18.82%	14.42%	N/A	N/A
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 1/2013	21.2 years	26.5 years	25.9 years	26.0 years	25.8 years	26.3 years	22.6 years
Number of annuitants	0	6	43	390	217	86	6
Number of active contributing members	4	35	84	1,101	485	224	12
Number of inactive members	0	36	27	175	69	60	6
Average age of contributing members	50.6 years	42.1 years	42.8 years	42.6 years	41.7 years	43.5 years	49.1 years
Average length of service of contributing members	20.5 years	5.5 years	9.6 years	11.3 years	11.4 years	9.1 years	6.3 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$102,763	\$250,353	\$121,627,150	\$24,767	\$2,710,805	\$595,339	\$720,234
a. Contributing Members	1,058	161,354	27,664,803	12,828	209,673	148,482	48,681
b. Noncontributing Members	26,742	243,972	90,446,005	360,945	957,519	68,585	22,402
c. Annuitants	\$130,563	\$655,679	\$239,737,958	\$398,340	\$3,877,997	\$812,406	\$791,317
2. Total Actuarial Accrued Liability	199,441	747,451	181,556,932	\$12,242	2,800,564	827,810	582,976
3. Actuarial value of assets	(\$68,878)	(\$91,772)	\$58,181,026	(\$113,702)	\$1,077,433	(\$15,404)	\$208,341
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	152.8%	114.0%	75.7%	128.5%	72.2%	101.9%	73.7%
5. Funded Ratio: (3) / (2)	\$178,431	\$352,954	\$45,924,427	\$73,785	\$2,464,823	\$540,417	\$723,344
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	5.80%	4.62%	11.34%	2.22%	7.89%	4.54%	3.96%
Prior Service	-2.43%	-1.64%	7.76%	-2.22%	2.67%	-0.18%	2.04%
Total Retirement	3.37%	2.98%	19.10%	0.00%	10.56%	4.36%	6.00%
Supplemental Death	0.00%	0.18%	0.00%	0.00%	0.13%	0.41%	0.23%
Total Rate	3.37%	3.16%	19.10%	0.00%	10.69%	4.77%	6.23%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	17.97%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	11.50%	N/A	9.50%	13.50%	11.50%	11.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.0 years	24.9 years	26.2 years	100.0 years	26.3 years	24.9 years	20.7 years
Number of annuitants	1	4	422	1	9	2	1
Number of active contributing members	8	11	811	3	61	14	19
Number of inactive members	2	12	359	1	15	10	9
Average age of contributing members	53.9 years	44.7 years	41.2 years	44.7 years	42.1 years	52.6 years	42.5 years
Average length of service of contributing members	4.2 years	5.5 years	11.1 years	4.8 years	5.7 years	10.0 years	8.7 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Bulverde	Bunker Hill Village	Burkburnett	Burlinson	Burnett	Cactus	Caddo Mills
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$1,118,579	\$1,496,502	\$4,554,382	\$38,029,914	\$8,107,943	\$196,936	\$103,081
a. Contributing Members	188,602	71,364	1,318,325	7,170,214	2,086,186	86,836	49,279
b. Noncontributing Members	19,575	578,418	5,117,952	12,167,342	5,063,164	539,930	50,022
c. Annuitants	\$1,326,756	\$2,146,284	\$10,990,659	\$57,367,470	\$15,257,293	\$823,702	\$202,382
2. Total Actuarial Accrued Liability	934,737	2,187,668	9,680,939	41,736,377	12,818,132	922,240	183,384
3. Actuarial value of assets	\$392,019	(\$41,384)	\$1,309,720	\$15,631,093	\$2,439,161	(\$98,538)	\$18,998
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	70.5%	101.9%	88.1%	72.8%	84.0%	112.0%	90.6%
5. Funded Ratio: (3) / (2)	\$1,106,067	\$526,521	\$2,608,817	\$17,410,613	\$5,327,170	\$636,458	\$448,155
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	4.06%	9.44%	7.54%	9.66%	7.85%	0.54%	2.05%
Prior Service	2.45%	-0.49%	3.54%	5.49%	2.80%	-0.54%	0.32%
Total Retirement	6.51%	8.95%	11.08%	15.15%	10.65%	0.00%	2.37%
Supplemental Death	0.13%	0.27%	0.22%	0.13%	0.14%	0.22%	0.11%
Total Rate	6.64%	9.22%	11.30%	15.28%	10.79%	0.22%	2.48%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	14.73%	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	13.50%	7.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	21.5 years	25.4 years	20.9 years	26.3 years	26.3 years	100.0 years	18.8 years
Number of annuitants	2	5	43	64	36	8	1
Number of active contributing members	22	8	72	296	123	20	11
Number of inactive members	7	1	21	116	71	21	12
Average age of contributing members	44.6 years	49.2 years	44.0 years	41.2 years	40.8 years	40.1 years	40.5 years
Average length of service of contributing members	9.7 years	14.1 years	10.6 years	10.8 years	7.3 years	4.8 years	3.1 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$4,361,259	\$80,901	\$1,237,008	\$1,441,975	\$3,825,002	\$8,437,608	\$63,168
a. Contributing Members	881,099	40,331	694,574	501,817	444,804	2,177,213	35,501
b. Noncontributing Members	2,203,287	11,690	2,019,194	805,145	2,038,225	9,707,284	2,522
c. Annuitants	\$7,445,645	\$132,922	\$3,950,776	\$2,748,937	\$6,308,031	\$20,322,105	\$101,191
2. Total Actuarial Accrued Liability	7,121,747	178,817	2,812,960	1,990,059	4,950,942	16,844,807	101,685
3. Actuarial value of assets	\$323,898	(\$45,895)	\$1,137,816	\$758,878	\$1,357,089	\$3,477,298	(\$494)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	95.0%	134.5%	71.2%	72.4%	78.5%	82.9%	100.5%
5. Funded Ratio: (3) / (2)	\$1,945,582	\$316,668	\$1,106,622	\$763,723	\$2,296,278	\$3,582,045	\$22,295
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	9.16%	1.40%	3.86%	9.28%	8.13%	11.25%	5.85%
Prior Service	1.03%	-0.91%	6.32%	6.12%	3.63%	5.91%	-0.14%
Total Retirement	10.19%	0.49%	10.18%	15.40%	11.76%	17.16%	5.71%
Supplemental Death	0.26%	0.24%	0.30%	0.16%	0.22%	0.16%	0.09%
Total Rate	10.45%	0.73%	10.48%	15.56%	11.98%	17.32%	5.80%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	15.09%	N/A	17.09%	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	N/A	N/A	N/A	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.7 years	25.1 years	26.0 years	25.9 years	26.1 years	26.5 years	24.8 years
Number of annuitants	19	1	24	7	26	30	2
Number of active contributing members	59	10	31	19	63	76	1
Number of inactive members	18	16	26	7	25	29	2
Average age of contributing members	46.8 years	52.7 years	46.3 years	40.5 years	43.5 years	42.9 years	42.8 years
Average length of service of contributing members	11.8 years	4.9 years	11.7 years	7.6 years	8.0 years	9.8 years	20.3 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Carrizo Springs	Carrollton	Carthage	Castle Hills	Castroville	Cedar Hill	Cedar Park
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$1,966,797	\$130,639,290	\$9,888,254	\$6,008,673	\$1,646,359	\$41,463,473	\$28,438,811
a. Contributing Members	3,589	53,760,582	1,418,240	506,439	701,322	7,367,839	4,014,487
b. Noncontributing Members	2,239,546	111,169,771	12,540,457	6,499,416	1,702,306	17,564,898	5,706,302
c. Annuitants	\$4,209,932	\$295,569,643	\$23,846,951	\$13,014,528	\$4,049,987	\$66,396,210	\$38,159,600
2. Total Actuarial Accrued Liability	3,996,978	275,783,003	19,061,585	10,811,174	3,378,662	51,899,146	33,019,915
3. Actuarial value of assets	\$212,954	\$19,786,640	\$4,783,366	\$2,203,354	\$671,325	\$14,497,064	\$5,139,685
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	94.9%	93.3%	79.9%	83.1%	83.4%	78.2%	86.5%
5. Funded Ratio: (3) / (2)	\$1,034,786	\$46,003,926	\$4,001,859	\$2,751,273	\$1,588,269	\$18,126,679	\$19,226,185
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	6.51%	11.05%	11.49%	7.44%	5.44%	10.43%	6.69%
Prior Service	1.31%	2.61%	7.40%	4.91%	2.58%	4.89%	1.85%
Total Retirement	7.82%	13.66%	18.89%	12.35%	8.02%	15.32%	8.54%
Supplemental Death	0.28%	0.00%	0.21%	0.18%	0.22%	0.13%	0.12%
Total Rate	8.10%	13.66%	19.10%	12.53%	8.24%	15.45%	8.66%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	7.89%	N/A	18.69%	N/A	N/A	15.41%	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	N/A	N/A	N/A	11.50%	N/A	13.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	24.5 years	26.0 years	25.7 years	26.1 years	26.3 years	26.3 years	21.5 years
Number of annuitants	18	395	50	39	22	90	52
Number of active contributing members	36	772	78	60	36	362	362
Number of inactive members	3	501	41	23	32	121	147
Average age of contributing members	45.2 years	43.1 years	41.8 years	40.4 years	41.8 years	42.4 years	40.2 years
Average length of service of contributing members	10.9 years	12.0 years	9.3 years	11.2 years	7.3 years	10.3 years	9.1 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$10,216	\$1,525,916	\$5,824,910	\$390,375	\$378,306	\$230,875	\$185,308
a. Contributing Members	26,465	676,798	373,928	0	17,896	39,049	115,840
b. Noncontributing Members	39,789	57,311	3,265,809	0	58,115	76,807	0
c. Annuitants	\$76,470	\$2,260,025	\$9,464,047	\$390,375	\$454,317	\$346,731	\$301,148
2. Total Actuarial Accrued Liability	19,177	2,455,019	6,696,107	\$93,492	203,183	340,731	323,158
3. Actuarial value of assets	\$57,293	(\$194,994)	\$2,768,540	\$3,117	\$251,134	\$6,000	(\$22,010)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	25.1%	108.6%	70.7%	100.8%	44.7%	98.3%	107.3%
5. Funded Ratio: (3) / (2)	\$123,211	\$2,382,159	\$2,830,677	\$170,434	\$619,334	\$177,541	\$36,330
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	0.72%	4.31%	9.86%	3.27%	2.31%	5.84%	16.30%
Prior Service	3.32%	-0.52%	6.00%	-0.12%	0.20%	0.20%	-3.81%
Total Retirement	4.04%	3.79%	15.86%	3.15%	5.16%	6.04%	12.49%
Supplemental Death	0.09%	0.14%	0.19%	0.00%	0.27%	0.12%	0.47%
Total Rate	4.13%	3.93%	16.05%	3.15%	5.43%	6.16%	12.96%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	14.74%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	13.50%	N/A	9.50%	N/A	9.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	20.5 years	24.6 years	26.1 years	23.4 years	21.0 years	27.8 years	25.0 years
Number of annuitants	1	1	29	0	1	1	0
Number of active contributing members	5	43	75	4	17	7	3
Number of inactive members	4	22	12	0	6	4	1
Average age of contributing members	40.3 years	41.7 years	42.5 years	47.1 years	50.0 years	45.4 years	57.2 years
Average length of service of contributing members	1.3 years	7.4 years	10.3 years	19.2 years	8.7 years	11.6 years	19.3 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Chico	Childress	Chireno	Christine	Cibola	Cisco	Clarendon
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$167,009	\$2,612,623	\$295,203	\$2,721	\$3,293,342	\$903,189	\$225,926
b. Noncontributing Members	0	160,278	264,025	15,358	863,574	117,294	59,507
c. Annuitants	60,779	3,427,913	686,017	4,025	968,657	1,316,778	164,145
2. Total Actuarial Acrued Liability	\$227,788	\$6,200,814	\$1,245,245	\$22,104	\$5,125,573	\$2,337,261	\$449,578
3. Actuarial value of assets	213,241	4,787,005	937,218	32,528	3,678,308	2,495,082	546,642
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$14,547	\$1,413,809	\$308,027	(\$10,424)	\$1,447,265	(\$157,821)	(\$97,064)
5. Funded Ratio: (3) / (2)	93.6%	77.2%	75.3%	147.2%	71.8%	106.8%	121.6%
6. Annual Payroll	\$256,952	\$1,456,964	\$252,063	\$19,137	\$3,551,443	\$967,790	\$383,509
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.27%	9.75%	9.62%	0.00%	5.91%	4.56%	1.29%
Prior Service	0.40%	5.94%	7.86%	0.00%	2.77%	-1.03%	-1.29%
Total Retirement	2.67%	17.48%	17.48%	0.00%	8.68%	3.53%	0.00%
Supplemental Death	0.42%	0.19%	0.16%	0.00%	0.12%	0.15%	0.33%
Total Rate	3.09%	15.88%	17.64%	0.00%	8.80%	3.68%	0.33%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	14.82%	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	13.50%	9.50%	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	20.8 years	24	24.1 years	0.0 years	22.1 years	24.9 years	37.3 years
Number of active contributing members	8	55	3	1	15	17	6
Number of inactive members	0	23	1	3	83	36	13
Average age of contributing members	54.2 years	42.9 years	41.4 years	28.9 years	40.2 years	40.9 years	49.6 years
Average length of service of contributing members	7.7 years	7.8 years	6.5 years	2.3 years	6.8 years	5.9 years	7.9 years
	Clarksville	Clarksville City	Clear Lake Shores	Cleburne	Cleveland	Clifton	Clute
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$1,004,729	\$798,770	\$789,025	\$32,136,396	\$3,454,078	\$587,348	\$7,080,045
b. Noncontributing Members	640,827	65,451	176,311	5,600,477	1,058,247	352,666	2,662,603
c. Annuitants	185,908	85,081	16,395	31,570,589	3,660,877	580,605	5,760,965
2. Total Actuarial Acrued Liability	\$1,831,464	\$949,302	\$981,731	\$69,307,462	\$8,173,202	\$1,520,621	\$15,503,613
3. Actuarial value of assets	2,214,599	1,095,726	772,773	\$1,532,446	6,570,103	1,613,467	14,225,204
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$383,135)	(\$146,424)	\$208,958	\$17,775,016	\$1,603,099	(\$92,846)	\$1,278,409
5. Funded Ratio: (3) / (2)	120.9%	115.4%	78.7%	74.4%	80.4%	106.1%	91.8%
6. Annual Payroll	\$907,890	\$169,867	\$647,618	\$14,395,611	\$3,204,553	\$968,925	\$3,875,987
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	7.40%	9.83%	6.60%	11.30%	6.25%	1.93%	9.60%
Prior Service	-2.66%	-5.43%	1.96%	7.61%	3.07%	-0.60%	2.03%
Total Retirement	4.74%	4.40%	8.56%	18.91%	9.32%	1.33%	11.63%
Supplemental Death	0.20%	0.35%	0.12%	0.19%	0.23%	0.24%	0.18%
Total Rate	4.94%	4.75%	8.68%	19.10%	9.55%	1.57%	11.81%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	4.38%	N/A	N/A	N/A	9.10%	N/A	11.47%
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	12.50%	N/A	11.50%	7.50%	13.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	24.9 years	25.0 years	26.6 years	25.9 years	26.1 years	25.2 years	26.0 years
Number of active contributing members	7	2	1	138	37	13	39
Number of inactive members	28	4	15	282	83	27	91
Average age of contributing members	29	2	16	92	40	12	71
Average length of service of contributing members	45.6 years	49.4 years	40.1 years	44.9 years	42.7 years	43.9 years	41.8 years
Average length of service of contributing members	7.2 years	22.0 years	7.2 years	9.6 years	7.6 years	6.7 years	8.1 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Clyde	Coahoma	Cockrell Hill	Coleman	College Station	Colleyville	Collinsville
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$1,701,652	\$99,272	\$1,397,266	\$5,430,474	\$115,591,038	\$21,920,001	\$37,665
a. Contributing Members	191,017	180,222	497,784	1,038,819	24,542,259	5,285,733	4,079
b. Noncontributing Members	651,397	267,233	\$19,506	4,208,757	62,989,179	9,438,131	139,608
c. Annuitants	\$2,544,066	\$546,727	\$2,414,556	\$10,678,050	\$203,122,476	\$36,643,865	\$181,352
2. Total Actuarial Accrued Liability	1,956,424	587,866	2,774,183	8,258,016	159,366,251	38,477,205	243,153
3. Actuarial value of assets	\$587,642	(\$41,139)	(\$359,627)	\$2,420,034	\$43,756,225	(\$1,833,340)	(\$61,801)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	76.9%	107.5%	114.9%	77.3%	78.5%	105.0%	134.1%
5. Funded Ratio: (3) / (2)	\$1,120,001	\$185,093	\$1,216,320	\$2,409,936	\$43,586,993	\$10,065,707	\$220,287
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	8.64%	5.88%	7.94%	10.54%	11.50%	8.12%	1.75%
Prior Service	3.21%	-1.40%	-1.86%	6.14%	6.15%	-1.09%	-1.75%
Total Retirement	11.85%	4.48%	6.08%	16.68%	17.65%	7.03%	0.00%
Supplemental Death	0.18%	0.35%	0.15%	0.00%	0.00%	0.15%	0.18%
Total Rate	12.03%	4.83%	6.23%	16.68%	17.65%	7.18%	0.18%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	5.82%	16.59%	16.72%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	11.50%	13.50%	N/A	N/A	13.50%	8.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.2 years	25.0 years	25.0 years	26.3 years	26.2 years	27.3 years	25.4 years
Number of annuitants	8	4	7	41	273	62	2
Number of active contributing members	36	4	33	73	801	163	6
Number of inactive members	15	4	35	31	380	89	2
Average age of contributing members	43.3 years	47.8 years	42.6 years	45.8 years	40.8 years	43.4 years	46.6 years
Average length of service of contributing members	8.5 years	5.6 years	7.6 years	9.7 years	11.5 years	13.2 years	7.6 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$95,529	\$1,322,541	\$2,931,749	\$1,258,190	\$3,434,314	\$54,313,688	\$11,288,117
a. Contributing Members	0	837,889	949,687	70,393	1,481,763	5,173,909	1,779,822
b. Noncontributing Members	0	1,820,791	1,546,693	1,183,042	3,265,639	26,441,220	4,430,796
c. Annuitants	\$95,529	\$3,981,221	\$5,428,129	\$2,511,625	\$8,181,716	\$85,928,817	\$17,498,735
2. Total Actuarial Accrued Liability	91,492	3,867,970	4,402,710	2,236,999	7,233,362	65,735,466	13,121,886
3. Actuarial value of assets	\$4,037	\$113,251	\$1,025,419	\$274,626	\$948,354	\$20,193,351	\$4,376,849
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	95.8%	97.2%	81.1%	89.1%	88.4%	76.5%	75.0%
5. Funded Ratio: (3) / (2)	\$133,297	\$1,157,598	\$1,458,266	\$955,098	\$2,766,443	\$21,781,937	\$6,047,855
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	1.42%	7.59%	9.70%	4.11%	7.54%	11.41%	9.25%
Prior Service	0.22%	0.65%	4.34%	1.78%	2.11%	5.69%	4.40%
Total Retirement	1.64%	8.24%	14.04%	5.89%	9.65%	17.10%	13.65%
Supplemental Death	0.07%	0.25%	0.29%	0.22%	0.00%	0.00%	0.12%
Total Rate	1.71%	8.49%	14.29%	6.18%	9.87%	17.10%	13.77%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	8.36%	13.12%	N/A	9.49%	16.17%	12.86%
Statutory Maximum Rate (Total Retirement Only)	N/A	12.50%	12.50%	7.50%	11.50%	N/A	13.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	19.9 years	22.9 years	25.8 years	25.7 years	26.0 years	26.1 years	26.5 years
Number of annuitants	0	21	17	17	43	117	33
Number of active contributing members	4	37	38	29	76	385	158
Number of inactive members	0	47	30	12	63	93	93
Average age of contributing members	36.6 years	44.0 years	45.5 years	45.6 years	43.7 years	42.0 years	38.9 years
Average length of service of contributing members	9.0 years	5.8 years	9.5 years	10.4 years	8.3 years	10.4 years	8.0 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Cooper	Coppell	Copper Canyon	Copperas Cove	Corinth	Corpus Christi	Corrigan
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$856,432	\$66,890,294	\$98,251	\$19,815,912	\$14,066,696	\$241,572,886	\$719,669
a. Contributing Members	18,882	9,069,244	113,927	6,792,977	2,698,535	34,123,530	147,970
b. Noncontributing Members	125,982	18,250,044	0	17,099,796	4,790,379	301,103,733	167,404
c. Annuitants	\$1,001,296	\$94,209,582	\$212,178	\$43,708,685	\$21,555,610	\$576,800,169	\$1,035,043
2. Total Actuarial Acrued Liability	939,678	77,485,332	170,893	34,888,305	16,268,326	533,122,252	1,040,576
3. Actuarial value of assets	\$61,618	\$16,724,250	\$41,285	\$8,820,380	\$5,287,284	\$43,677,917	(\$5,533)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	93.8%	82.2%	80.5%	79.8%	75.5%	92.4%	100.5%
5. Funded Ratio: (3) / (2)	\$417,416	\$24,488,224	\$144,938	\$11,292,836	\$8,256,409	\$109,696,504	\$754,687
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	5.30%	11.57%	0.00%	7.48%	9.36%	7.19%	2.04%
Prior Service	0.91%	4.18%	3.96%	4.77%	3.90%	2.90%	-0.05%
Total Retirement	6.21%	15.75%	3.96%	12.25%	13.26%	10.09%	1.99%
Supplemental Death	0.26%	0.14%	0.40%	0.17%	0.10%	0.00%	0.22%
Total Rate	6.47%	15.89%	4.36%	12.42%	13.36%	10.09%	2.21%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	15.74%	N/A	12.31%	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	8.50%	N/A	N/A	12.50%	13.50%	N/A	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.9 years	26.2 years	8.6 years	26.3 years	26.4 years	19.9 years	22.0 years
Number of annuitants	2	113	0	157	38	1,736	7
Number of active contributing members	13	368	3	267	145	2,297	24
Number of inactive members	2	163	5	171	74	778	10
Average age of contributing members	49.5 years	43.1 years	59.5 years	41.3 years	39.8 years	45.4 years	45.2 years
Average length of service of contributing members	13.4 years	12.5 years	13.6 years	11.2 years	9.7 years	12.6 years	10.0 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$19,756,041	\$345,481	\$876,096	\$2,199,451	\$65,130	\$4,092,962	\$179,721
a. Contributing Members	2,991,807	74,264	614,049	125,803	0	1,068,248	240,000
b. Noncontributing Members	16,774,973	729,269	339,980	2,981,143	0	3,254,125	945,298
c. Annuitants	\$39,522,821	\$1,149,014	\$1,830,125	\$5,306,397	\$65,130	\$8,415,335	\$1,365,019
2. Total Actuarial Acrued Liability	32,387,528	1,126,825	1,733,973	5,015,615	86,844	7,495,227	1,452,155
3. Actuarial value of assets	\$7,135,293	\$22,189	\$96,152	\$290,782	(\$21,714)	\$920,108	(\$87,136)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	81.9%	98.1%	94.7%	94.5%	133.3%	89.1%	106.4%
5. Funded Ratio: (3) / (2)	\$8,693,779	\$717,108	\$1,018,833	\$964,311	\$123,951	\$2,329,282	\$310,706
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	9.19%	1.75%	8.21%	9.63%	1.46%	7.50%	4.51%
Prior Service	5.04%	0.22%	0.57%	1.88%	-1.10%	2.41%	-1.77%
Total Retirement	14.23%	1.97%	8.78%	11.51%	0.36%	9.91%	2.74%
Supplemental Death	0.22%	0.21%	0.14%	0.16%	0.36%	0.28%	0.53%
Total Rate	14.45%	2.18%	8.92%	11.67%	0.36%	10.19%	3.27%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	8.61%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	13.50%	15.50%	7.50%	11.50%	10.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.1 years	20.6 years	26.8 years	25.4 years	25.1 years	26.4 years	24.9 years
Number of annuitants	116	14	7	16	0	33	12
Number of active contributing members	195	31	23	22	4	68	9
Number of inactive members	67	39	26	4	0	28	12
Average age of contributing members	43.8 years	40.4 years	42.9 years	42.2 years	47.2 years	46.8 years	45.0 years
Average length of service of contributing members	10.8 years	3.7 years	6.2 years	10.8 years	7.3 years	10.1 years	5.4 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Cross Plains	Crowley	Crystal City	Cuero	Cumby	Dainergfield	Daisetta
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$358,765	\$8,460,502	\$711,492	\$4,362,797	\$153,816	\$586,619	\$36,999
b. Noncontributing Members	197,453	1,090,034	251,382	808,086	1,255	466,982	31,030
c. Annuitants	102,041	1,250,339	1,420,818	3,913,912	18,681	711,878	6,797
2. Total Actuarial Acrued Liability	\$658,259	\$10,800,875	\$2,383,692	\$9,084,795	\$173,752	\$1,765,479	\$74,826
3. Actuarial value of assets	608,044	8,945,018	3,066,808	6,942,142	102,879	1,609,808	124,911
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$50,215	\$1,855,857	(\$683,116)	\$2,142,653	\$70,873	\$155,671	(\$50,085)
5. Funded Ratio: (3) / (2)	92.4%	82.8%	128.7%	76.4%	59.2%	91.2%	166.9%
6. Annual Payroll	\$289,063	\$4,532,582	\$1,085,745	\$3,373,735	\$356,212	\$676,934	\$228,062
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	7.16%	7.97%	3.49%	6.11%	0.60%	5.09%	1.35%
Prior Service	1.04%	2.49%	-3.49%	3.90%	1.37%	1.40%	-1.35%
Total Retirement	8.20%	10.46%	0.00%	10.01%	1.97%	6.49%	0.00%
Supplemental Death	0.40%	0.15%	0.00%	0.20%	0.12%	0.00%	0.17%
Total Rate	8.60%	10.61%	0.00%	10.21%	2.09%	6.49%	0.17%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	8.35%	10.26%	N/A	N/A	N/A	6.29%	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	12.50%	11.50%	11.50%	N/A	9.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	27.2 years	26.5 years	31.3 years	26.1 years	21.6 years	26.5 years	26.0 years
Number of annuitants	1	19	18	42	1	9	1
Number of active contributing members	7	105	44	90	12	18	8
Number of inactive members	5	55	33	28	4	11	12
Average age of contributing members	50.2 years	42.4 years	43.4 years	42.6 years	45.3 years	43.0 years	48.1 years
Average length of service of contributing members	8.0 years	9.7 years	6.0 years	9.0 years	7.4 years	7.1 years	2.8 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$2,851,587	\$3,875,059	\$204,539	\$7,482	\$3,127,426	\$141,903	\$45,864,396
b. Noncontributing Members	884,944	891,632	7,888	145,247	488,391	\$7,044	12,076,891
c. Annuitants	2,108,561	525,354	5,380	0	1,053,506	314,902	30,019,089
2. Total Actuarial Acrued Liability	\$5,845,092	\$5,292,045	\$217,807	\$152,729	\$4,669,323	\$513,849	\$87,960,376
3. Actuarial value of assets	6,043,518	2,794,260	124,802	134,193	3,995,813	485,430	76,955,194
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$198,426)	\$2,497,785	\$93,005	\$18,536	\$673,510	\$28,419	\$11,005,182
5. Funded Ratio: (3) / (2)	103.4%	52.8%	57.3%	87.9%	85.6%	94.5%	87.5%
6. Annual Payroll	\$2,091,915	\$1,501,150	\$314,353	\$51,814	\$2,875,644	\$437,005	\$18,928,562
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	5.25%	11.02%	3.40%	4.32%	3.82%	0.29%	8.61%
Prior Service	-0.60%	2.23%	1.46%	4.73%	5.28%	0.46%	3.57%
Total Retirement	4.65%	21.23%	5.63%	9.05%	5.28%	0.75%	12.18%
Supplemental Death	0.21%	0.10%	0.13%	0.23%	0.17%	0.12%	0.13%
Total Rate	4.86%	21.33%	5.76%	9.28%	5.45%	0.87%	12.31%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	19.81%	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	N/A	13.50%	7.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	24.8 years	26.1 years	18.9 years	9.1 years	25.4 years	20.8 years	26.1 years
Number of annuitants	22	4	1	0	25	6	139
Number of active contributing members	58	26	9	1	77	12	299
Number of inactive members	48	19	5	3	65	10	153
Average age of contributing members	41.4 years	36.7 years	46.5 years	58.8 years	43.3 years	36.6 years	42.6 years
Average length of service of contributing members	7.7 years	9.6 years	6.2 years	2.5 years	7.8 years	6.7 years	12.4 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$2,851,587	\$3,875,059	\$204,539	\$7,482	\$3,127,426	\$141,903	\$45,864,396
b. Noncontributing Members	884,944	891,632	7,888	145,247	488,391	\$7,044	12,076,891
c. Annuitants	2,108,561	525,354	5,380	0	1,053,506	314,902	30,019,089
2. Total Actuarial Acrued Liability	\$5,845,092	\$5,292,045	\$217,807	\$152,729	\$4,669,323	\$513,849	\$87,960,376
3. Actuarial value of assets	6,043,518	2,794,260	124,802	134,193	3,995,813	485,430	76,955,194
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$198,426)	\$2,497,785	\$93,005	\$18,536	\$673,510	\$28,419	\$11,005,182
5. Funded Ratio: (3) / (2)	103.4%	52.8%	57.3%	87.9%	85.6%	94.5%	87.5%
6. Annual Payroll	\$2,091,915	\$1,501,150	\$314,353	\$51,814	\$2,875,644	\$437,005	\$18,928,562

Actuarial Valuation of Participating Municipalities

CONTINUED

	Deer Park	Deer Park	DeKalb	Del Rio	Dell City	Denison	Denton
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$46,565,728	\$176,468	\$17,751,234	\$311,409	\$24,957,218	\$180,038,764	
b. Noncontributing Members	4,461,949	169,702	942,283	0	2,810,128	30,041,944	
c. Annuitants	45,254,065	116,005	3,229,832	0	19,171,114	88,820,024	
2. Total Actuarial Acrued Liability	\$96,281,742	\$462,175	\$17,929,349	\$311,409	\$46,938,460	\$298,900,732	
3. Actuarial value of assets	86,464,502	558,335	10,837,244	310,201	43,079,368	229,285,432	
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$9,817,240	(\$96,160)	\$7,092,105	\$1,208	\$3,859,092	\$69,615,300	
5. Funded Ratio: (3) / (2)	89.8%	120.8%	60.4%	99.6%	91.8%	76.7%	
6. Annual Payroll	\$17,034,551	\$418,432	\$16,885,800	\$118,071	\$9,584,871	\$61,916,023	
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	11.25%	2.20%	1.55%	8.86%	10.84%	11.93%	
Prior Service	3.52%	-1.45%	2.59%	0.06%	2.51%	6.88%	
Total Retirement	14.77%	0.75%	4.14%	8.92%	13.35%	18.81%	
Supplemental Death	0.17%	0.19%	0.16%	0.48%	0.00%	0.17%	
Total Rate	14.94%	0.94%	4.30%	9.40%	13.35%	18.98%	
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	18.11%	
Statutory Maximum Rate (Total Retirement Only)	N/A	8.50%	N/A	N/A	N/A	N/A	
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.3 years	24.9 years	25.9 years	28.3 years	25.4 years	26.2 years	
Number of annuitants	157	6	45	0	108	372	
Number of active contributing members	111	14	473	3	205	1,033	
Number of inactive members	54	9	115	0	75	352	
Average age of contributing members	43.2 years	46.7 years	42.5 years	47.7 years	44.8 years	43.6 years	
Average length of service of contributing members	10.5 years	11.9 years	8.6 years	14.7 years	11.9 years	12.0 years	
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$3,103,705	\$1,760,975	\$2,817,415	\$14,926	\$7,805,755	\$570,229	
b. Noncontributing Members	675,260	70,822	1,086,215	945	1,039,340	55,591	
c. Annuitants	3,077,814	442,058	3,846,349	0	3,846,464	547,579	
2. Total Actuarial Acrued Liability	\$6,856,779	\$2,273,855	\$7,749,979	\$15,871	\$10,110,559	\$1,173,399	
3. Actuarial value of assets	6,369,419	1,298,904	6,593,426	26,003	8,957,019	1,086,117	
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$487,360	\$974,951	\$1,156,553	(\$10,132)	\$1,153,540	\$87,282	
5. Funded Ratio: (3) / (2)	92.9%	57.1%	85.1%	163.8%	88.6%	92.6%	
6. Annual Payroll	\$1,244,640	\$1,297,555	\$1,700,717	\$47,858	\$4,574,042	\$815,812	
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	10.37%	4.15%	8.68%	0.39%	6.45%	1.27%	
Prior Service	2.42%	4.62%	4.16%	-0.39%	1.73%	0.74%	
Total Retirement	12.79%	8.77%	12.84%	0.00%	8.18%	2.01%	
Supplemental Death	0.21%	0.16%	0.20%	0.03%	0.14%	0.13%	
Total Rate	13.00%	8.93%	13.04%	0.03%	8.32%	2.14%	
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	8.80%	12.83%	N/A	N/A	N/A	
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	13.50%	N/A	13.50%	7.50%	
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.8 years	26.0 years	26.2 years	100.0 years	21.8 years	21.5 years	
Number of annuitants	14	7	26	0	15	12	
Number of active contributing members	28	36	45	2	105	29	
Number of inactive members	19	9	27	2	54	21	
Average age of contributing members	43.9 years	44.1 years	42.1 years	32.9 years	41.8 years	42.5 years	
Average length of service of contributing members	12.4 years	10.7 years	10.1 years	3.8 years	9.1 years	9.4 years	
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$7,579	\$1,760,975	\$2,817,415	\$14,926	\$7,805,755	\$570,229	
b. Noncontributing Members	0	70,822	1,086,215	945	1,039,340	55,591	
c. Annuitants	88,702	442,058	3,846,349	0	3,846,464	547,579	
2. Total Actuarial Acrued Liability	\$96,281	\$2,273,855	\$7,749,979	\$15,871	\$10,110,559	\$1,173,399	
3. Actuarial value of assets	65,775	1,298,904	6,593,426	26,003	8,957,019	1,086,117	
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$30,506	\$974,951	\$1,156,553	(\$10,132)	\$1,153,540	\$87,282	
5. Funded Ratio: (3) / (2)	68.3%	57.1%	85.1%	163.8%	88.6%	92.6%	
6. Annual Payroll	\$35,903	\$1,297,555	\$1,700,717	\$47,858	\$4,574,042	\$815,812	
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	1.35%	4.15%	8.68%	0.39%	6.45%	1.27%	
Prior Service	9.31%	4.62%	4.16%	-0.39%	1.73%	0.74%	
Total Retirement	10.66%	8.77%	12.84%	0.00%	8.18%	2.01%	
Supplemental Death	0.35%	0.16%	0.20%	0.03%	0.14%	0.13%	
Total Rate	11.01%	8.93%	13.04%	0.03%	8.32%	2.14%	
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	8.80%	12.83%	N/A	N/A	N/A	
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	13.50%	N/A	13.50%	7.50%	
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	11.4 years	26.0 years	26.2 years	100.0 years	21.8 years	21.5 years	
Number of annuitants	2	7	26	0	15	12	
Number of active contributing members	1	36	45	2	105	29	
Number of inactive members	0	9	27	2	54	21	
Average age of contributing members	46.4 years	44.1 years	42.1 years	32.9 years	41.8 years	42.5 years	
Average length of service of contributing members	3.3 years	10.7 years	10.1 years	3.8 years	9.1 years	9.4 years	

Actuarial Valuation of Participating Municipalities

CONTINUED

	Dumas	Dublin	Driscoll	Dripping Springs	Double Oak	Donna	Dimmitt	Duncanville	East Mountain	Earth	Early	Eagle Pass	Eagle Lake	East Tawakoni
SUMMARY OF ACTUARIAL INFORMATION														
1. Actuarial Acrued Liability	\$1,373,970	\$1,373,970	\$23,377	\$176,358	\$217,439	\$2,193,378	\$1,656,000	\$31,949,466	\$187,868	\$63,831	\$919,096	\$25,650,804	\$1,583,720	\$151,103
a. Contributing Members	593,804	593,804	14,950	6,676	26,196	710,106	250,340	7,884,101	38,948	32,261	40,085	1,125,394	365,262	56,723
b. Noncontributing Members	471,118	471,118	0	0	12,506	286,609	1,485,426	42,986,490	0	63,684	669,787	20,325,536	812,305	404,729
c. Annuitants	\$2,438,892	\$2,438,892	\$38,327	\$183,034	\$256,141	\$3,190,093	\$3,391,766	\$82,820,057	\$226,816	\$159,776	\$1,628,968	\$47,101,734	\$2,761,287	\$612,555
2. Total Actuarial Acrued Liability	1,663,745	1,663,745	25,717	177,763	264,815	3,430,367	3,685,877	86,515,076	161,798	113,372	1,824,761	44,483,234	1,671,989	504,566
3. Actuarial value of assets	\$775,147	\$775,147	\$12,610	\$5,271	(\$8,674)	(\$240,111)	(\$294,111)	(\$3,695,019)	\$65,018	\$46,404	(\$195,793)	\$2,618,500	(\$52,193)	\$107,989
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	68.2%	68.2%	67.1%	97.1%	103.4%	107.5%	108.7%	104.5%	71.3%	71.0%	112.0%	94.4%	101.9%	82.4%
5. Funded Ratio: (3) / (2)	\$858,020	\$858,020	\$138,675	\$322,549	\$501,336	\$2,782,192	\$879,167	\$14,666,972	\$132,061	\$169,609	\$897,931	\$13,039,706	\$986,687	\$229,143
6. Annual Payroll														
CITY CONTRIBUTION RATES FOR 2013														
Retirement														
Normal Cost	4.57%	7.19%	0.86%	1.20%	0.80%	2.75%	8.91%	24.9 years	28.0 years	22.5 years	22.4 years	24.6 years	25.3 years	26.2 years
Prior Service	1.26%	5.33%	0.61%	0.11%	-0.11%	-0.54%	-2.11%	13	8	0	0	1	15	49
Total Retirement	5.83%	12.52%	1.47%	1.31%	0.69%	2.21%	6.80%	29	27	5	6	10	83	117
Supplemental Death	0.15%	0.18%	0.13%	0.11%	0.27%	0.19%	0.00%	8	42	12	2	6	56	73
Total Rate	5.98%	12.70%	1.60%	1.42%	0.96%	2.40%	6.80%	45.8 years	42.0 years	44.4 years	44.6 years	47.0 years	42.1 years	39.9 years
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.9 years	8.3 years	2.8 years	7.5 years	7.9 years	7.5 years	8.1 years
Statutory Maximum Rate (Total Retirement Only)	9.50%	13.50%	N/A	N/A	N/A	7.50%	12.50%							
ADDITIONAL INFORMATION														
GASB 25 Equivalent Single Amortization Period as of 1/2013														
Number of annuitants														
Number of active contributing members														
Number of inactive members														
Average age of contributing members														
Average length of service of contributing members														
SUMMARY OF ACTUARIAL INFORMATION														
1. Actuarial Acrued Liability	\$187,868	\$187,868	\$63,831	\$919,096	\$25,650,804	\$1,583,720	\$31,949,466	\$82,820,057	\$226,816	\$159,776	\$1,628,968	\$47,101,734	\$2,761,287	\$612,555
a. Contributing Members	56,723	56,723	32,261	40,085	1,125,394	365,262	7,884,101	42,986,490	0	63,684	669,787	20,325,536	812,305	404,729
b. Noncontributing Members	404,729	404,729	0	0	12,506	286,609	1,485,426	82,820,057	\$226,816	\$159,776	\$1,628,968	\$47,101,734	\$2,761,287	\$612,555
c. Annuitants	\$612,555	\$612,555	\$38,327	\$183,034	\$256,141	\$3,190,093	\$3,391,766	\$82,820,057	\$226,816	\$159,776	\$1,628,968	\$47,101,734	\$2,761,287	\$612,555
2. Total Actuarial Acrued Liability	504,566	504,566	63,684	669,787	20,325,536	3,430,367	3,685,877	86,515,076	161,798	113,372	1,824,761	44,483,234	1,671,989	504,566
3. Actuarial value of assets	\$107,989	\$107,989	\$46,404	(\$195,793)	\$2,618,500	(\$52,193)	(\$3,695,019)	(\$3,695,019)	\$65,018	\$46,404	(\$195,793)	\$2,618,500	(\$52,193)	\$107,989
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	82.4%	82.4%	71.0%	112.0%	94.4%	101.9%	104.5%	104.5%	71.3%	71.0%	112.0%	94.4%	101.9%	82.4%
5. Funded Ratio: (3) / (2)	\$229,143	\$229,143	\$169,609	\$897,931	\$13,039,706	\$986,687	\$14,666,972	\$14,666,972	\$132,061	\$169,609	\$897,931	\$13,039,706	\$986,687	\$229,143
6. Annual Payroll														
CITY CONTRIBUTION RATES FOR 2013														
Retirement														
Normal Cost	6.69%	5.82%	2.11%	4.17%	9.05%	7.92%	7.25%	24.9 years	15.2 years	20.5 years	25.1 years	26.9 years	25.4 years	20.1 years
Prior Service	3.41%	4.32%	1.95%	-1.37%	1.21%	-1.59%	-1.59%	154	0	1	9	132	10	3
Total Retirement	10.10%	10.14%	4.06%	2.80%	10.26%	7.59%	5.66%	242	4	7	23	382	31	7
Supplemental Death	0.27%	0.21%	0.33%	0.19%	0.20%	0.18%	0.00%	107	2	3	5	67	24	5
Total Rate	10.37%	10.35%	4.39%	2.99%	10.46%	7.77%	5.66%	42.6 years	53.5 years	54.7 years	41.9 years	43.0 years	44.2 years	54.7 years
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11.7 years	16.2 years	5.4 years	7.9 years	9.9 years	6.7 years	4.6 years
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	9.50%	11.50%	12.50%	N/A							
ADDITIONAL INFORMATION														
GASB 25 Equivalent Single Amortization Period as of 1/2013														
Number of annuitants														
Number of active contributing members														
Number of inactive members														
Average age of contributing members														
Average length of service of contributing members														

Actuarial Valuation of Participating Municipalities

CONTINUED

	Eastland	Ector	Eden	Edgewood	Edinburg	Edna	El Campo
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$1,579,670	\$72,781	\$349,033	\$91,870	\$50,909,772	\$3,538,566	\$9,539,458
a. Contributing Members	239,712	3,889	174,738	74,276	5,211,053	379,199	2,154,868
b. Noncontributing Members	884,781	20,770	580,067	78,519	24,992,466	1,697,766	7,941,753
c. Annuitants	\$2,704,163	\$97,440	\$1,103,838	\$244,665	\$81,113,291	\$5,615,531	\$19,636,079
2. Total Actuarial Accrued Liability	2,336,856	104,309	990,414	192,295	58,231,112	4,380,127	17,321,560
3. Actuarial value of assets	\$367,307	(\$6,869)	\$113,424	\$52,370	\$22,882,179	\$1,235,404	\$2,314,519
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	86.4%	107.0%	89.7%	78.6%	71.8%	78.0%	88.2%
5. Funded Ratio: (3) / (2)	\$1,260,632	\$117,830	\$465,656	\$225,410	\$25,272,746	\$1,753,427	\$4,654,107
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	7.48%	1.88%	3.48%	1.72%	9.22%	8.40%	7.13%
Prior Service	1.78%	-0.37%	1.51%	1.62%	5.52%	4.31%	3.06%
Total Retirement	9.26%	1.51%	4.99%	3.34%	14.74%	12.71%	10.19%
Supplemental Death	0.00%	0.31%	0.29%	0.24%	0.13%	0.20%	0.21%
Total Rate	9.26%	1.82%	5.28%	3.58%	14.87%	12.91%	10.40%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	8.74%	N/A	N/A	N/A	13.73%	12.70%	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	7.50%	N/A	13.50%	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.3 years	24.7 years	25.7 years	21.2 years	26.4 years	26.2 years	26.0 years
Number of annuitants	11	1	9	5	143	20	50
Number of active contributing members	34	3	14	6	662	46	106
Number of inactive members	24	1	10	6	191	21	45
Average age of contributing members	44.7 years	50.5 years	53.3 years	51.3 years	41.0 years	42.4 years	42.4 years
Average length of service of contributing members	8.3 years	8.4 years	9.7 years	6.7 years	8.2 years	10.5 years	12.2 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$1,387,052	\$649,140	\$4,324,836	\$165,680	\$27,877	\$726,382	\$27,996,378
a. Contributing Members	81,652	290,495	954,234	158,173	23,081	64,394	2,056,979
b. Noncontributing Members	312,132	696,980	868,169	207,201	17,719	27,797	18,262,413
c. Annuitants	\$1,780,836	\$1,656,615	\$6,147,239	\$531,054	\$68,677	\$818,573	\$48,315,770
2. Total Actuarial Accrued Liability	1,520,848	1,489,868	4,882,894	438,601	62,051	835,731	40,157,529
3. Actuarial value of assets	\$259,988	\$146,747	\$1,264,345	\$92,453	\$6,626	(\$171,58)	\$8,158,241
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	85.4%	91.0%	79.4%	82.6%	90.4%	102.1%	83.1%
5. Funded Ratio: (3) / (2)	\$536,446	\$1,011,071	\$2,808,189	\$268,733	\$218,913	\$777,605	\$8,640,472
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	7.41%	1.74%	8.06%	3.79%	0.26%	3.80%	13.64%
Prior Service	2.96%	1.04%	2.72%	2.11%	0.19%	-0.14%	5.78%
Total Retirement	10.37%	2.78%	10.78%	5.90%	0.45%	3.66%	19.42%
Supplemental Death	0.30%	0.27%	0.21%	0.00%	0.09%	0.28%	0.21%
Total Rate	10.67%	3.05%	10.99%	5.90%	0.54%	3.94%	19.63%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	10.41%	N/A	10.07%	N/A	N/A	N/A	18.44%
Statutory Maximum Rate (Total Retirement Only)	10.50%	7.50%	12.50%	N/A	N/A	11.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.3 years	20.4 years	26.8 years	26.1 years	25.1 years	24.7 years	26.2 years
Number of annuitants	6	16	11	2	1	2	93
Number of active contributing members	18	30	67	7	9	20	160
Number of inactive members	6	29	37	4	7	3	33
Average age of contributing members	40.5 years	43.5 years	47.9 years	47.4 years	34.2 years	51.7 years	45.4 years
Average length of service of contributing members	9.1 years	7.5 years	9.9 years	7.5 years	1.8 years	10.5 years	13.5 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Euless	Eustace	Everman	Fair Oaks Ranch	Fairfield	Fairview	Fallurius
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$85,401,378	\$119,305	\$2,744,719	\$2,490,721	\$1,430,180	\$2,611,057	\$815,900
a. Contributing Members	10,906,809	43,351	408,375	561,657	533,028	380,122	98,992
b. Noncontributing Members	46,627,266	168,504	1,219,317	2,347,688	1,798,530	133,859	116,772
c. Annuitants	\$142,935,453	\$331,160	\$4,372,411	\$3,287,146	\$3,761,738	\$3,125,038	\$1,031,664
2. Total Actuarial Acrued Liability	121,232,189	407,848	3,703,248	2,804,927	4,296,680	2,255,628	1,038,939
3. Actuarial value of assets	\$21,703,264	(\$76,688)	\$669,163	\$482,219	(\$534,942)	\$869,410	(\$7,275)
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	84.8%	123.2%	84.7%	85.3%	114.2%	72.2%	100.7%
5. Funded Ratio: (3) / (2)	\$23,651,373	\$263,082	\$1,511,524	\$1,778,989	\$1,767,991	\$2,560,445	\$920,594
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	13.83%	1.96%	6.76%	10.29%	5.22%	5.29%	1.55%
Prior Service	5.63%	-1.83%	2.69%	1.65%	-1.90%	2.31%	-0.05%
Total Retirement	19.46%	0.13%	9.45%	11.94%	3.32%	7.60%	1.50%
Supplemental Death	0.00%	0.15%	0.23%	0.16%	0.21%	0.12%	0.27%
Total Rate	19.46%	0.28%	9.68%	12.10%	3.53%	7.72%	1.77%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	18.99%	N/A	9.53%	11.78%	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	9.50%	11.50%	13.50%	11.50%	N/A	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.1 years	25.1 years	26.5 years	26.5 years	25.1 years	22.0 years	24.8 years
Number of annuitants	144	5	16	4	17	3	4
Number of active contributing members	361	9	38	37	39	47	31
Number of inactive members	139	5	37	24	24	17	9
Average age of contributing members	44.2 years	36.0 years	44.0 years	43.1 years	45.2 years	42.9 years	49.3 years
Average length of service of contributing members	14.1 years	4.4 years	10.3 years	6.3 years	6.2 years	7.2 years	10.3 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$502,342	\$26,648	\$82,004,739	\$1,455,869	\$215,392	\$696,301	\$24,927
a. Contributing Members	57,225	86,316	27,256,493	577,083	47,746	191,293	0
b. Noncontributing Members	231,054	52,653	88,969,780	1,891,747	586,439	115,032	36,099
c. Annuitants	\$790,621	\$165,617	\$198,231,012	\$3,924,699	\$849,577	\$1,002,626	\$61,026
2. Total Actuarial Acrued Liability	651,645	90,324	167,716,459	3,272,305	679,315	520,590	76,225
3. Actuarial value of assets	\$138,976	\$75,293	\$30,514,553	\$652,394	\$170,262	\$482,036	(\$15,199)
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	82.4%	54.5%	84.6%	83.4%	80.0%	51.9%	124.9%
5. Funded Ratio: (3) / (2)	\$452,250	\$96,553	\$26,392,968	\$1,150,980	\$195,452	\$827,327	\$45,508
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	1.63%	3.81%	12.73%	5.80%	7.39%	3.26%	1.65%
Prior Service	2.18%	4.78%	7.07%	3.48%	5.35%	4.01%	-1.65%
Total Retirement	3.81%	8.59%	19.80%	9.28%	12.74%	7.27%	0.00%
Supplemental Death	0.27%	0.29%	0.13%	0.20%	0.14%	0.14%	0.00%
Total Rate	4.08%	8.88%	19.93%	9.48%	12.88%	7.41%	0.00%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	19.43%	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	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	20.7 years	26.1 years	26.3 years	26.1 years	26.1 years	21.7 years	40.1 years
Number of annuitants	4	1	235	16	2	2	1
Number of active contributing members	12	4	373	27	6	18	1
Number of inactive members	9	8	216	9	6	12	0
Average age of contributing members	47.2 years	46.3 years	42.5 years	45.0 years	40.9 years	43.1 years	46.5 years
Average length of service of contributing members	13.6 years	1.7 years	12.7 years	8.0 years	6.9 years	10.0 years	8.3 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Ferris	Flintonia	Florence	Floresville	Flower Mound	Floydada	Forest Hill
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$1,079,786	\$2,027,856	\$107,662	\$2,074,997	\$48,933,979	\$2,014,063	\$6,050,041
a. Contributing Members	962,992	414,845	106,063	339,340	10,234,540	39,002	2,864,017
b. Noncontributing Members	706,628	578,352	15,525	2,152,360	12,578,245	1,882,979	5,435,674
c. Annuitants	\$2,749,406	\$3,021,053	\$229,250	\$4,566,697	\$71,746,764	\$3,936,044	\$14,349,732
2. Total Actuarial Acrued Liability	2,445,992	2,402,500	225,489	3,359,955	64,500,367	3,251,044	12,011,591
3. Actuarial value of assets	\$303,414	\$618,503	\$3,761	\$1,206,742	\$7,246,397	\$685,000	\$2,338,141
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	89.0%	79.5%	98.4%	73.6%	89.9%	82.6%	83.7%
5. Funded Ratio: (3) / (2)	\$1,207,530	\$655,224	\$319,276	\$1,907,027	\$28,334,666	\$975,719	\$3,955,743
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	4.36%	12.88%	3.02%	7.16%	7.20%	8.10%	9.45%
Prior Service	1.55%	5.80%	0.10%	1.78%	1.00%	4.30%	3.66%
Total Retirement	5.91%	18.68%	3.12%	11.03%	8.98%	12.40%	13.11%
Supplemental Death	0.25%	0.16%	0.10%	0.00%	0.12%	0.39%	0.11%
Total Rate	6.16%	18.84%	3.22%	11.03%	9.10%	12.79%	13.22%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	18.32%	N/A	N/A	N/A	N/A	13.20%
Statutory Maximum Rate (Total Retirement Only)	9.50%	N/A	N/A	11.50%	13.50%	N/A	13.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.9 years	26.0 years	16.0 years	26.3 years	21.3 years	26.2 years	25.7 years
Number of annuitants	14	9	1	20	104	17	50
Number of active contributing members	32	17	9	51	518	19	70
Number of inactive members	29	6	11	24	301	5	67
Average age of contributing members	45.0 years	45.6 years	41.1 years	44.0 years	40.0 years	43.9 years	40.0 years
Average length of service of contributing members	7.6 years	11.8 years	4.3 years	7.2 years	8.9 years	13.5 years	8.8 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$7,998,827	\$4,483,709	\$172,683	\$115,788	\$15,147,443	\$6,226,121	\$310,698
a. Contributing Members	1,203,109	1,346,541	21,064	32,633	1,659,676	3,378,561	121,209
b. Noncontributing Members	2,214,598	5,951,577	161,307	192,470	7,000,052	7,937,918	279,655
c. Annuitants	\$11,416,534	\$11,781,827	\$355,054	\$340,891	\$23,807,171	\$17,542,600	\$711,562
2. Total Actuarial Acrued Liability	7,932,758	9,218,250	418,546	262,001	25,654,128	13,664,468	426,486
3. Actuarial value of assets	\$3,483,776	\$2,563,577	(\$63,492)	\$78,890	(\$1,846,957)	\$3,878,132	\$285,076
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	69.5%	78.2%	117.9%	76.9%	107.8%	77.9%	59.9%
5. Funded Ratio: (3) / (2)	\$5,448,381	\$4,443,650	\$513,217	\$379,371	\$7,831,930	\$5,140,751	\$570,242
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	8.86%	6.61%	0.82%	0.83%	5.78%	8.01%	2.61%
Prior Service	3.93%	3.55%	-0.78%	1.46%	-1.48%	4.61%	3.10%
Total Retirement	12.79%	10.16%	0.04%	2.29%	4.30%	12.62%	5.71%
Supplemental Death	0.10%	0.24%	0.00%	0.20%	0.00%	0.15%	0.20%
Total Rate	12.89%	10.40%	0.04%	2.49%	4.30%	12.77%	5.91%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	12.48%	N/A	N/A	N/A	N/A	11.66%	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	11.50%	7.50%	N/A	11.50%	13.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.0 years	26.0 years	24.9 years	21.0 years	25.1 years	26.3 years	25.6 years
Number of annuitants	13	52	2	4	62	56	5
Number of active contributing members	100	99	15	13	159	123	21
Number of inactive members	28	48	7	5	40	103	11
Average age of contributing members	38.4 years	40.8 years	42.7 years	41.3 years	46.6 years	39.1 years	45.5 years
Average length of service of contributing members	7.0 years	6.5 years	4.9 years	4.5 years	13.7 years	5.7 years	6.7 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Friendswood	Frisona	Frisco	Fritch	Frost	Fulshear	Fulton
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$28,835,750	\$1,848,399	\$97,301,613	\$237,248	\$34,063	\$135,084	\$149,836
a. Contributing Members	6,512,014	394,291	8,821,513	223,578	4,887	863	0
b. Noncontributing Members	13,877,185	1,463,366	7,554,733	414,433	188,979	0	114,266
c. Annuitants	\$49,224,949	\$3,706,056	\$113,677,859	\$875,259	\$227,929	\$135,947	\$264,102
2. Total Actuarial Acrued Liability	39,062,666	3,136,039	82,772,110	1,407,629	217,805	63,431	35,870
3. Actuarial value of assets	\$10,162,283	\$570,017	\$30,905,749	(\$532,370)	\$10,124	\$72,516	\$228,232
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	79.4%	84.6%	72.8%	160.8%	95.6%	46.7%	13.6%
5. Funded Ratio: (3) / (2)	\$12,058,699	\$898,312	\$52,621,249	\$835,608	\$95,708	\$600,869	\$187,295
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	10.40%	8.53%	9.71%	4.62%	1.77%	0.14%	4.72%
Prior Service	5.07%	3.97%	3.89%	-4.01%	0.65%	0.80%	14.87%
Total Retirement	15.47%	12.50%	13.30%	0.61%	2.42%	0.94%	19.59%
Supplemental Death	0.17%	0.17%	0.11%	0.10%	0.00%	0.13%	0.29%
Total Rate	15.64%	12.67%	13.41%	0.71%	2.42%	1.07%	19.88%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	13.04%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	13.50%	13.50%	7.50%	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	27.0 years	25.3 years	26.3 years	25.0 years	26.0 years	23.0 years	10.0 years
Number of annuitants	72	13	55	6	2	0	1
Number of active contributing members	199	25	825	23	4	16	5
Number of inactive members	82	22	263	19	1	1	0
Average age of contributing members	43.2 years	43.7 years	40.8 years	37.8 years	44.2 years	40.8 years	49.2 years
Average length of service of contributing members	11.3 years	10.8 years	9.2 years	2.3 years	4.3 years	5.8 years	10.2 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$17,690,908	\$5,930,901	\$829,220	\$1,042,991	\$362,101,225	\$1,042,686	\$61,210
a. Contributing Members	2,996,346	1,562,728	977,180	170,405	37,156,472	283,591	3,182
b. Noncontributing Members	11,773,772	6,993,427	379,317	334,013	285,421,064	67,019	225,651
c. Annuitants	\$32,461,026	\$14,487,056	\$2,185,717	\$1,547,409	\$684,678,761	\$1,393,296	\$290,043
2. Total Actuarial Acrued Liability	25,734,636	11,952,210	2,077,114	1,137,383	661,956,058	1,237,531	221,540
3. Actuarial value of assets	\$6,726,390	\$2,534,846	\$108,603	\$410,026	\$22,722,703	\$155,765	\$68,503
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	79.3%	82.5%	95.0%	73.5%	96.7%	88.8%	76.4%
5. Funded Ratio: (3) / (2)	\$10,028,924	\$3,055,762	\$467,071	\$1,187,114	\$128,494,145	\$320,164	\$135,380
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	6.29%	9.79%	11.90%	3.07%	10.43%	15.25%	3.00%
Prior Service	4.12%	5.07%	1.42%	2.38%	1.09%	2.85%	3.07%
Total Retirement	10.41%	14.86%	13.32%	5.45%	11.52%	18.10%	6.07%
Supplemental Death	0.21%	0.30%	0.32%	0.13%	0.18%	0.47%	0.00%
Total Rate	10.62%	15.16%	13.64%	5.58%	11.70%	18.57%	6.07%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	10.35%	14.96%	12.75%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	13.50%	11.50%	N/A	N/A	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.1 years	26.3 years	26.3 years	21.6 years	25.9 years	28.3 years	26.6 years
Number of annuitants	99	50	5	7	1,058	2	2
Number of active contributing members	208	69	11	26	1,928	7	3
Number of inactive members	88	44	5	17	435	6	3
Average age of contributing members	43.8 years	42.4 years	52.0 years	43.1 years	44.2 years	55.6 years	40.7 years
Average length of service of contributing members	11.4 years	9.4 years	8.8 years	11.3 years	13.0 years	15.9 years	5.6 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Gatesville	George West	Georgetown	Giddings	Gilmer	Gladeswater	Glen Rose
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$6,677,019	\$667,402	\$51,252,912	\$5,429,588	\$3,813,729	\$2,068,543	\$1,599,041
a. Contributing Members	733,809	28,758	6,133,645	628,081	781,597	1,174,194	195,629
b. Noncontributing Members	4,690,822	173,454	15,464,955	4,152,048	1,853,907	1,488,823	903,877
c. Annuitants	\$12,101,650	\$869,614	\$72,851,512	\$10,209,717	\$6,449,233	\$4,731,560	\$2,698,547
2. Total Actuarial Accrued Liability	9,504,429	508,419	61,924,599	7,111,052	4,963,570	4,646,386	2,068,694
3. Actuarial value of assets	\$2,597,221	\$361,195	\$10,926,913	\$3,098,665	\$1,485,663	\$85,174	\$629,853
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	78.5%	58.5%	85.0%	69.6%	77.0%	98.2%	76.7%
5. Funded Ratio: (3) / (2)	\$2,924,313	\$939,193	\$28,265,435	\$2,402,590	\$1,837,517	\$2,144,598	\$851,107
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	10.25%	2.46%	9.47%	9.90%	8.68%	3.09%	11.25%
Prior Service	5.43%	2.64%	2.37%	7.89%	4.96%	0.25%	4.56%
Total Retirement	15.68%	5.10%	11.84%	17.79%	13.64%	3.34%	15.81%
Supplemental Death	0.24%	0.12%	0.13%	0.18%	0.23%	0.19%	0.31%
Total Rate	15.92%	5.22%	11.97%	17.97%	13.87%	3.53%	16.12%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	15.11%	N/A	N/A	16.69%	N/A	N/A	15.40%
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	13.50%	N/A	N/A	7.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.3 years	21.7 years	26.1 years	26.2 years	26.1 years	25.0 years	25.9 years
Number of annuitants	36	3	102	23	18	10	10
Number of active contributing members	71	32	472	66	49	55	20
Number of inactive members	22	14	144	31	34	57	5
Average age of contributing members	44.1 years	41.8 years	42.0 years	44.0 years	45.3 years	42.2 years	44.5 years
Average length of service of contributing members	10.4 years	7.3 years	8.7 years	9.7 years	11.1 years	8.3 years	7.6 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$2,581,013	\$114,697	\$89,276	\$1,746,499	\$519,187	\$5,567,447	\$30,362
a. Contributing Members	1,420,620	35,332	73,038	260,514	130,976	1,881,178	2,094
b. Noncontributing Members	1,242,253	133,043	0	2,252,353	784,922	5,128,405	0
c. Annuitants	\$5,243,886	\$283,072	\$162,314	\$4,259,366	\$1,435,085	\$12,577,030	\$32,456
2. Total Actuarial Accrued Liability	5,460,760	238,058	160,183	3,174,706	1,606,607	9,863,198	30,956
3. Actuarial value of assets	(8216,874)	\$45,014	\$2,131	\$1,084,660	(\$171,522)	\$2,713,832	\$1,500
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	104.1%	84.1%	98.7%	74.5%	112.0%	78.4%	95.4%
5. Funded Ratio: (3) / (2)	\$3,039,308	\$374,497	\$120,641	\$542,664	\$474,398	\$3,283,457	\$109,133
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	3.61%	1.25%	2.43%	14.11%	5.22%	7.04%	1.87%
Prior Service	-0.45%	0.85%	0.12%	12.26%	-2.28%	5.06%	0.21%
Total Retirement	3.16%	2.10%	2.55%	26.37%	2.94%	12.10%	2.08%
Supplemental Death	0.14%	0.18%	0.26%	0.20%	0.25%	0.23%	0.16%
Total Rate	3.30%	2.28%	2.81%	26.57%	3.19%	12.33%	2.24%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	25.77%	N/A	12.07%	N/A
Statutory Maximum Rate (Total Retirement Only)	12.50%	8.50%	7.50%	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	24.9 years	20.8 years	22.1 years	26.1 years	24.9 years	26.2 years	7.7 years
Number of annuitants	22	4	0	6	6	38	0
Number of active contributing members	67	11	4	12	14	87	3
Number of inactive members	66	11	1	4	11	63	3
Average age of contributing members	42.5 years	45.0 years	52.1 years	46.0 years	47.9 years	43.2 years	49.6 years
Average length of service of contributing members	7.5 years	5.0 years	10.2 years	11.9 years	10.1 years	10.2 years	3.6 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Graham	Graham Regional Med Ctr	Granbury	Grand Prairie	Grand Saline	Grandview	Granger
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$5,269,814	\$9,062,902	\$13,142,129	\$224,605,476	\$1,634,058	\$449,847	\$58,841
a. Contributing Members	1,150,209	2,490,696	3,179,403	28,022,000	233,878	68,009	165,285
b. Noncontributing Members	7,037,458	2,411,277	10,114,395	132,717,221	331,269	439,494	70,440
c. Annuitants	\$13,457,481	\$13,964,875	\$26,435,927	\$385,345,197	\$2,199,205	\$957,350	\$294,566
2. Total Actuarial Accrued Liability	10,850,650	16,139,928	20,189,061	323,972,818	1,978,615	1,037,335	350,159
3. Actuarial value of assets	\$2,606,831	(\$2,175,053)	\$6,246,866	\$61,372,379	\$220,590	(\$79,985)	(\$55,593)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	80.6%	115.6%	76.4%	84.1%	90.0%	108.4%	118.9%
5. Funded Ratio: (3) / (2)	\$3,329,278	\$8,623,045	\$6,471,195	\$69,013,339	\$1,060,551	\$545,787	\$331,570
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	8.41%	3.95%	10.32%	12.34%	4.47%	3.96%	1.62%
Prior Service	4.80%	-1.59%	5.91%	5.46%	1.29%	-0.92%	-1.06%
Total Retirement	13.21%	2.36%	16.23%	17.80%	5.76%	3.04%	0.56%
Supplemental Death	0.33%	0.21%	0.16%	0.17%	0.22%	0.00%	0.00%
Total Rate	13.54%	2.57%	16.39%	17.97%	5.98%	3.04%	0.56%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	13.07%	N/A	15.68%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	9.50%	N/A	N/A	9.50%	11.50%	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.1 years	24.9 years	26.2 years	26.1 years	25.6 years	25.1 years	24.8 years
Number of annuitants	57	42	55	479	10	7	3
Number of active contributing members	79	192	139	1,112	29	9	9
Number of inactive members	32	126	54	344	19	12	11
Average age of contributing members	45.6 years	45.6 years	42.3 years	43.6 years	46.7 years	44.9 years	49.8 years
Average length of service of contributing members	9.0 years	8.1 years	9.1 years	13.0 years	10.4 years	9.0 years	6.1 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$430,200	\$179,251	\$107,888,238	\$45,576,676	\$43,989	\$1,690,270	\$913,464
a. Contributing Members	147,927	46,428	15,364,207	6,983,231	121,053	1,671,093	37,583
b. Noncontributing Members	17,311	376,621	63,435,744	30,828,134	140,285	3,697,624	123,545
c. Annuitants	\$595,438	\$602,300	\$186,688,189	\$83,388,041	\$305,327	\$9,058,987	\$1,074,592
2. Total Actuarial Accrued Liability	599,460	458,336	143,043,423	79,252,550	344,423	7,405,112	844,807
3. Actuarial value of assets	(\$4,022)	\$143,964	\$43,644,766	\$4,135,491	(\$39,096)	\$1,653,875	\$229,785
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	100.7%	76.1%	76.6%	95.0%	112.8%	81.7%	78.6%
5. Funded Ratio: (3) / (2)	\$1,206,489	\$373,020	\$36,403,599	\$16,858,573	\$264,497	\$1,714,129	\$1,282,077
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	0.86%	2.47%	12.33%	9.77%	3.06%	11.51%	0.89%
Prior Service	-0.02%	2.35%	7.34%	1.51%	-0.93%	5.88%	1.26%
Total Retirement	0.84%	4.82%	19.67%	11.28%	2.13%	17.39%	2.15%
Supplemental Death	0.15%	0.00%	0.00%	0.20%	0.11%	0.19%	0.24%
Total Rate	0.99%	4.82%	19.67%	11.48%	2.24%	17.58%	2.39%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	18.67%	N/A	N/A	17.29%	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	N/A	N/A	9.50%	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	27.1 years	26.4 years	26.2 years	26.0 years	25.0 years	26.4 years	21.0 years
Number of annuitants	1	7	223	185	2	13	7
Number of active contributing members	27	11	537	336	6	28	36
Number of inactive members	22	3	199	114	6	9	9
Average age of contributing members	44.7 years	50.2 years	45.3 years	45.0 years	35.6 years	45.9 years	48.5 years
Average length of service of contributing members	5.6 years	6.7 years	12.6 years	11.7 years	2.3 years	9.5 years	10.6 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$913,464	\$1,690,270	\$107,888,238	\$45,576,676	\$43,989	\$1,690,270	\$913,464
a. Contributing Members	37,583	1,671,093	15,364,207	6,983,231	121,053	1,671,093	37,583
b. Noncontributing Members	123,545	3,697,624	63,435,744	30,828,134	140,285	3,697,624	123,545
c. Annuitants	\$1,074,592	\$9,058,987	\$186,688,189	\$83,388,041	\$305,327	\$9,058,987	\$1,074,592
2. Total Actuarial Accrued Liability	844,807	7,405,112	143,043,423	79,252,550	344,423	7,405,112	844,807
3. Actuarial value of assets	\$229,785	\$1,653,875	\$43,644,766	\$4,135,491	(\$39,096)	\$1,653,875	\$229,785
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	78.6%	81.7%	76.6%	95.0%	112.8%	81.7%	78.6%
5. Funded Ratio: (3) / (2)	\$1,282,077	\$1,714,129	\$36,403,599	\$16,858,573	\$264,497	\$1,714,129	\$1,282,077
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	0.89%	11.51%	12.33%	9.77%	3.06%	11.51%	0.89%
Prior Service	1.26%	5.88%	7.34%	1.51%	-0.93%	5.88%	1.26%
Total Retirement	2.15%	17.39%	19.67%	11.28%	2.13%	17.39%	2.15%
Supplemental Death	0.24%	0.19%	0.00%	0.20%	0.11%	0.19%	0.24%
Total Rate	2.39%	17.58%	19.67%	11.48%	2.24%	17.58%	2.39%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	17.29%	18.67%	N/A	N/A	17.29%	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	9.50%	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	21.0 years	26.4 years	26.2 years	26.0 years	25.0 years	26.4 years	21.0 years
Number of annuitants	7	13	223	185	2	13	7
Number of active contributing members	36	28	537	336	6	28	36
Number of inactive members	9	9	199	114	6	9	9
Average age of contributing members	48.5 years	45.9 years	45.3 years	45.0 years	35.6 years	45.9 years	48.5 years
Average length of service of contributing members	10.6 years	9.5 years	12.6 years	11.7 years	2.3 years	9.5 years	10.6 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Groom	Groves	Groveton	Grover	Gun Barrel City	Gunter	Hale Center
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$77,622	\$15,498,452	\$63,094	\$260,498	\$1,063,587	\$74,018	\$105,421
b. Noncontributing Members	1,649	1,410,217	283	216,995	303,857	5,738	82,376
c. Annuitants	116,524	13,002,429	31,109	469,093	666,677	59,525	61,071
2. Total Actuarial Acrued Liability	\$195,795	\$29,911,098	\$94,486	\$946,586	\$2,034,121	\$139,281	\$248,868
3. Actuarial value of assets	222,460	29,938,587	110,618	897,005	1,968,989	185,862	150,054
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$26,665)	\$872,511	(\$16,132)	\$49,581	(\$46,581)	(\$46,581)	\$98,814
5. Funded Ratio: (3) / (2)	113.6%	97.1%	117.1%	94.8%	96.8%	133.4%	60.3%
6. Annual Payroll	\$128,280	\$6,034,863	\$165,179	\$282,153	\$1,623,184	\$419,832	\$364,747
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	3.42%	8.79%	1.73%	4.44%	4.53%	0.70%	0.27%
Prior Service	-1.31%	0.92%	-0.61%	1.21%	0.27%	-0.70%	1.91%
Total Retirement	2.11%	9.71%	1.12%	5.65%	4.80%	0.00%	2.18%
Supplemental Death	0.00%	0.00%	0.13%	0.00%	0.17%	0.10%	0.11%
Total Rate	2.11%	9.71%	1.25%	5.65%	4.97%	0.10%	2.29%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	N/A	7.50%	12.50%	11.50%	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	24.9 years	76	25.3 years	21.6 years	22.4 years	24.9 years	20.9 years
Number of active contributing members	3	99	2	3	12	2	1
Number of inactive members	4	21	8	7	45	9	10
Average age of contributing members	1	43.7 years	1	7	22	5	11
Average length of service of contributing members	55.9 years	14.6 years	52.4 years	37.8 years	44.6 years	41.1 years	42.6 years
	7.5 years		5.1 years	6.3 years	5.9 years	3.0 years	5.6 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$3,213,247	\$290,472	\$39,461,936	\$1,731,447	\$714,422	\$68,689	\$22,222,494
b. Noncontributing Members	486,323	9,016	10,089,888	262,863	322,800	85,471	3,380,120
c. Annuitants	1,299,921	263,891	33,774,189	1,209,478	1,548,581	370,975	2,397,175
2. Total Actuarial Acrued Liability	\$4,999,491	\$563,379	\$83,326,013	\$3,203,788	\$2,585,803	\$525,135	\$27,999,789
3. Actuarial value of assets	4,213,948	332,634	62,844,569	2,314,551	2,284,675	418,267	19,878,412
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$785,543	\$230,745	\$20,481,444	\$889,237	\$301,128	\$106,868	\$8,121,377
5. Funded Ratio: (3) / (2)	84.3%	59.0%	75.4%	72.2%	88.4%	79.6%	71.0%
6. Annual Payroll	\$1,219,879	\$462,595	\$15,353,882	\$615,639	\$452,018	\$96,219	\$9,694,346
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	9.18%	1.23%	11.73%	12.19%	10.35%	7.46%	9.32%
Prior Service	3.96%	3.11%	8.17%	8.78%	4.08%	6.98%	5.14%
Total Retirement	13.14%	4.34%	19.90%	20.97%	14.43%	14.44%	14.46%
Supplemental Death	0.27%	0.11%	0.16%	0.36%	0.43%	0.39%	0.14%
Total Rate	13.41%	4.45%	20.06%	21.33%	14.86%	14.83%	14.60%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	19.54%	19.99%	N/A	13.05%	13.85%
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	13.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	26.0 years	16	26.2 years	26.5 years	26.2 years	25.1 years	26.1 years
Number of active contributing members	35	3	139	17	13	3	29
Number of inactive members	14	4	273	18	14	3	197
Average age of contributing members	48.4 years	45.6 years	43.0 years	50.8 years	45.7 years	46.8 years	41.0 years
Average length of service of contributing members	15.5 years	8.0 years	11.5 years	12.0 years	10.3 years	4.8 years	11.3 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Haringen	Haringen Waterworks Sys	Hart	Haskell	Haslet	Hawkins	Hays
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$30,732,881	\$7,055,533	\$58,947	\$367,099	\$973,951	\$813,551	\$6,733
b. Noncontributing Members	7,626,955	2,273,192	26,866	115,785	343,770	19,626	0
c. Annuitants	32,924,549	8,599,195	58,548	626,262	22,107	201,361	104,522
2. Total Actuarial Acrued Liability	\$71,284,385	\$17,927,920	\$144,361	\$1,109,146	\$1,339,828	\$1,034,538	\$111,255
3. Actuarial value of assets	71,016,037	19,016,723	79,610	1,422,160	1,164,252	1,198,416	131,501
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$268,348	(\$1,088,803)	\$64,751	(\$313,014)	\$175,576	(\$163,878)	(\$20,246)
5. Funded Ratio: (3) / (2)	99.6%	106.1%	55.1%	128.2%	86.9%	115.8%	118.2%
6. Annual Payroll	\$12,622,856	\$5,273,230	\$127,726	\$506,534	\$694,883	\$378,227	\$21,921
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	7.76%	3.64%	1.63%	2.02%	4.99%	6.50%	10.83%
Prior Service	0.20%	-1.30%	3.56%	-2.02%	1.81%	-2.73%	-5.81%
Total Retirement	7.96%	2.34%	5.19%	0.00%	6.80%	3.77%	5.02%
Supplemental Death	0.23%	0.23%	0.00%	0.21%	0.08%	0.34%	0.60%
Total Rate	8.19%	2.57%	5.19%	0.21%	6.88%	4.11%	5.62%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	15.50%	9.50%	N/A	9.50%	15.50%	10.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	18.8 years	25.0 years	21.0 years	100.0 years	20.4 years	25.0 years	25.0 years
Number of active contributing members	265	85	2	9	1	9	2
Number of inactive members	305	132	4	15	17	11	1
Average age of contributing members	100	48	2	5	9	3	0
Average length of service of contributing members	13.7 years	44.9 years	41.1 years	46.4 years	40.0 years	48.0 years	62.1 years
		9.9 years	6.4 years	7.0 years	9.1 years	13.6 years	2.3 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$2,445,928	\$4,203,752	\$2,622	\$2,496,312	\$2,177,149	\$1,195,125	\$2,922,074
b. Noncontributing Members	992,154	944,034	97,070	407,428	302,593	151,993	375,777
c. Annuitants	2,199,781	865,720	24,054	\$66,467	451,170	252,458	4,460,383
2. Total Actuarial Acrued Liability	\$5,637,863	\$6,013,506	\$123,746	\$3,470,207	\$2,930,912	\$1,599,576	\$7,758,234
3. Actuarial value of assets	3,920,275	4,868,868	129,193	3,058,891	2,684,888	1,637,328	6,624,639
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,717,588	\$1,144,638	(\$5,447)	\$411,316	\$246,024	(\$37,752)	\$1,133,595
5. Funded Ratio: (3) / (2)	69.5%	81.0%	104.4%	88.1%	91.6%	102.4%	85.4%
6. Annual Payroll	\$2,016,297	\$2,712,207	\$50,682	\$1,750,113	\$2,525,508	\$949,319	\$2,257,599
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	8.55%	6.24%	0.87%	5.29%	2.86%	4.74%	5.80%
Prior Service	5.15%	2.97%	-0.68%	1.65%	0.66%	-0.25%	3.10%
Total Retirement	13.70%	9.21%	0.19%	6.94%	3.52%	4.49%	8.90%
Supplemental Death	0.17%	0.14%	0.29%	0.12%	0.11%	0.25%	0.16%
Total Rate	13.87%	9.35%	0.48%	7.15%	3.63%	4.74%	9.06%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	12.66%	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	13.50%	11.50%	N/A	12.50%	9.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	26.8 years	20.9 years	24.8 years	21.0 years	22.2 years	25.1 years	25.8 years
Number of active contributing members	22	8	1	5	7	4	20
Number of inactive members	55	38	2	28	57	24	56
Average age of contributing members	36	30	2	9	16	5	27
Average length of service of contributing members	40.9 years	43.7 years	30.3 years	48.3 years	39.7 years	49.8 years	43.3 years
	7.0 years	11.7 years	1.4 years	12.4 years	10.7 years	9.7 years	8.1 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Henderson	Henrietta	Hereford	Hewitt	Hickory Creek	Hico	Hidalgo
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$11,458,206	\$526,087	\$6,699,648	\$6,812,076	\$1,020,572	\$240,668	\$8,508,173
a. Contributing Members	1,673,815	348,139	2,074,023	1,084,052	202,918	297,603	844,132
b. Noncontributing Members	8,713,041	1,045,956	5,986,732	3,639,276	132,507	134,784	956,227
c. Annuitants	\$21,845,062	\$1,920,182	\$14,760,403	\$11,535,404	\$1,355,997	\$673,055	\$10,308,532
2. Total Actuarial Acrued Liability	16,992,515	1,389,512	12,428,677	8,728,777	1,286,992	700,914	8,788,536
3. Actuarial value of assets	\$4,852,547	\$530,670	\$2,331,726	\$2,806,627	\$69,005	\$151,996	\$1,519,996
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	77.8%	72.4%	84.2%	75.7%	94.9%	104.1%	85.3%
5. Funded Ratio: (3) / (2)	\$5,282,159	\$585,668	\$4,100,326	\$3,308,257	\$1,064,397	\$294,550	\$5,012,711
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	9.91%	9.82%	7.75%	9.43%	5.60%	6.74%	9.89%
Prior Service	5.64%	5.55%	3.48%	5.20%	0.38%	-0.60%	1.84%
Total Retirement	15.55%	15.37%	11.23%	14.63%	5.98%	6.14%	11.73%
Supplemental Death	0.17%	0.19%	0.18%	0.12%	0.11%	0.42%	0.00%
Total Rate	15.72%	15.56%	11.41%	14.75%	6.09%	6.56%	11.73%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	14.76%	N/A	11.26%	13.87%	N/A	N/A	10.86%
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	11.50%	13.50%	11.50%	11.50%	13.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.1 years	26.2 years	26.2 years	26.2 years	28.3 years	24.7 years	26.6 years
Number of annuitants	54	9	35	18	4	4	12
Number of active contributing members	118	17	91	78	21	8	134
Number of inactive members	53	16	33	48	16	8	71
Average age of contributing members	38.9 years	47.4 years	41.5 years	39.2 years	39.4 years	52.0 years	43.2 years
Average length of service of contributing members	9.3 years	7.4 years	9.6 years	9.1 years	7.7 years	6.5 years	7.8 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$154,804	\$31,097,969	\$14,768,767	\$673,134	\$7,403,153	\$1,364,160	\$199,413
a. Contributing Members	0	3,887,449	3,590,929	348,862	1,894,813	469,478	154,633
b. Noncontributing Members	71,859	21,116,540	3,611,914	171,462	3,729,474	503,923	23,830
c. Annuitants	\$226,663	\$56,101,958	\$21,971,610	\$1,193,458	\$13,027,440	\$2,337,561	\$377,876
2. Total Actuarial Acrued Liability	231,791	59,437,144	18,279,138	1,176,169	10,103,860	2,579,686	319,043
3. Actuarial value of assets	(\$5,128)	(\$3,335,186)	\$3,692,472	\$17,289	\$2,923,580	(\$242,125)	\$58,833
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	102.3%	105.9%	83.2%	98.6%	110.4%	110.4%	84.4%
5. Funded Ratio: (3) / (2)	\$64,571	\$10,451,355	\$8,017,179	\$655,511	\$4,276,629	\$1,458,170	\$172,500
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	8.03%	7.72%	9.45%	2.48%	7.99%	1.83%	3.83%
Prior Service	-0.50%	-2.01%	2.82%	0.20%	4.19%	-1.05%	2.38%
Total Retirement	7.53%	5.71%	12.27%	2.68%	12.18%	0.78%	6.21%
Supplemental Death	0.29%	0.00%	0.14%	0.13%	0.00%	0.13%	0.29%
Total Rate	7.82%	5.71%	12.41%	2.81%	12.18%	0.91%	6.50%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	11.86%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	13.50%	11.50%	N/A	7.50%	10.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.0 years	25.0 years	26.2 years	18.7 years	26.2 years	24.8 years	21.2 years
Number of annuitants	1	80	35	3	43	7	1
Number of active contributing members	2	121	136	14	109	44	4
Number of inactive members	0	32	81	12	59	39	6
Average age of contributing members	57.0 years	45.7 years	41.8 years	42.2 years	42.4 years	44.1 years	52.8 years
Average length of service of contributing members	19.2 years	15.8 years	9.4 years	12.6 years	9.5 years	9.3 years	17.5 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Holliday	Hollywood Park	Honda	Honey Grove	Hooks	Howe	Hubbard				
SUMMARY OF ACTUARIAL INFORMATION 1. Actuarial Accrued Liability a. Contributing Members b. Noncontributing Members c. Annuitants 2. Total Actuarial Accrued Liability 3. Actuarial value of assets 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) 5. Funded Ratio: (3) / (2) 6. Annual Payroll	\$206,466 73,041 0 \$279,507 343,836 (\$64,329) 123,00%	\$1,877,439 537,190 1,028,257 \$3,442,886 2,909,305 \$533,581 84.5% \$1,438,928	\$4,272,750 1,241,844 5,405,108 \$10,919,702 9,331,044 \$1,588,658 85.5% \$3,429,866	\$673,891 103,324 160,559 \$937,774 827,507 \$110,267 88.2% \$372,477	\$252,878 170,724 235,028 \$658,630 707,675 (\$29,045) 107.4% \$502,954	\$775,468 345,876 230,637 \$1,351,981 1,377,337 (\$25,356) 101.9% \$483,571	\$192,970 46,889 8,956 \$248,815 259,203 (\$10,388) 104.2% \$374,834				
	CITY CONTRIBUTION RATES FOR 2013 Retirement Normal Cost Prior Service Total Retirement Supplemental Death Total Rate Phase-In Rate (Minimum Contribution), Incl. Supplemental Death Statutory Maximum Rate (Total Retirement Only)	1.99% -1.18% 0.81% 0.00% 0.81% N/A 9.50%	6.02% 2.28% 8.30% 0.15% 8.45% N/A 10.50%	6.78% 2.85% 9.63% 0.18% 9.81% N/A 11.50%	6.89% 1.82% 8.71% 0.20% 8.91% 8.37% 9.50%	1.39% -0.61% 0.78% 0.25% 1.03% N/A 7.50%	7.60% -0.33% 7.27% 0.28% 7.55% N/A 11.50%	0.94% -0.17% 0.77% 0.16% 0.93% N/A N/A			
		ADDITIONAL INFORMATION GASB 25 Equivalent Single Amortization Period as of 1/2013 Number of annuitants Number of active contributing members Number of inactive members Average age of contributing members Average length of service of contributing members	25.1 years 0 10 8 40.6 years 7.1 years	26.0 years 11 32 17 40.7 years 9.0 years	26.0 years 38 105 53 43.0 years 7.6 years	26.0 years 3 10 7 44.6 years 10.9 years	25.3 years 4 14 6 42.9 years 7.1 years	25.0 years 7 10 18 49.3 years 11.5 years	26.1 years 2 11 5 43.5 years 8.5 years		
			SUMMARY OF ACTUARIAL INFORMATION 1. Actuarial Accrued Liability a. Contributing Members b. Noncontributing Members c. Annuitants 2. Total Actuarial Accrued Liability 3. Actuarial value of assets 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) 5. Funded Ratio: (3) / (2) 6. Annual Payroll	\$337,774 11,898 0 \$349,672 360,976 (\$11,304) 103.2% \$647,985	\$1,437,713 400,345 135,799 \$1,973,857 1,377,034 \$596,823 69.8% \$1,179,128	\$2,127,535 128,403 303,054 \$2,558,992 2,539,595 \$19,397 99.2% \$562,345	\$30,195,604 2,314,204 14,994,602 \$47,504,410 40,745,169 \$6,759,241 85.8% \$11,672,876	\$510,306 13,352 480,054 \$1,003,712 630,175 \$373,537 62.8% \$409,574	\$1,624,339 201,209 809,577 \$2,635,125 1,942,462 \$692,663 73.7% \$686,776	\$24,181,236 6,673,103 24,054,522 \$54,908,861 48,054,476 \$6,854,385 87.5% \$12,708,555	
				CITY CONTRIBUTION RATES FOR 2013 Retirement Normal Cost Prior Service Total Retirement Supplemental Death Total Rate Phase-In Rate (Minimum Contribution), Incl. Supplemental Death Statutory Maximum Rate (Total Retirement Only)	2.51% -0.11% 2.40% 0.15% 2.55% N/A N/A	7.55% 3.24% 10.79% 0.08% 10.87% N/A 13.50%	15.68% 0.20% 15.88% 0.16% 16.04% 15.63% N/A	11.17% 3.56% 14.73% 0.15% 14.88% 14.38% N/A	3.61% 6.39% 10.00% 0.35% 10.35% 13.50% N/A	12.43% 6.17% 18.60% 0.19% 18.79% 18.65% N/A	6.80% 3.49% 10.29% 0.16% 10.45% N/A N/A
					ADDITIONAL INFORMATION GASB 25 Equivalent Single Amortization Period as of 1/2013 Number of annuitants Number of active contributing members Number of inactive members Average age of contributing members Average length of service of contributing members	24.9 years 0 18 6 41.0 years 5.7 years	24.3 years 6 23 18 38.2 years 6.7 years	28.8 years 3 14 1 46.9 years 13.4 years	26.0 years 68 187 34 42.6 years 12.0 years	21.1 years 6 8 2 49.5 years 13.1 years	26.2 years 8 18 10 40.6 years 9.7 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Hutchins	Hutto	Huxley	Idolou	Ingleside	Ingram
SUMMARY OF ACTUARIAL INFORMATION						
1. Actuarial Accrued Liability						
a. Contributing Members	\$57,255,141	\$5,488,447	\$170,515	\$143,236	\$3,399,444	\$344,110
b. Noncontributing Members	9,199,251	846,630	92,640	23,720	712,514	114,664
c. Annuitants	48,511,174	803,649	362,233	0	2,623,796	84,545
2. Total Actuarial Accrued Liability	\$114,965,566	\$7,138,726	\$626,388	\$166,956	\$6,735,754	\$543,319
3. Actuarial value of assets	110,246,816	4,927,921	719,879	151,189	5,524,284	454,382
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$4,718,750	\$2,210,805	\$(93,491)	\$15,767	\$1,211,470	\$88,937
5. Funded Ratio: (3) / (2)	95.9%	69.0%	114.9%	90.6%	82.0%	83.6%
6. Annual Payroll	\$21,503,761	\$4,690,884	\$312,923	\$540,240	\$2,465,968	\$393,401
CITY CONTRIBUTION RATES FOR 2013						
Retirement						
Normal Cost	9.41%	7.50%	0.87%	2.35%	6.37%	3.43%
Prior Service	1.53%	3.29%	-0.87%	0.21%	3.03%	1.56%
Total Retirement	10.94%	10.79%	0.00%	2.56%	9.40%	4.99%
Supplemental Death	0.00%	0.10%	0.19%	0.07%	0.21%	0.00%
Total Rate	10.94%	10.89%	0.19%	2.63%	9.61%	4.99%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	9.17%	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	7.50%	N/A	11.50%	9.50%
ADDITIONAL INFORMATION						
GASB 25 Equivalent Single Amortization Period as of 1/2013	21.2 years	21.2 years	100.0 years	20.2 years	25.9 years	21.6 years
Number of annuitants	191	9	6	0	28	3
Number of active contributing members	331	80	9	14	70	12
Number of inactive members	137	41	8	10	37	7
Average age of contributing members	42.0 years	39.3 years	40.9 years	38.5 years	45.5 years	50.2 years
Average length of service of contributing members	12.8 years	7.3 years	8.6 years	3.3 years	8.7 years	9.6 years
SUMMARY OF ACTUARIAL INFORMATION						
1. Actuarial Accrued Liability						
a. Contributing Members	\$4,215,434	\$251,353,223	\$88,888	\$751,841	\$3,511,709	\$1,530,602
b. Noncontributing Members	708,288	43,176,687	158,382	68,760	745,989	693,107
c. Annuitants	635,895	195,703,533	125,714	398,427	2,243,264	2,830,307
2. Total Actuarial Accrued Liability	\$5,559,617	\$490,233,443	\$372,984	\$1,219,028	\$6,500,962	\$5,054,016
3. Actuarial value of assets	4,341,728	485,288,159	232,905	1,148,590	5,264,444	3,910,061
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,217,889	\$4,945,284	\$140,079	\$70,438	\$1,236,518	\$1,143,955
5. Funded Ratio: (3) / (2)	78.1%	99.0%	62.4%	94.2%	81.0%	77.4%
6. Annual Payroll	\$1,555,271	\$88,595,416	\$565,474	\$614,911	\$2,568,019	\$1,362,200
CITY CONTRIBUTION RATES FOR 2013						
Retirement						
Normal Cost	11.03%	10.11%	0.44%	9.47%	6.22%	7.87%
Prior Service	4.82%	0.34%	1.77%	0.74%	2.96%	5.15%
Total Retirement	15.85%	10.45%	2.21%	10.21%	9.18%	13.02%
Supplemental Death	0.22%	0.16%	0.13%	0.23%	0.18%	0.16%
Total Rate	16.07%	10.61%	2.34%	10.44%	9.43%	13.18%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	14.94%	N/A	N/A	N/A	8.81%	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	13.50%	9.50%	13.50%
ADDITIONAL INFORMATION						
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.0 years	26.4 years	20.4 years	24.0 years	26.0 years	26.1 years
Number of annuitants	14	701	4	4	19	15
Number of active contributing members	44	1,338	18	19	56	33
Number of inactive members	31	411	14	32	32	38
Average age of contributing members	45.8 years	43.7 years	38.2 years	45.0 years	44.0 years	43.1 years
Average length of service of contributing members	11.7 years	13.7 years	4.1 years	5.6 years	8.6 years	6.8 years
SUMMARY OF ACTUARIAL INFORMATION						
1. Actuarial Accrued Liability						
a. Contributing Members						
b. Noncontributing Members						
c. Annuitants						
2. Total Actuarial Accrued Liability						
3. Actuarial value of assets						
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)						
5. Funded Ratio: (3) / (2)						
6. Annual Payroll						
CITY CONTRIBUTION RATES FOR 2013						
Retirement						
Normal Cost						
Prior Service						
Total Retirement						
Supplemental Death						
Total Rate						
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death						
Statutory Maximum Rate (Total Retirement Only)						
ADDITIONAL INFORMATION						
GASB 25 Equivalent Single Amortization Period as of 1/2013						
Number of annuitants						
Number of active contributing members						
Number of inactive members						
Average age of contributing members						
Average length of service of contributing members						

Actuarial Valuation of Participating Municipalities

CONTINUED

	Jacksonville	Jasper	Jefferson	Jersey Village	Jewett	Joaquin	Johnson City
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$10,288,662	\$6,622,854	\$845,965	\$9,517,225	\$707,923	\$54,130	\$973,716
a. Contributing Members	1,532,621	837,963	123,376	2,169,876	31,701	4,186	13,129
b. Noncontributing Members	9,013,734	11,709,682	531,028	4,545,482	7,188	138,709	149,980
c. Annuitants	\$20,835,017	\$19,170,499	\$1,500,369	\$16,232,583	\$746,812	\$197,025	\$1,136,825
2. Total Actuarial Acrued Liability	17,922,419	17,998,032	1,144,280	12,021,178	597,193	155,943	897,730
3. Actuarial value of assets	\$2,912,598	\$1,172,467	\$356,089	\$4,211,405	\$149,619	\$41,082	\$239,095
4. Funded/(overfunded) actuarial accrued liability: (2) - (3)	86.0%	93.9%	76.3%	74.1%	80.0%	79.1%	79.0%
5. Funded Ratio: (3) / (2)	\$5,316,617	\$4,524,231	\$737,259	\$4,760,960	\$372,950	\$202,358	\$592,260
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	7.99%	6.10%	2.89%	8.81%	6.15%	0.61%	6.89%
Prior Service	3.36%	2.17%	2.99%	5.43%	2.49%	1.40%	2.43%
Total Retirement	11.35%	8.27%	5.88%	14.24%	8.64%	2.01%	9.32%
Supplemental Death	0.17%	0.19%	0.22%	0.16%	0.20%	0.25%	0.15%
Total Rate	11.52%	8.46%	6.10%	14.40%	8.84%	2.26%	9.47%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	8.55%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	15.50%	N/A	N/A	9.50%	N/A	10.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.1 years	16.3 years	25.7 years	26.1 years	25.6 years	21.6 years	27.0 years
Number of annuitants	78	70	7	22	1	2	4
Number of active contributing members	130	111	22	97	9	6	14
Number of inactive members	46	52	13	44	8	2	4
Average age of contributing members	41.0 years	42.7 years	45.8 years	45.2 years	47.9 years	52.2 years	45.0 years
Average length of service of contributing members	10.2 years	9.1 years	9.6 years	10.9 years	9.9 years	7.0 years	10.4 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$173,640	\$641,303	\$152,713	\$1,042,341	\$738,656	\$1,896,502	\$700,251
a. Contributing Members	0	19,954	5,827	451,527	211,776	9,982	247,002
b. Noncontributing Members	92,285	148,428	0	64,269	715,807	1,076,038	129,225
c. Annuitants	\$265,925	\$809,685	\$158,540	\$1,558,137	\$1,666,239	\$3,064,522	\$1,076,478
2. Total Actuarial Acrued Liability	228,665	605,184	125,292	1,608,545	1,501,516	2,427,359	1,006,751
3. Actuarial value of assets	\$37,260	\$204,501	\$33,248	(\$50,408)	\$164,723	\$637,163	\$69,727
4. Funded/(overfunded) actuarial accrued liability: (2) - (3)	86.0%	74.7%	79.0%	103.2%	90.1%	79.2%	93.5%
5. Funded Ratio: (3) / (2)	\$194,711	\$1,199,667	\$170,250	\$1,287,399	\$944,963	\$677,266	\$1,108,894
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	4.77%	3.45%	3.68%	3.21%	4.64%	9.88%	2.00%
Prior Service	1.33%	1.18%	1.36%	-0.25%	1.07%	5.74%	0.45%
Total Retirement	6.10%	4.63%	5.04%	2.96%	5.71%	15.62%	2.45%
Supplemental Death	0.33%	0.24%	0.09%	0.09%	0.23%	0.22%	0.00%
Total Rate	6.43%	4.87%	5.13%	3.05%	5.94%	15.84%	2.45%
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	13.50%	9.50%	N/A	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	21.3 years	21.5 years	21.3 years	24.4 years	26.1 years	26.4 years	20.4 years
Number of annuitants	2	3	0	4	10	12	3
Number of active contributing members	5	26	4	33	30	21	24
Number of inactive members	0	7	4	20	17	8	14
Average age of contributing members	57.1 years	48.2 years	44.6 years	40.2 years	44.9 years	47.9 years	42.1 years
Average length of service of contributing members	9.4 years	5.8 years	10.3 years	6.2 years	6.5 years	13.2 years	7.4 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Karnes City	Katy	Kaufman	Keeene	Keller	Kemah	Kemp
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$471,544	\$20,471,989	\$6,172,635	\$4,332,354	\$42,384,324	\$1,953,030	\$109,439
a. Contributing Members	367,381	1,134,252	648,446	751,290	8,439,842	383,095	167,847
b. Noncontributing Members	889,424	6,971,052	2,302,136	1,215,404	10,158,991	260,140	205,642
c. Annuitants	\$1,728,349	\$28,577,293	\$9,123,217	\$6,299,048	\$60,983,157	\$2,596,265	\$482,928
2. Total Actuarial Acrued Liability	1,439,983	23,816,288	7,059,666	4,590,488	46,070,166	2,628,131	684,275
3. Actuarial value of assets	\$288,366	\$4,761,005	\$2,063,551	\$1,708,560	\$14,912,991	(\$151,347)	(\$151,347)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	83.3%	83.3%	77.4%	72.9%	75.9%	101.2%	131.3%
5. Funded Ratio: (3) / (2)	\$672,613	\$7,259,602	\$2,587,475	\$2,086,670	\$18,073,774	\$1,868,330	\$483,264
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.93%	12.61%	9.97%	9.84%	9.97%	2.82%	1.24%
Prior Service	2.63%	4.01%	4.88%	5.02%	5.06%	-0.11%	-1.24%
Total Retirement	5.56%	16.62%	14.85%	14.86%	15.03%	2.71%	0.00%
Supplemental Death	0.22%	0.23%	0.20%	0.14%	0.13%	0.11%	0.00%
Total Rate	5.78%	16.85%	15.05%	15.00%	15.16%	2.82%	0.00%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	16.23%	15.04%	14.16%	N/A	N/A	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 1/2013	26.1 years	26.3 years	26.2 years	26.1 years	26.1 years	24.0 years	98.4 years
Number of annuitants	9	32	23	12	66	6	5
Number of active contributing members	22	130	59	48	299	35	15
Number of inactive members	9	28	33	28	132	21	17
Average age of contributing members	42.3 years	45.1 years	44.3 years	43.2 years	41.9 years	39.8 years	40.6 years
Average length of service of contributing members	7.3 years	12.2 years	11.7 years	9.2 years	11.2 years	10.3 years	3.4 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$435,741	\$5,042,452	\$3,677,729	\$26,748,281	\$8,063,418	\$15,444,382	\$69,836,317
a. Contributing Members	562,620	2,549,496	1,076,406	5,154,625	3,413,524	1,617,855	7,711,274
b. Noncontributing Members	397,053	2,054,226	3,301,176	21,936,013	6,175,892	16,379,878	43,267,858
c. Annuitants	\$1,395,414	\$9,646,174	\$8,055,311	\$53,838,919	\$17,652,834	\$33,442,115	\$120,815,449
2. Total Actuarial Acrued Liability	1,223,282	7,065,871	5,825,441	\$1,308,746	16,353,554	26,880,042	110,610,374
3. Actuarial value of assets	\$172,132	\$2,580,303	\$2,229,870	\$2,530,173	\$1,299,280	\$6,562,073	\$10,205,075
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	87.7%	73.3%	72.3%	95.3%	92.6%	80.4%	91.6%
5. Funded Ratio: (3) / (2)	\$645,228	\$3,787,141	\$1,374,325	\$14,392,553	\$3,321,122	\$6,862,141	\$42,215,094
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.41%	6.98%	11.37%	7.57%	8.93%	10.64%	5.16%
Prior Service	1.65%	4.79%	9.97%	1.10%	2.39%	5.90%	1.99%
Total Retirement	4.06%	11.77%	21.34%	8.67%	11.32%	16.54%	7.15%
Supplemental Death	0.17%	0.13%	0.28%	0.17%	0.19%	0.21%	0.15%
Total Rate	4.23%	11.90%	21.62%	8.84%	11.51%	16.75%	7.30%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	21.07%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	13.50%	N/A	15.50%	N/A	N/A	13.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.8 years	21.0 years	26.0 years	25.3 years	26.3 years	25.9 years	16.6 years
Number of annuitants	6	20	28	170	26	99	319
Number of active contributing members	19	76	38	300	57	161	963
Number of inactive members	14	82	27	139	24	49	302
Average age of contributing members	45.5 years	40.6 years	43.3 years	42.8 years	44.5 years	42.5 years	41.4 years
Average length of service of contributing members	9.4 years	9.3 years	10.2 years	9.9 years	12.8 years	9.7 years	10.4 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$471,544	\$20,471,989	\$6,172,635	\$4,332,354	\$42,384,324	\$1,953,030	\$109,439
a. Contributing Members	367,381	1,134,252	648,446	751,290	8,439,842	383,095	167,847
b. Noncontributing Members	889,424	6,971,052	2,302,136	1,215,404	10,158,991	260,140	205,642
c. Annuitants	\$1,728,349	\$28,577,293	\$9,123,217	\$6,299,048	\$60,983,157	\$2,596,265	\$482,928
2. Total Actuarial Acrued Liability	1,439,983	23,816,288	7,059,666	4,590,488	46,070,166	2,628,131	684,275
3. Actuarial value of assets	\$288,366	\$4,761,005	\$2,063,551	\$1,708,560	\$14,912,991	(\$151,347)	(\$151,347)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	83.3%	83.3%	77.4%	72.9%	75.9%	101.2%	131.3%
5. Funded Ratio: (3) / (2)	\$672,613	\$7,259,602	\$2,587,475	\$2,086,670	\$18,073,774	\$1,868,330	\$483,264
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.93%	12.61%	9.97%	9.84%	9.97%	2.82%	1.24%
Prior Service	2.63%	4.01%	4.88%	5.02%	5.06%	-0.11%	-1.24%
Total Retirement	5.56%	16.62%	14.85%	14.86%	15.03%	2.71%	0.00%
Supplemental Death	0.22%	0.23%	0.20%	0.14%	0.13%	0.11%	0.00%
Total Rate	5.78%	16.85%	15.05%	15.00%	15.16%	2.82%	0.00%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	16.23%	15.04%	14.16%	N/A	N/A	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 1/2013	26.1 years	26.3 years	26.2 years	26.1 years	26.1 years	24.0 years	98.4 years
Number of annuitants	9	32	23	12	66	6	5
Number of active contributing members	22	130	59	48	299	35	15
Number of inactive members	9	28	33	28	132	21	17
Average age of contributing members	42.3 years	45.1 years	44.3 years	43.2 years	41.9 years	39.8 years	40.6 years
Average length of service of contributing members	7.3 years	12.2 years	11.7 years	9.2 years	11.2 years	10.3 years	3.4 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$435,741	\$5,042,452	\$3,677,729	\$26,748,281	\$8,063,418	\$15,444,382	\$69,836,317
a. Contributing Members	562,620	2,549,496	1,076,406	5,154,625	3,413,524	1,617,855	7,711,274
b. Noncontributing Members	397,053	2,054,226	3,301,176	21,936,013	6,175,892	16,379,878	43,267,858
c. Annuitants	\$1,395,414	\$9,646,174	\$8,055,311	\$53,838,919	\$17,652,834	\$33,442,115	\$120,815,449
2. Total Actuarial Acrued Liability	1,223,282	7,065,871	5,825,441	\$1,308,746	16,353,554	26,880,042	110,610,374
3. Actuarial value of assets	\$172,132	\$2,580,303	\$2,229,870	\$2,530,173	\$1,299,280	\$6,562,073	\$10,205,075
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	87.7%	73.3%	72.3%	95.3%	92.6%	80.4%	91.6%
5. Funded Ratio: (3) / (2)	\$645,228	\$3,787,141	\$1,374,325	\$14,392,553	\$3,321,122	\$6,862,141	\$42,215,094
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.41%	6.98%	11.37%	7.57%	8.93%	10.64%	5.16%
Prior Service	1.65%	4.79%	9.97%	1.10%	2.39%	5.90%	1.99%
Total Retirement	4.06%	11.77%	21.34%	8.67%	11.32%	16.54%	7.15%
Supplemental Death	0.17%	0.13%	0.28%	0.17%	0.19%	0.21%	0.15%
Total Rate	4.23%	11.90%	21.62%	8.84%	11.51%	16.75%	7.30%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	21.07%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	13.50%	N/A	15.50%	N/A	N/A	13.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.8 years	21.0 years	26.0 years	25.3 years	26.3 years	25.9 years	16.6 years
Number of annuitants	6	20	28	170	26	99	319
Number of active contributing members	19	76	38	300	57	161	963
Number of inactive members	14	82	27	139	24	49	302
Average age of contributing members	45.5 years	40.6 years	43.3 years	42.8 years	44.5 years	42.5 years	41.4 years
Average length of service of contributing members	9.4 years	9.3 years	10.2 years	9.9 years	12.8 years	9.7 years	10.4 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Kingsville	Kirby	Kirbyville	Knox City	Kountze	Kress	Krugerville
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$2,415,668	\$367,445	\$62,102	\$240,695	\$160,862	\$79,406	
b. Noncontributing Members	1,582,494	191,643	185,657	122,616	2,641	6,182	
c. Annuitants	1,178,404	991,537	112,064	11,381	11,983	0	
2. Total Actuarial Acrued Liability	\$5,176,566	\$1,550,625	\$359,823	\$374,692	\$275,486	\$85,588	
3. Actuarial value of assets	4,011,324	1,277,023	460,805	409,803	254,086	60,234	
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	\$1,165,242	\$273,602	(\$100,982)	(\$35,111)	\$21,400	\$25,354	
5. Funded Ratio: (3) / (2)	90.2%	82.4%	128.1%	109.4%	92.2%	70.4%	
6. Annual Payroll	\$9,350,884	\$1,746,196	\$700,157	\$255,765	\$778,306	\$38,650	\$206,289
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	8.30%	8.17%	2.31%	2.60%	0.71%	8.54%	0.00%
Prior Service	2.89%	4.11%	2.39%	-2.49%	-0.28%	4.50%	0.85%
Total Retirement	11.19%	12.28%	4.70%	0.11%	0.43%	13.04%	0.85%
Supplemental Death	0.00%	0.11%	0.29%	0.24%	0.09%	0.00%	0.11%
Total Rate	11.19%	12.39%	4.99%	0.35%	0.52%	13.04%	0.96%
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	13.50%	7.50%	9.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.0 years	25.9 years	26.2 years	24.9 years	25.6 years	16.9 years	21.5 years
Number of annuitants	119	16	15	3	1	4	0
Number of active contributing members	248	50	22	9	23	1	4
Number of inactive members	111	61	25	9	26	1	2
Average age of contributing members	42.0 years	37.4 years	45.3 years	44.7 years	40.0 years	59.2 years	41.6 years
Average length of service of contributing members	10.8 years	7.2 years	7.3 years	3.2 years	4.7 years	20.7 years	9.5 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$427,034	\$6,619,693	\$146,104	\$3,151,071	\$5,757,884	\$273,438	\$788,799
b. Noncontributing Members	316,595	620,862	41,879	482,424	1,226,429	68,387	65,983
c. Annuitants	30,638	1,413,167	1,038	789,016	3,001,189	103,666	0
2. Total Actuarial Acrued Liability	\$774,267	\$8,653,722	\$189,021	\$4,422,511	\$9,985,502	\$445,491	\$854,782
3. Actuarial value of assets	791,209	6,834,887	210,086	3,032,875	8,369,144	482,851	155,313
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	(\$16,942)	\$1,818,835	(\$21,065)	\$1,389,636	\$1,616,358	(\$37,360)	\$699,469
5. Funded Ratio: (3) / (2)	102.2%	79.0%	111.1%	68.6%	83.8%	108.4%	18.2%
6. Annual Payroll	\$1,027,946	\$6,494,785	\$227,784	\$1,886,492	\$2,342,798	\$489,134	\$1,269,716
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.25%	6.72%	1.48%	5.29%	10.48%	4.58%	1.25%
Prior Service	-0.10%	1.97%	-0.58%	4.15%	-0.48%	-0.48%	3.59%
Total Retirement	2.15%	8.69%	0.90%	9.81%	14.63%	4.10%	4.84%
Supplemental Death	0.12%	0.11%	0.00%	0.20%	0.24%	0.22%	0.18%
Total Rate	2.27%	8.80%	0.90%	10.01%	14.87%	4.32%	5.02%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	13.50%	7.50%	N/A	N/A	11.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.6 years	20.9 years	25.2 years	26.1 years	27.0 years	25.1 years	23.6 years
Number of annuitants	2	11	1	18	29	3	0
Number of active contributing members	28	140	8	56	60	24	45
Number of inactive members	15	44	2	50	20	7	12
Average age of contributing members	41.5 years	41.0 years	52.0 years	42.3 years	46.4 years	43.8 years	42.4 years
Average length of service of contributing members	7.1 years	6.1 years	9.7 years	8.1 years	11.1 years	5.1 years	7.0 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	La Marque	La Porte	La Vernia	Lacy-Lakeview	Ladonia	Lago Vista	Laguna Vista
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$5,506,145	\$61,985,227	\$97,770	\$2,192,267	\$21,117	\$3,727,890	\$290,085
b. Noncontributing Members	3,776,615	5,924,179	65,068	440,993	7,022	733,171	61,947
c. Annuitants	8,957,025	44,818,589	113,264	2,105,738	48,330	1,244,633	0
2. Total Actuarial Acrued Liability	\$18,239,785	\$112,727,995	\$276,102	\$4,738,998	\$76,469	\$5,705,694	\$352,032
3. Actuarial value of assets	15,722,358	94,972,036	135,551	3,546,876	102,423	5,399,866	361,181
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,517,427	\$17,755,959	\$140,551	\$1,192,122	(\$25,954)	\$305,828	(\$9,149)
5. Funded Ratio: (3) / (2)	86.2%	84.2%	49.1%	74.8%	133.9%	94.6%	102.6%
6. Annual Payroll	\$5,798,096	\$20,331,614	\$438,491	\$1,545,810	\$71,522	\$3,228,676	\$498,471
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	6.67%	11.71%	0.57%	7.61%	5.75%	5.93%	2.23%
Prior Service	2.67%	5.36%	2.26%	4.72%	-2.83%	0.67%	-0.12%
Total Retirement	9.34%	17.07%	2.83%	12.33%	2.92%	6.60%	2.11%
Supplemental Death	0.16%	0.15%	0.12%	0.16%	0.18%	0.18%	0.11%
Total Rate	9.50%	17.22%	2.95%	12.49%	3.10%	6.78%	2.22%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	9.47%	17.02%	N/A	11.78%	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	13.50%	N/A	12.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	26.0 years	26.1 years	20.9 years	26.2 years	18.0 years	20.8 years	23.5 years
Number of active contributing members	62	141	2	17	2	19	0
Number of inactive members	126	377	14	45	4	82	13
Average age of contributing members	76	124	1	23	2	30	8
Average length of service of contributing members	41.6 years	43.2 years	43.0 years	38.3 years	47.8 years	44.3 years	41.0 years
	7.0 years	12.0 years	4.0 years	7.0 years	2.0 years	7.1 years	6.1 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$3,890,632	\$26,835,830	\$6,848,341	\$82,319	\$318,974	\$82,356	\$6,389,109
b. Noncontributing Members	1,071,920	2,675,604	1,024,324	0	27,427	0	1,079,124
c. Annuitants	1,025,572	15,510,658	3,981,842	25,871	192,252	16,536	3,028,038
2. Total Actuarial Acrued Liability	\$5,988,124	\$45,022,092	\$11,854,507	\$108,190	\$538,653	\$98,892	\$10,496,271
3. Actuarial value of assets	5,029,750	39,974,294	9,172,312	167,523	537,591	92,902	7,790,601
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$958,374	\$5,047,798	\$2,682,195	(\$59,333)	\$1,062	\$5,990	\$2,705,670
5. Funded Ratio: (3) / (2)	84.0%	88.8%	77.4%	154.8%	99.8%	93.9%	74.2%
6. Annual Payroll	\$1,980,472	\$9,768,789	\$4,439,175	\$155,599	\$453,796	\$148,831	\$4,476,743
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	10.25%	10.66%	7.85%	2.23%	3.11%	0.55%	8.70%
Prior Service	2.95%	3.18%	3.69%	-2.23%	0.02%	0.26%	3.70%
Total Retirement	13.20%	13.84%	11.54%	0.00%	3.13%	0.81%	12.40%
Supplemental Death	0.24%	0.20%	0.15%	0.11%	0.17%	0.15%	0.16%
Total Rate	13.44%	14.04%	11.69%	0.11%	3.30%	0.96%	12.56%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	12.67%	13.71%	11.31%	N/A	N/A	N/A	12.33%
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	12.50%	N/A	11.50%	N/A	13.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	26.4 years	26.0 years	26.3 years	28.4 years	15.8 years	23.9 years	26.2 years
Number of active contributing members	19	98	29	1	3	1	30
Number of inactive members	36	217	97	5	11	4	89
Average age of contributing members	36	90	43	43.4 years	40.1 years	48.2 years	44.0 years
Average length of service of contributing members	45.5 years	42.2 years	41.5 years	6.4 years	7.9 years	10.0 years	7.9 years
	8.5 years	11.4 years	9.4 years				

Actuarial Valuation of Participating Municipalities

CONTINUED

	Lamesa	Lampasas	Lancaster	Laredo	Lavon	League City	Leander
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$4,433,277	\$9,127,511	\$23,984,908	\$261,893,033	\$400,237	\$53,648,686	\$10,722,688
a. Contributing Members	1,115,946	1,872,918	10,849,037	15,837,687	67,688	9,898,161	1,371,185
b. Noncontributing Members	6,875,254	4,375,451	22,521,831	112,630,696	0	22,999,067	3,528,876
c. Annuitants	\$12,424,477	\$15,375,880	\$57,355,776	\$390,361,416	\$467,925	\$86,545,914	\$15,622,749
2. Total Actuarial Accrued Liability	13,137,453	12,059,158	46,173,703	255,089,909	452,161	67,192,944	10,253,804
3. Actuarial value of assets	(\$712,976)	\$3,316,722	\$11,182,073	\$135,271,507	\$15,764	\$19,352,970	\$3,368,945
4. Funded/(overfunded) actuarial accrued liability: (2) - (3)	105.7%	78.4%	80.5%	65.3%	96.6%	77.6%	65.6%
5. Funded Ratio: (3) / (2)	\$2,824,220	\$4,224,887	\$12,843,171	\$90,134,109	\$751,887	\$25,838,123	\$9,149,425
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	5.91%	10.81%	8.81%	12.65%	2.71%	10.34%	8.55%
Prior Service	-1.59%	4.80%	5.36%	9.21%	0.15%	4.59%	3.57%
Total Retirement	4.32%	15.61%	14.17%	21.86%	2.86%	14.93%	12.12%
Supplemental Death	0.00%	0.19%	0.14%	0.17%	0.12%	0.15%	0.13%
Total Rate	4.32%	15.80%	14.31%	22.03%	2.98%	15.08%	12.25%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	15.21%	N/A	20.06%	N/A	13.96%	11.58%
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	N/A	N/A	N/A	13.50%	13.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.0 years	26.3 years	26.0 years	26.1 years	20.4 years	26.2 years	26.5 years
Number of annuitants	42	46	125	663	0	119	25
Number of active contributing members	68	106	213	1,961	14	459	167
Number of inactive members	37	44	178	371	5	135	60
Average age of contributing members	44.0 years	43.0 years	40.2 years	43.3 years	41.1 years	41.7 years	41.2 years
Average length of service of contributing members	9.2 years	9.0 years	9.6 years	11.1 years	6.6 years	9.4 years	7.1 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$14,311,173	\$230,672	\$10,369,004	\$124,013,446	\$348,329	\$3,546,494	\$138,455
a. Contributing Members	4,711,672	138,831	2,783,318	12,021,668	170,257	871,180	30,482
b. Noncontributing Members	12,970,741	128,046	5,903,183	68,113,576	891,186	1,523,887	0
c. Annuitants	\$31,993,586	\$497,549	\$19,055,505	\$204,148,690	\$1,409,772	\$5,941,561	\$168,937
2. Total Actuarial Accrued Liability	27,729,485	\$47,724	17,178,730	157,296,848	1,225,413	4,989,284	161,746
3. Actuarial value of assets	\$4,264,101	(\$50,175)	\$1,876,775	\$46,851,842	\$184,359	\$952,277	\$7,191
4. Funded/(overfunded) actuarial accrued liability: (2) - (3)	86.7%	110.1%	90.2%	77.1%	86.9%	84.0%	95.7%
5. Funded Ratio: (3) / (2)	\$4,714,814	\$578,530	\$3,911,057	\$41,595,810	\$357,310	\$3,856,878	\$419,429
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	11.29%	0.79%	10.31%	12.25%	6.14%	2.96%	2.17%
Prior Service	5.55%	-0.55%	2.96%	6.89%	3.22%	1.75%	0.12%
Total Retirement	16.84%	0.24%	13.27%	19.14%	9.36%	4.71%	2.29%
Supplemental Death	0.22%	0.14%	0.16%	0.00%	0.00%	0.00%	0.30%
Total Rate	17.06%	0.38%	13.43%	19.14%	9.36%	4.71%	2.59%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	18.21%	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.1 years	24.7 years	25.9 years	26.2 years	25.4 years	20.7 years	21.1 years
Number of annuitants	61	3	38	250	7	23	0
Number of active contributing members	100	17	90	664	10	95	13
Number of inactive members	47	15	29	202	13	93	3
Average age of contributing members	45.1 years	40.2 years	42.1 years	42.8 years	45.2 years	41.8 years	49.3 years
Average length of service of contributing members	14.1 years	5.9 years	10.9 years	12.7 years	8.1 years	9.0 years	4.4 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Lindale	Linden	Lipan	Little Elm	Littlefield	Live Oak	Liverpool
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$3,539,862	\$409,786	\$47,309	\$11,059,889	\$2,630,508	\$17,704,219	\$7,109
a. Contributing Members	221,504	41,891	0	1,085,284	1,403,997	2,671,899	3,774
b. Noncontributing Members	91,386	30,737	0	977,389	1,622,346	5,519,054	0
c. Annuitants	\$3,852,752	\$482,414	\$47,309	\$13,122,562	\$5,656,851	\$25,895,172	\$10,883
2. Total Actuarial Acrued Liability	2,145,640	514,831	60,937	10,019,596	5,073,392	19,203,674	6,350
3. Actuarial value of assets	\$1,707,112	(\$32,417)	(\$13,628)	\$3,102,966	\$583,459	\$6,691,498	\$4,533
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	55.7%	106.7%	128.8%	76.4%	89.7%	74.2%	58.3%
5. Funded Ratio: (3) / (2)	\$1,779,130	\$485,701	\$86,254	\$8,470,965	\$1,853,244	\$5,955,584	\$109,476
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	9.25%	2.77%	1.36%	7.75%	8.13%	10.59%	0.02%
Prior Service	5.89%	-0.42%	-0.99%	2.55%	1.93%	6.87%	0.61%
Total Retirement	15.14%	2.35%	0.37%	10.30%	10.06%	17.46%	0.63%
Supplemental Death	0.00%	0.38%	0.10%	0.15%	0.23%	0.14%	0.05%
Total Rate	15.14%	2.73%	0.47%	10.45%	10.29%	17.60%	0.68%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	14.61%	N/A	N/A	N/A	9.62%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	N/A	13.50%	11.50%	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.1 years	25.0 years	25.2 years	21.3 years	26.1 years	26.3 years	8.0 years
Number of annuitants	3	1	0	15	28	35	0
Number of active contributing members	43	14	3	158	48	121	3
Number of inactive members	13	6	0	56	31	40	2
Average age of contributing members	47.2 years	52.8 years	45.9 years	42.5 years	43.5 years	43.5 years	34.2 years
Average length of service of contributing members	9.5 years	9.4 years	7.3 years	8.4 years	8.8 years	13.3 years	2.1 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$10,661,604	\$2,885,195	\$12,296,163	\$277,225	\$333,441	\$58,463,358	\$56,316
a. Contributing Members	665,368	408,285	3,217,726	32,691	423,715	10,236,093	31,712
b. Noncontributing Members	6,970,143	1,528,740	6,096,020	102,042	220,087	58,650,911	0
c. Annuitants	\$18,297,115	\$4,822,220	\$21,609,909	\$411,958	\$977,243	\$127,350,362	\$88,028
2. Total Actuarial Acrued Liability	15,424,587	3,897,523	17,759,096	549,322	1,020,101	116,279,461	61,866
3. Actuarial value of assets	\$2,872,528	\$924,697	\$3,850,813	(\$137,364)	(\$42,858)	\$11,070,901	\$26,162
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	84.3%	80.8%	82.2%	133.3%	104.4%	91.3%	70.3%
5. Funded Ratio: (3) / (2)	\$3,306,457	\$1,978,285	\$6,024,530	\$234,556	\$377,453	\$28,444,486	\$89,368
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	11.91%	5.93%	8.93%	3.31%	3.83%	8.15%	1.41%
Prior Service	5.31%	3.04%	3.91%	-3.31%	-0.71%	2.61%	2.06%
Total Retirement	17.22%	8.97%	12.84%	0.00%	3.12%	10.76%	3.47%
Supplemental Death	0.25%	0.26%	0.19%	0.36%	0.17%	0.19%	0.15%
Total Rate	17.47%	9.23%	13.03%	0.36%	3.29%	10.95%	3.62%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	17.16%	N/A	12.72%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	11.50%	12.50%	7.50%	7.50%	15.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.3 years	23.7 years	26.2 years	30.2 years	25.3 years	22.6 years	20.9 years
Number of annuitants	34	24	53	2	2	389	0
Number of active contributing members	77	48	144	6	11	613	3
Number of inactive members	11	20	84	6	16	220	1
Average age of contributing members	45.4 years	48.4 years	42.1 years	45.8 years	46.1 years	43.2 years	51.0 years
Average length of service of contributing members	12.1 years	9.9 years	9.5 years	8.7 years	9.3 years	10.1 years	12.4 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$17,704,219	\$2,630,508	\$47,309	\$11,059,889	\$2,630,508	\$17,704,219	\$7,109
a. Contributing Members	2,671,899	1,403,997	0	1,085,284	1,403,997	2,671,899	3,774
b. Noncontributing Members	5,519,054	30,737	0	977,389	1,622,346	5,519,054	0
c. Annuitants	\$25,895,172	\$482,414	\$47,309	\$13,122,562	\$5,656,851	\$25,895,172	\$10,883
2. Total Actuarial Acrued Liability	19,203,674	514,831	60,937	10,019,596	5,073,392	19,203,674	6,350
3. Actuarial value of assets	\$4,533	(\$32,417)	(\$13,628)	\$3,102,966	\$583,459	\$6,691,498	\$4,533
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	58.3%	106.7%	128.8%	76.4%	89.7%	74.2%	58.3%
5. Funded Ratio: (3) / (2)	\$109,476	\$485,701	\$86,254	\$8,470,965	\$1,853,244	\$5,955,584	\$109,476
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	10.59%	2.77%	1.36%	7.75%	8.13%	10.59%	0.02%
Prior Service	6.87%	-0.42%	-0.99%	2.55%	1.93%	6.87%	0.61%
Total Retirement	17.46%	2.35%	0.37%	10.30%	10.06%	17.46%	0.63%
Supplemental Death	0.05%	0.38%	0.10%	0.15%	0.23%	0.14%	0.05%
Total Rate	0.68%	2.73%	0.47%	10.45%	10.29%	17.60%	0.68%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	9.62%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	N/A	13.50%	11.50%	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.3 years	23.7 years	26.2 years	30.2 years	25.3 years	22.6 years	20.9 years
Number of annuitants	34	24	53	2	2	389	0
Number of active contributing members	77	48	144	6	11	613	3
Number of inactive members	11	20	84	6	16	220	1
Average age of contributing members	45.4 years	48.4 years	42.1 years	45.8 years	46.1 years	43.2 years	51.0 years
Average length of service of contributing members	12.1 years	9.9 years	9.5 years	8.7 years	9.3 years	10.1 years	12.4 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Lucas	Lubbock	Lovclady	Lott	Los Fresnos	Lorenzo	Lorena	Lucas
SUMMARY OF ACTUARIAL INFORMATION								
1. Actuarial Accrued Liability								
a. Contributing Members	\$684,851	\$235,077,571	\$19,701	\$23,185	\$1,447,880	\$122,907	\$356,843	
b. Noncontributing Members	337,439	41,420,397	1,353	35,043	203,911	154,104	397,216	
c. Annuitants	186,840	250,850,088	0	8,652	372,767	18,496	88,693	
2. Total Actuarial Accrued Liability	\$1,209,130	\$527,348,056	\$21,054	\$66,880	\$2,024,558	\$295,507	\$842,752	
3. Actuarial value of assets	1,032,483	424,248,797	12,076	91,886	2,376,445	374,113	718,198	
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$176,647	\$103,099,259	\$8,978	(\$25,006)	(\$351,887)	(\$78,606)	\$124,554	
5. Funded Ratio: (3) / (2)	85.4%	80.4%	57.4%	137.4%	117.4%	126.6%	85.2%	
6. Annual Payroll	\$869,201	\$84,711,296	\$86,829	\$208,876	\$1,541,826	\$239,462	\$481,118	
CITY CONTRIBUTION RATES FOR 2013								
Retirement								
Normal Cost	5.28%	12.01%	1.86%	0.96%	2.50%	3.96%	4.38%	
Prior Service	1.39%	7.47%	0.78%	-0.75%	-1.44%	-2.07%	1.58%	
Total Retirement	6.67%	19.48%	2.64%	0.21%	1.06%	1.89%	5.96%	
Supplemental Death	0.15%	0.00%	0.33%	0.18%	0.15%	0.00%	0.18%	
Total Rate	6.82%	19.48%	2.97%	0.39%	1.21%	1.89%	6.14%	
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	19.29%	N/A	N/A	N/A	N/A	N/A	
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	N/A	N/A	9.50%	9.50%	10.50%	
ADDITIONAL INFORMATION								
GASB 25 Equivalent Single Amortization Period as of 1/2013								
Number of annuitants	21.9 years	26.1 years	18.9 years	25.2 years	24.9 years	24.9 years	26.3 years	
Number of active contributing members	4	999	0	1	10	2	4	
Number of inactive members	20	1,713	3	8	48	8	15	
Average age of contributing members	25	514	1	27	28	6	20	
Average length of service of contributing members	47.3 years	43.3 years	48.3 years	42.8 years	40.1 years	41.8 years	43.2 years	
	7.1 years	10.9 years	2.7 years	1.7 years	9.2 years	4.4 years	6.7 years	
SUMMARY OF ACTUARIAL INFORMATION								
1. Actuarial Accrued Liability								
a. Contributing Members	\$321,577	\$1,624,842	\$1,335,090	\$304,740	\$4,157,908	\$3,916,218	\$37,589,659	
b. Noncontributing Members	239,103	356,745	121,711	1,023	332,570	353,367	4,294,794	
c. Annuitants	222,934	738,521	101,203	0	1,284,344	2,107,646	27,536,542	
2. Total Actuarial Accrued Liability	\$783,614	\$2,720,108	\$1,558,004	\$305,763	\$5,774,822	\$6,377,231	\$69,420,995	
3. Actuarial value of assets	808,877	2,168,828	1,387,699	181,488	4,144,680	5,132,140	53,869,376	
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$25,263)	\$551,280	\$170,305	\$124,275	\$1,630,142	\$1,245,091	\$15,551,619	
5. Funded Ratio: (3) / (2)	103.2%	79.7%	89.1%	59.4%	71.8%	80.5%	77.6%	
6. Annual Payroll	\$992,946	\$1,267,955	\$753,036	\$338,390	\$1,625,922	\$2,665,393	\$15,250,877	
CITY CONTRIBUTION RATES FOR 2013								
Retirement								
Normal Cost	0.00%	7.04%	7.85%	1.64%	12.22%	6.36%	10.52%	
Prior Service	0.00%	2.65%	9.20%	2.58%	6.13%	2.84%	6.28%	
Total Retirement	0.00%	9.69%	9.20%	4.22%	18.35%	9.20%	16.80%	
Supplemental Death	0.21%	0.24%	0.12%	0.00%	0.17%	0.32%	0.20%	
Total Rate	0.21%	9.93%	9.32%	4.22%	18.52%	9.52%	17.00%	
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	8.42%	8.69%	N/A	N/A	N/A	N/A	
Statutory Maximum Rate (Total Retirement Only)	8.50%	11.50%	11.50%	N/A	N/A	11.50%	N/A	
ADDITIONAL INFORMATION								
GASB 25 Equivalent Single Amortization Period as of 1/2013								
Number of annuitants	0.0 years	26.4 years	27.4 years	21.0 years	26.3 years	26.5 years	25.9 years	
Number of active contributing members	9	15	1	0	13	33	170	
Number of inactive members	23	37	20	12	37	78	359	
Average age of contributing members	20	21	8	4	10	47	122	
Average length of service of contributing members	41.8 years	44.7 years	40.4 years	47.6 years	44.9 years	43.8 years	42.5 years	
	8.4 years	7.7 years	8.9 years	12.5 years	10.0 years	9.2 years	10.3 years	

Actuarial Valuation of Participating Municipalities

CONTINUED

	Malakoff	Manor	Mansfield	Manvel	Marble Falls	Marfa	Marion
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$722,905	\$836,280	\$64,781,699	\$585,121	\$8,556,865	\$1,023,950	\$361,721
b. Noncontributing Members	189,617	185,933	5,273,484	73,647	1,241,606	165,320	40,817
c. Annuitants	279,256	27,520	19,125,279	114,363	3,750,234	650,164	76,376
2. Total Actuarial Acrued Liability	\$1,191,778	\$1,049,733	\$89,180,462	\$773,131	\$13,548,705	\$1,839,434	\$478,914
3. Actuarial value of assets	1,176,675	1,155,291	73,360,968	872,023	14,153,184	2,368,284	549,315
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	\$15,103	\$(105,558)	\$15,819,494	\$(98,892)	\$(604,479)	\$(528,850)	\$(70,401)
5. Funded Ratio: (3) / (2)	98.7%	110.1%	82.3%	112.8%	104.5%	128.8%	114.7%
6. Annual Payroll	\$794,769	\$1,437,146	\$26,803,906	\$1,083,030	\$5,684,993	\$760,901	\$381,280
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.51%	3.09%	11.26%	0.86%	4.87%	5.92%	6.66%
Prior Service	0.12%	-0.46%	3.62%	-0.57%	-0.67%	-4.37%	-1.16%
Total Retirement	2.63%	2.63%	14.88%	0.29%	4.20%	1.55%	5.50%
Supplemental Death	0.20%	0.16%	0.13%	0.15%	0.16%	0.39%	0.51%
Total Rate	2.83%	2.79%	15.01%	0.44%	4.36%	1.94%	6.01%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	14.48%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	N/A	7.50%	13.50%	11.50%	11.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	24.9 years	25.2 years	26.1 years	25.4 years	25.0 years	25.0 years	25.1 years
Number of active contributing members	7	1	108	5	47	12	2
Number of inactive members	21	35	458	27	110	26	9
Average age of contributing members	12	28	131	20	52	18	7
Average length of service of contributing members	46.5 years	42.2 years	41.6 years	41.7 years	43.0 years	51.2 years	55.4 years
	9.8 years	5.9 years	10.1 years	8.2 years	10.1 years	7.6 years	7.9 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$781,723	\$21,081,263	\$314,696	\$55,158	\$1,302,183	\$110,546	\$692,670
b. Noncontributing Members	674,157	3,257,256	449,348	14,478	154,938	0	504,554
c. Annuitants	3,043,823	23,827,783	85,637	0	\$89,206	0	931,246
2. Total Actuarial Acrued Liability	\$4,499,703	\$48,166,302	\$849,681	\$69,636	\$2,046,327	\$110,546	\$2,128,470
3. Actuarial value of assets	3,709,089	36,763,882	1,059,724	16,409	1,850,788	78,448	2,553,892
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	\$790,614	\$11,402,420	\$(210,043)	\$53,227	\$195,539	\$32,098	\$(425,422)
5. Funded Ratio: (3) / (2)	82.4%	76.3%	124.7%	23.6%	90.4%	71.0%	120.0%
6. Annual Payroll	\$1,663,765	\$8,307,756	\$474,520	\$179,071	\$986,391	\$135,670	\$1,524,891
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	3.94%	12.23%	3.37%	2.56%	5.41%	2.90%	0.68%
Prior Service	2.89%	8.41%	-2.79%	3.36%	1.25%	1.65%	-0.68%
Total Retirement	6.83%	20.64%	0.58%	5.92%	6.66%	4.55%	0.00%
Supplemental Death	0.23%	0.22%	0.14%	0.15%	0.20%	0.24%	0.00%
Total Rate	7.06%	20.86%	0.72%	6.07%	6.86%	4.79%	0.21%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	20.51%	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	9.50%	N/A	9.50%	N/A	9.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	26.5 years	26.2 years	24.9 years	11.0 years	24.9 years	21.2 years	100.0 years
Number of active contributing members	45	145	4	0	10	0	15
Number of inactive members	57	199	15	6	29	4	50
Average age of contributing members	91	52	33	11	11	0	63
Average length of service of contributing members	37.8 years	44.8 years	36.2 years	49.9 years	45.7 years	53.8 years	40.5 years
	4.5 years	10.2 years	5.5 years	3.9 years	8.4 years	9.2 years	5.3 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Maypearl	McAllen	McCaughey	McGregor	McKinney	McLean	Meadowlakes
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$56,763	\$100,055,540	\$590,942	\$2,203,779	\$106,770,510	\$102,108	\$139,277
a. Contributing Members	46,147	14,741,096	17,119	1,019,225	19,100,102	141,367	40,157
b. Noncontributing Members	36,458	44,398,056	452,694	1,569,595	30,678,844	4,570	0
c. Annuitants	\$139,368	\$159,194,692	\$1,060,755	\$4,792,590	\$156,549,456	\$248,045	\$179,434
2. Total Actuarial Accrued Liability	139,590	161,885,479	1,228,962	3,968,531	119,057,419	226,895	223,711
3. Actuarial value of assets	(\$222)	(\$2,690,787)	(\$168,207)	\$824,068	\$37,492,037	\$21,150	(\$44,277)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	100.2%	101.7%	115.9%	82.8%	76.1%	91.5%	124.7%
5. Funded Ratio: (3) / (2)	\$182,950	\$59,840,444	\$286,100	\$1,780,561	\$50,465,754	\$191,977	\$399,838
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	0.63%	5.34%	5.91%	7.38%	10.73%	1.39%	1.67%
Prior Service	-0.01%	-0.28%	-3.70%	3.21%	4.55%	0.77%	-0.70%
Total Retirement	0.62%	5.06%	2.21%	10.59%	15.28%	2.16%	0.97%
Supplemental Death	0.19%	0.00%	0.25%	0.23%	0.12%	0.15%	0.11%
Total Rate	0.81%	5.06%	2.46%	10.82%	15.40%	2.31%	1.08%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	14.75%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	13.50%	9.50%	12.50%	15.50%	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	16.6 years	25.5 years	25.0 years	21.4 years	26.2 years	21.1 years	24.8 years
Number of annuitants	1	343	8	23	165	1	0
Number of active contributing members	6	1,459	6	47	758	6	10
Number of inactive members	5	274	7	44	242	7	13
Average age of contributing members	47.3 years	40.8 years	41.8 years	41.8 years	41.8 years	45.8 years	38.8 years
Average length of service of contributing members	5.7 years	9.9 years	12.7 years	8.6 years	10.8 years	6.1 years	3.0 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$2,754,474	\$1,229,715	\$7,191,478	\$1,179,224	\$709,149	\$10,363,855	\$320,571
a. Contributing Members	708,662	164,494	53,544	29,315	41,817	800,117	5,630
b. Noncontributing Members	1,047,836	120,467	5,352,023	582,687	585,326	3,652,379	9,771
c. Annuitants	\$4,510,972	\$1,514,676	\$12,597,045	\$1,791,226	\$1,336,292	\$14,816,351	\$335,972
2. Total Actuarial Accrued Liability	4,456,252	1,285,873	10,508,163	1,616,401	1,406,287	9,121,369	434,962
3. Actuarial value of assets	\$54,720	\$228,803	\$2,088,882	\$174,825	(\$69,995)	\$5,694,982	(\$98,990)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	98.8%	84.9%	83.4%	90.2%	105.2%	61.6%	129.5%
5. Funded Ratio: (3) / (2)	\$1,367,945	\$1,520,029	\$2,863,732	\$536,450	\$307,981	\$3,958,829	\$313,266
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	6.50%	2.92%	5.07%	7.51%	8.22%	11.54%	4.79%
Prior Service	0.46%	1.03%	4.48%	2.01%	-1.43%	8.81%	-1.99%
Total Retirement	6.96%	3.95%	9.55%	9.52%	6.79%	20.35%	2.80%
Supplemental Death	0.20%	0.14%	0.24%	0.29%	0.00%	0.17%	0.12%
Total Rate	7.16%	4.09%	9.79%	9.81%	6.79%	20.52%	2.92%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	19.06%	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	N/A	N/A	N/A	N/A	11.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	10.8 years	21.8 years	26.1 years	25.9 years	25.0 years	26.2 years	25.0 years
Number of annuitants	8	4	23	8	4	35	1
Number of active contributing members	26	39	38	20	9	108	9
Number of inactive members	29	12	5	5	1	42	3
Average age of contributing members	47.3 years	40.3 years	48.8 years	46.3 years	51.7 years	42.9 years	41.4 years
Average length of service of contributing members	12.6 years	7.6 years	19.4 years	12.5 years	13.1 years	9.8 years	7.6 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Merkel	Mertzon	Mesquite	Mexia	Midland	Midlothian	Miles
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$252,773	\$65,501	\$171,276,655	\$5,365,237	\$102,146,737	\$16,548,552	\$16,015
b. Noncontributing Members	221,342	26,407	15,359,912	1,012,740	17,111,614	2,642,923	113,361
c. Annuitants	772,210	273,255	158,583,992	4,730,758	120,567,966	6,671,600	0
2. Total Actuarial Acrued Liability	\$1,246,325	\$365,163	\$345,220,559	\$11,108,735	\$239,826,317	\$25,863,075	\$129,376
3. Actuarial value of assets	834,571	145,731	328,142,416	9,385,721	210,714,570	19,758,334	177,322
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$411,754	\$219,432	\$17,078,143	\$1,723,014	\$29,111,747	\$6,104,741	(\$47,946)
5. Funded Ratio: (3) / (2)	67.0%	39.9%	95.1%	84.5%	87.9%	76.4%	137.1%
6. Annual Payroll	\$423,598	\$153,744	\$65,732,185	\$3,769,015	\$35,831,390	\$9,218,402	\$112,847
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	7.09%	0.86%	8.65%	8.68%	11.29%	9.57%	0.77%
Prior Service	6.03%	8.81%	1.98%	2.78%	5.00%	4.06%	-0.77%
Total Retirement	13.12%	9.67%	10.63%	11.46%	16.29%	13.63%	0.00%
Supplemental Death	0.15%	0.11%	0.00%	0.18%	0.00%	0.14%	0.08%
Total Rate	13.27%	9.78%	10.63%	11.64%	16.29%	13.77%	0.08%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	10.99%	N/A	12.97%	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	13.50%	N/A	13.50%	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.6 years	25.8 years	18.6 years	26.5 years	26.0 years	26.1 years	100.0 years
Number of annuitants	5	2	545	39	477	50	0
Number of active contributing members	11	4	1,050	102	704	169	3
Number of inactive members	8	2	249	79	331	65	4
Average age of contributing members	40.7 years	37.9 years	43.0 years	41.3 years	42.2 years	41.2 years	43.9 years
Average length of service of contributing members	4.2 years	6.1 years	12.3 years	6.9 years	10.9 years	9.4 years	3.0 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$468,334	\$1,925,758	\$12,047,971	\$37,787,032	\$27,543,031	\$5,246,775	\$6,361,132
b. Noncontributing Members	28,887	525,967	2,584,668	3,131,067	7,069,376	271,550	2,144,134
c. Annuitants	79,155	2,001,517	9,549,751	11,093,047	34,550,115	4,375,727	2,013,888
2. Total Actuarial Acrued Liability	\$576,376	\$4,453,242	\$24,182,390	\$52,011,146	\$69,162,522	\$9,894,052	\$10,519,154
3. Actuarial value of assets	475,281	4,888,361	21,302,176	47,502,963	72,995,245	8,293,549	9,685,502
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$101,095	(\$435,119)	\$2,880,214	\$4,508,183	(\$3,832,723)	\$1,600,503	\$833,652
5. Funded Ratio: (3) / (2)	82.5%	109.8%	88.1%	91.3%	105.5%	83.8%	92.1%
6. Annual Payroll	\$207,626	\$1,830,301	\$6,787,649	\$22,753,724	\$17,317,635	\$2,608,681	\$3,461,887
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	6.47%	5.20%	8.18%	6.91%	5.72%	7.53%	7.15%
Prior Service	3.00%	-1.50%	2.62%	1.22%	-1.28%	3.78%	1.45%
Total Retirement	9.47%	3.70%	10.80%	8.13%	4.44%	11.31%	8.60%
Supplemental Death	0.45%	0.18%	0.22%	0.13%	0.13%	0.23%	0.16%
Total Rate	9.92%	3.88%	11.02%	8.26%	4.57%	11.54%	8.76%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	10.31%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	11.50%	11.50%	12.50%	15.50%	N/A	11.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.9 years	24.9 years	25.8 years	25.9 years	29.0 years	25.9 years	27.0 years
Number of annuitants	2	22	83	114	123	24	11
Number of active contributing members	5	47	161	576	307	51	61
Number of inactive members	5	17	104	205	113	19	18
Average age of contributing members	55.2 years	43.0 years	45.9 years	41.1 years	39.6 years	45.7 years	44.5 years
Average length of service of contributing members	14.3 years	9.0 years	9.7 years	9.4 years	9.5 years	12.9 years	11.6 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Montgomery	Moody	Morgan's Point	Morgan's Point Resort	Morrison	Moulton	Mount Enterprise
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$353,957	\$624,447	\$1,514,926	\$899,656	\$998,606	\$1,027,181	\$100,674
a. Contributing Members	239,899	0	952,173	462,995	292,593	95,810	0
b. Noncontributing Members	43,348	0	927,010	709,119	415,571	597,380	0
c. Annuitants	\$637,204	\$624,447	\$3,394,109	\$2,071,770	\$1,706,770	\$1,720,371	\$100,674
2. Total Actuarial Acrued Liability	679,352	580,345	2,824,943	1,713,700	1,524,085	1,563,543	98,619
3. Actuarial value of assets	(\$42,148)	\$44,102	\$569,166	\$358,070	\$182,685	\$156,828	\$2,055
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	106.6%	92.9%	83.2%	82.7%	89.3%	90.9%	98.0%
5. Funded Ratio: (3) / (2)	\$659,915	\$353,016	\$799,865	\$902,133	\$343,394	\$380,894	\$82,774
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	3.99%	3.07%	10.43%	7.45%	11.19%	7.31%	2.78%
Prior Service	-0.40%	0.91%	4.36%	2.42%	3.27%	2.90%	0.90%
Total Retirement	3.59%	3.98%	14.79%	9.87%	14.46%	10.21%	3.68%
Supplemental Death	0.00%	0.38%	0.30%	0.23%	0.36%	0.23%	0.26%
Total Rate	3.59%	4.36%	15.09%	10.10%	14.82%	10.44%	3.94%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	9.76%	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	7.50%	N/A	13.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.2 years	19.9 years	26.2 years	26.4 years	26.0 years	20.9 years	3.0 years
Number of annuitants	2	0	5	17	5	7	0
Number of active contributing members	14	9	14	24	8	9	2
Number of inactive members	18	0	8	17	4	6	0
Average age of contributing members	41.4 years	51.3 years	50.3 years	43.4 years	45.0 years	52.3 years	55.5 years
Average length of service of contributing members	7.8 years	18.0 years	12.5 years	7.8 years	16.5 years	18.5 years	14.8 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$12,867,761	\$1,022,730	\$161,903	\$3,302,422	\$193,625	\$6,550,540	\$36,827,455
a. Contributing Members	3,605,862	77,725	211,522	628,538	658	2,071,948	5,227,947
b. Noncontributing Members	6,996,286	1,202,075	871,880	2,712,974	0	2,316,096	30,942,120
c. Annuitants	\$23,469,909	\$2,302,530	\$1,245,305	\$6,643,934	\$194,283	\$10,938,584	\$72,997,522
2. Total Actuarial Acrued Liability	17,973,410	2,143,087	1,486,190	5,493,456	43,567	7,553,720	59,361,071
3. Actuarial value of assets	\$5,496,499	\$159,443	(\$240,885)	\$1,150,478	\$150,716	\$3,384,864	\$13,636,451
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	76.6%	93.1%	119.3%	82.7%	22.4%	69.1%	81.3%
5. Funded Ratio: (3) / (2)	\$5,844,338	\$836,569	\$425,519	\$1,164,714	\$284,653	\$5,300,821	\$14,826,320
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	10.73%	8.65%	4.59%	11.83%	1.07%	6.28%	9.57%
Prior Service	5.78%	1.23%	-3.56%	6.06%	3.45%	4.45%	5.70%
Total Retirement	16.51%	9.88%	1.03%	17.89%	4.52%	10.73%	15.27%
Supplemental Death	0.19%	0.18%	0.00%	0.18%	0.32%	0.12%	0.16%
Total Rate	16.70%	10.06%	1.03%	18.07%	4.84%	10.85%	15.43%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	15.90%	N/A	N/A	17.66%	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	13.50%	11.50%	N/A	N/A	13.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.0 years	24.0 years	25.0 years	26.1 years	23.6 years	21.2 years	25.7 years
Number of annuitants	67	15	9	19	0	15	156
Number of active contributing members	142	22	12	33	9	95	298
Number of inactive members	69	10	6	14	1	49	112
Average age of contributing members	42.8 years	42.5 years	51.4 years	43.7 years	52.2 years	40.8 years	41.8 years
Average length of service of contributing members	9.1 years	7.8 years	3.9 years	11.0 years	12.6 years	10.3 years	11.6 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Naples	Nash	Nassau Bay	Natalia	Navasota	Nederland	Needville
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$150,817	\$736,746	\$4,421,674	\$145,974	\$5,148,631	\$21,864,729	\$1,130,460
b. Noncontributing Members	26,984	25,941	611,803	24,728	1,357,487	3,213,060	362,634
c. Annuitants	169,903	113,297	1,335,421	0	2,379,838	16,551,944	331,125
2. Total Actuarial Accrued Liability	\$347,704	\$875,984	\$6,368,898	\$170,702	\$8,885,956	\$41,629,733	\$1,824,219
3. Actuarial value of assets	(415,415)	1,050,768	3,376,136	107,776	8,080,627	44,408,596	1,868,008
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$67,711)	(\$174,784)	\$2,992,762	\$62,926	\$805,329	(\$2,778,863)	(\$43,789)
5. Funded Ratio: (3) / (2)	119.5%	120.0%	53.0%	63.1%	90.9%	106.7%	102.4%
6. Annual Payroll	\$345,401	\$744,320	\$2,470,979	\$405,100	\$3,088,257	\$6,273,126	\$600,856
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.57%	3.44%	5.56%	0.91%	7.20%	10.83%	4.66%
Prior Service	-1.23%	-1.48%	7.20%	1.08%	1.59%	-2.79%	-0.46%
Total Retirement	1.34%	1.96%	12.76%	1.99%	8.79%	8.04%	4.20%
Supplemental Death	0.27%	0.25%	0.14%	0.23%	0.19%	0.00%	0.37%
Total Rate	1.61%	2.21%	12.90%	2.22%	8.98%	8.04%	4.57%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	8.51%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	11.50%	N/A	N/A	11.50%	N/A	9.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	25.1 years	24.9 years	27.6 years	21.3 years	26.4 years	25.0 years	24.9 years
Number of active contributing members	4	6	11	0	26	71	7
Number of inactive members	11	19	46	13	83	107	15
Average age of contributing members	10	4	23	4	50	25	13
Average length of service of contributing members	4.9 years	9.2 years	13.5 years	6.8 years	9.4 years	15.7 years	14.4 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,796,888	\$52,570,785	\$29,993,555	\$135,551	\$62,968	\$496,416	\$49,006
b. Noncontributing Members	116,380	6,567,738	4,566,685	96,229	0	99,913	30,325
c. Annuitants	957,293	35,754,908	17,947,851	0	0	82,150	20,918
2. Total Actuarial Accrued Liability	\$2,870,561	\$94,893,431	\$52,508,091	\$231,780	\$62,968	\$678,479	\$100,249
3. Actuarial value of assets	2,928,418	65,548,163	42,470,954	248,617	30,055	\$89,976	212,148
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$57,857)	\$29,345,268	\$10,037,137	(\$16,837)	\$32,913	(\$89,976)	(\$11,899)
5. Funded Ratio: (3) / (2)	102.0%	69.1%	80.9%	107.3%	47.7%	86.7%	211.6%
6. Annual Payroll	\$1,097,543	\$25,190,430	\$11,265,927	\$211,119	\$109,278	\$390,631	\$233,133
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	4.96%	10.16%	10.02%	0.99%	0.80%	5.06%	1.60%
Prior Service	-0.33%	7.14%	5.47%	-0.50%	1.99%	1.42%	-1.60%
Total Retirement	4.63%	17.30%	15.49%	0.49%	2.79%	6.48%	0.00%
Supplemental Death	0.19%	0.13%	0.17%	0.00%	0.25%	0.00%	0.00%
Total Rate	4.82%	17.43%	15.66%	0.49%	3.04%	6.48%	0.00%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	16.52%	15.08%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	N/A	N/A	7.50%	N/A	7.50%	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	25.2 years	26.2 years	26.1 years	25.2 years	23.1 years	25.9 years	100.0 years
Number of active contributing members	11	170	85	0	0	3	2
Number of inactive members	36	479	216	5	3	10	7
Average age of contributing members	10	176	52	7	0	6	14
Average length of service of contributing members	11.1 years	40.7 years	10.7 years	11.8 years	6.1 years	10.6 years	43.9 years
		9.9 years					3.6 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	New Waverly	Newton	Nixon	Nocoma	Normangee	North Richland Hills	Northlake
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$272,563	\$1,897,355	\$349,834	\$823,610	\$35,011	\$99,668,946	\$786,414
b. Noncontributing Members	55,261	5,580	27,361	383,993	115,684	17,590,391	145,588
c. Annuitants	171,286	2,582,055	134,120	361,460	26,495	\$7,219,453	105,926
2. Total Actuarial Acrued Liability	\$499,110	\$4,484,990	\$511,315	\$1,569,063	\$177,190	\$174,478,790	\$1,037,928
3. Actuarial value of assets	467,821	3,090,712	546,063	1,277,698	189,868	145,529,766	818,166
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	\$31,289	\$1,394,278	(\$34,748)	\$291,365	(\$12,678)	\$28,949,024	\$219,762
5. Funded Ratio: (3) / (2)	93.7%	68.9%	106.8%	81.4%	107.2%	83.4%	78.8%
6. Annual Payroll	\$197,755	\$882,894	\$484,546	\$828,627	\$99,373	\$30,884,594	\$982,217
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	3.56%	11.14%	1.64%	8.04%	1.46%	12.48%	4.88%
Prior Service	1.08%	9.70%	-0.45%	2.14%	-0.80%	5.73%	1.50%
Total Retirement	4.64%	20.84%	1.19%	10.18%	0.66%	18.21%	6.38%
Supplemental Death	0.18%	0.17%	0.35%	0.25%	0.13%	0.00%	0.09%
Total Rate	4.82%	21.01%	1.54%	10.43%	0.79%	18.21%	6.47%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	20.63%	N/A	9.91%	N/A	17.87%	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	N/A	N/A	11.50%	11.50%	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	219 years	13	25.1 years	26.5 years	25.2 years	26.3 years	22.6 years
Number of active contributing members	1	5	5	10	2	217	4
Number of inactive members	5	22	16	24	3	515	19
Average age of contributing members	1	6	8	28	3	219	15
Average length of service of contributing members	480 years	40.9 years	46.0 years	49.0 years	38.0 years	42.1 years	39.3 years
	17.1 years	8.7 years	9.2 years	6.6 years	5.8 years	12.9 years	7.3 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$39,589	\$953,465	\$3,545,495	\$517,843	\$71,074,855	\$40,574	\$10,175
b. Noncontributing Members	30,247	117,797	1,306,073	197	17,729,442	0	4,044
c. Annuitants	127,199	33,893	\$43,674	347,263	\$58,688,511	18,116	0
2. Total Actuarial Acrued Liability	\$197,035	\$1,105,155	\$5,395,242	\$865,303	\$184,473,148	\$68,690	\$14,219
3. Actuarial value of assets	158,574	840,548	4,127,897	702,554	162,075,646	64,470	\$36,796
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	\$38,461	\$264,607	\$1,267,345	\$162,749	\$22,397,502	(\$5,780)	(\$22,577)
5. Funded Ratio: (3) / (2)	80.5%	76.1%	76.5%	81.2%	87.9%	109.8%	258.8%
6. Annual Payroll	\$101,930	\$1,060,920	\$2,199,974	\$489,491	\$31,015,456	\$55,749	\$24,699
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	1.65%	2.66%	8.21%	2.86%	10.34%	2.99%	2.14%
Prior Service	3.11%	1.72%	4.04%	2.29%	4.42%	-0.65%	-2.14%
Total Retirement	4.76%	4.38%	12.25%	5.15%	14.96%	2.34%	0.00%
Supplemental Death	0.19%	0.11%	0.13%	0.29%	0.19%	0.43%	0.00%
Total Rate	4.95%	4.49%	12.38%	5.44%	15.15%	2.77%	0.00%
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	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	166 years	216 years	21.0 years	21.6 years	26.2 years	25.2 years	100.0 years
Number of active contributing members	2	1	6	5	420	1	0
Number of inactive members	3	20	43	15	650	2	1
Average age of contributing members	2	16	18	1	322	0	2
Average length of service of contributing members	50.4 years	39.9 years	41.0 years	51.2 years	42.4 years	60.1 years	50.2 years
	11.2 years	8.7 years	7.9 years	12.0 years	9.4 years	6.6 years	5.6 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Olmsted Park	Olney	Omaha	Omakaska	Orange	Orange Grove	Ore City
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$1,205,844	\$461,801	\$73,814	\$77,334	\$25,436,272	\$170,088	\$111,546
a. Contributing Members	673,905	72,590	20,609	50,816	4,641,541	5,663	72,341
b. Noncontributing Members	2,239,471	57,056	65,943	29,130	25,261,064	639,020	75,527
c. Annuitants	\$4,119,220	\$591,447	\$160,366	\$157,280	\$55,338,877	\$814,771	\$259,414
2. Total Actuarial Acrued Liability	4,655,121	488,516	94,552	198,547	45,991,259	956,792	219,529
3. Actuarial value of assets	(533,901)	\$102,931	\$65,814	(841,267)	\$9,347,618	(142,021)	\$39,885
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	113.0%	82.6%	59.0%	126.2%	83.1%	117.4%	84.6%
5. Funded Ratio: (3) / (2)	\$1,524,999	\$669,965	\$169,974	\$302,055	\$7,949,340	\$366,507	\$317,198
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	3.02%	2.05%	1.67%	0.97%	12.97%	4.23%	0.89%
Prior Service	-2.21%	0.99%	2.78%	-0.86%	7.25%	-2.44%	0.90%
Total Retirement	0.81%	3.04%	4.45%	0.11%	20.22%	1.79%	1.79%
Supplemental Death	0.00%	0.13%	0.20%	0.13%	0.00%	0.14%	0.19%
Total Rate	0.81%	3.17%	4.65%	0.24%	20.22%	1.93%	1.98%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	7.50%	N/A	9.50%	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.0 years	24.0 years	20.3 years	25.0 years	25.9 years	25.0 years	20.4 years
Number of annuitants	28	4	1	4	110	5	2
Number of active contributing members	36	21	6	9	155	10	9
Number of inactive members	30	22	1	15	50	3	10
Average age of contributing members	40.1 years	46.3 years	48.0 years	41.4 years	44.5 years	46.8 years	45.1 years
Average length of service of contributing members	9.9 years	8.0 years	5.9 years	3.7 years	13.1 years	6.1 years	5.1 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$325,786	\$994,325	\$879,031	\$144,719	\$2,560,846	\$13,201,624	\$509,676
a. Contributing Members	227,268	355,140	138,931	256,898	245,418	3,665,536	176,459
b. Noncontributing Members	210,842	291,743	730,432	790,308	1,009,096	19,184,849	173,189
c. Annuitants	\$763,896	\$1,641,208	\$1,748,394	\$1,191,925	\$3,815,360	\$36,052,009	\$859,324
2. Total Actuarial Acrued Liability	1,006,881	1,417,592	1,706,490	1,225,316	2,498,805	26,964,804	831,973
3. Actuarial value of assets	(8242,985)	\$223,616	\$41,904	(533,391)	\$1,316,555	\$9,087,205	\$27,351
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	131.8%	86.4%	97.6%	102.8%	65.5%	74.8%	96.8%
5. Funded Ratio: (3) / (2)	\$580,498	\$930,619	\$654,922	\$289,192	\$1,380,024	\$7,660,315	\$791,122
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	3.02%	4.16%	7.57%	3.88%	11.06%	8.23%	5.88%
Prior Service	-2.63%	1.56%	0.40%	-0.73%	5.53%	7.29%	0.20%
Total Retirement	0.39%	5.72%	7.97%	3.15%	16.59%	15.52%	6.08%
Supplemental Death	0.13%	0.16%	0.16%	0.25%	0.21%	0.19%	0.00%
Total Rate	0.52%	5.88%	8.13%	3.40%	16.80%	15.71%	6.08%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	15.79%	14.94%	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	13.50%	13.50%	9.50%	13.50%	N/A	11.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.1 years	23.8 years	25.3 years	24.8 years	28.9 years	26.0 years	29.0 years
Number of annuitants	8	9	13	12	12	123	4
Number of active contributing members	18	24	17	11	36	165	21
Number of inactive members	22	24	4	8	31	75	15
Average age of contributing members	42.1 years	42.6 years	45.1 years	45.2 years	46.0 years	41.0 years	40.4 years
Average length of service of contributing members	5.4 years	9.3 years	8.2 years	4.9 years	9.5 years	9.8 years	5.3 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$170,088	\$461,801	\$73,814	\$77,334	\$25,436,272	\$170,088	\$111,546
a. Contributing Members	72,341	72,590	20,609	50,816	4,641,541	5,663	72,341
b. Noncontributing Members	219,529	57,056	65,943	29,130	25,261,064	639,020	75,527
c. Annuitants	\$259,414	\$591,447	\$160,366	\$157,280	\$55,338,877	\$814,771	\$259,414
2. Total Actuarial Acrued Liability	\$39,885	\$488,516	\$94,552	\$198,547	\$45,991,259	\$956,792	\$219,529
3. Actuarial value of assets	(142,021)	\$102,931	\$65,814	(841,267)	\$9,347,618	(142,021)	\$39,885
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	117.4%	82.6%	59.0%	126.2%	83.1%	117.4%	84.6%
5. Funded Ratio: (3) / (2)	\$317,198	\$669,965	\$169,974	\$302,055	\$7,949,340	\$366,507	\$317,198
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	0.89%	2.05%	1.67%	0.97%	12.97%	4.23%	0.89%
Prior Service	0.90%	0.99%	2.78%	-0.86%	7.25%	-2.44%	0.90%
Total Retirement	1.79%	3.04%	4.45%	0.11%	20.22%	1.79%	1.79%
Supplemental Death	0.19%	0.13%	0.20%	0.13%	0.00%	0.14%	0.19%
Total Rate	1.98%	3.17%	4.65%	0.24%	20.22%	1.93%	1.98%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	N/A	N/A	7.50%	N/A	9.50%	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	20.4 years	24.0 years	20.3 years	25.0 years	25.9 years	25.0 years	20.4 years
Number of annuitants	2	4	1	4	110	5	2
Number of active contributing members	9	21	6	9	155	10	9
Number of inactive members	10	22	1	15	50	3	10
Average age of contributing members	45.1 years	46.3 years	48.0 years	41.4 years	44.5 years	46.8 years	45.1 years
Average length of service of contributing members	5.1 years	8.0 years	5.9 years	3.7 years	13.1 years	6.1 years	5.1 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$509,676	\$994,325	\$879,031	\$144,719	\$2,560,846	\$13,201,624	\$509,676
a. Contributing Members	176,459	355,140	138,931	256,898	245,418	3,665,536	176,459
b. Noncontributing Members	173,189	291,743	730,432	790,308	1,009,096	19,184,849	173,189
c. Annuitants	\$859,324	\$1,641,208	\$1,748,394	\$1,191,925	\$3,815,360	\$36,052,009	\$859,324
2. Total Actuarial Acrued Liability	\$31,973	1,417,592	1,706,490	1,225,316	2,498,805	26,964,804	831,973
3. Actuarial value of assets	(27,351)	\$223,616	\$41,904	(533,391)	\$1,316,555	\$9,087,205	\$27,351
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	96.8%	86.4%	97.6%	102.8%	65.5%	74.8%	96.8%
5. Funded Ratio: (3) / (2)	\$791,122	\$930,619	\$654,922	\$289,192	\$1,380,024	\$7,660,315	\$791,122
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	5.88%	4.16%	7.57%	3.88%	11.06%	8.23%	5.88%
Prior Service	0.20%	1.56%	0.40%	-0.73%	5.53%	7.29%	0.20%
Total Retirement	6.08%	5.72%	7.97%	3.15%	16.59%	15.52%	6.08%
Supplemental Death	0.00%	0.16%	0.16%	0.25%	0.21%	0.19%	0.00%
Total Rate	6.08%	5.88%	8.13%	3.40%	16.80%	15.71%	6.08%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	15.79%	14.94%	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	13.50%	13.50%	9.50%	13.50%	N/A	11.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	29.0 years	23.8 years	25.3 years	24.8 years	28.9 years	26.0 years	29.0 years
Number of annuitants	4	9	13	12	12	123	4
Number of active contributing members	21	24	17	11	36	165	21
Number of inactive members	15	24	4	8	31	75	15
Average age of contributing members	40.4 years	42.6 years	45.1 years	45.2 years	46.0 years	41.0 years	40.4 years
Average length of service of contributing members	5.3 years	9.3 years	8.2 years	4.9 years	9.5 years	9.8 years	5.3 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Palmhurst	Pampa	Pamhandle	Panorama Village	Pantego	Paris
SUMMARY OF ACTUARIAL INFORMATION						
1. Actuarial Accrued Liability	\$155,102	\$14,240,751	\$624,436	\$905,221	\$3,243,335	\$22,194,638
a. Contributing Members	37,370	2,055,628	628,491	87,182	2,035,718	4,529,511
b. Noncontributing Members	0	17,870,837	602,832	423,023	7,729,381	18,735,225
c. Annuitants	\$192,472	\$34,167,216	\$1,855,759	\$1,415,426	\$13,008,434	\$45,459,374
2. Total Actuarial Accrued Liability	207,546	22,172,736	1,679,907	1,426,823	9,832,664	45,192,490
3. Actuarial value of assets	(\$15,074)	\$11,994,480	\$175,852	(\$11,397)	\$3,175,770	\$266,884
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	107,880	64.9%	90.5%	100.8%	75.6%	99.4%
5. Funded Ratio: (3) / (2)	\$703,760	\$6,223,889	\$681,217	\$542,281	\$2,298,170	\$11,462,772
6. Annual Payroll						
CITY CONTRIBUTION RATES FOR 2013						
Retirement						
Normal Cost	0.48%	10.56%	2.93%	4.11%	8.92%	6.54%
Prior Service	-0.13%	11.58%	1.57%	-0.13%	8.47%	0.16%
Total Retirement	0.35%	22.14%	4.50%	3.98%	17.39%	6.70%
Supplemental Death	0.12%	0.24%	0.00%	0.36%	0.15%	0.22%
Total Rate	0.47%	22.38%	4.50%	4.34%	17.54%	6.92%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	21.53%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	7.50%	12.50%	N/A	N/A
ADDITIONAL INFORMATION						
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.6 years	27.1 years	26.5 years	25.7 years	26.2 years	21.7 years
Number of annuitants	0	125	5	5	31	165
Number of active contributing members	19	147	16	12	44	274
Number of inactive members	15	86	13	1	77	104
Average age of contributing members	39.3 years	41.7 years	44.5 years	56.3 years	38.6 years	43.9 years
Average length of service of contributing members	4.0 years	8.8 years	11.5 years	17.7 years	6.7 years	11.3 years
SUMMARY OF ACTUARIAL INFORMATION						
1. Actuarial Accrued Liability	\$1,032,761	\$54,440,744	\$1,957,577	\$4,368,961	\$7,536,720	\$22,368,576
a. Contributing Members	91,501	10,497,088	891,071	546,566	1,385,837	3,664,947
b. Noncontributing Members	1,143,625	13,466,283	1,308,770	4,610,198	5,383,483	5,539,399
c. Annuitants	\$2,267,887	\$78,404,115	\$4,157,418	\$9,525,725	\$14,306,040	\$31,572,922
2. Total Actuarial Accrued Liability	1,676,155	61,822,285	3,970,878	9,951,163	12,193,053	23,168,480
3. Actuarial value of assets	\$591,732	\$16,581,830	\$186,540	(\$425,438)	\$2,112,987	\$8,404,442
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	1,084,423	45,240,455	3,784,338	10,376,601	10,080,066	14,764,038
5. Funded Ratio: (3) / (2)	73.9%	78.9%	95.5%	104.5%	85.2%	73.4%
6. Annual Payroll	\$1,012,983	\$29,607,555	\$1,597,153	\$4,324,119	\$2,932,442	\$13,194,293
CITY CONTRIBUTION RATES FOR 2013						
Retirement						
Normal Cost	5.82%	9.50%	3.47%	6.38%	11.10%	8.88%
Prior Service	4.04%	3.42%	0.71%	-0.62%	4.42%	3.90%
Total Retirement	9.86%	12.92%	4.18%	5.76%	15.52%	12.78%
Supplemental Death	0.12%	0.18%	0.23%	0.20%	0.20%	0.12%
Total Rate	9.98%	13.04%	4.36%	5.99%	15.72%	12.90%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	12.79%	N/A	N/A	N/A	12.50%
Statutory Maximum Rate (Total Retirement Only)	13.50%	13.50%	7.50%	11.50%	N/A	13.50%
ADDITIONAL INFORMATION						
GASB 25 Equivalent Single Amortization Period as of 1/2013	21.5 years	26.3 years	26.5 years	25.0 years	26.1 years	26.2 years
Number of annuitants	4	87	16	46	30	33
Number of active contributing members	17	550	54	101	74	253
Number of inactive members	10	201	75	64	61	101
Average age of contributing members	45.3 years	41.4 years	40.9 years	44.2 years	40.7 years	41.1 years
Average length of service of contributing members	9.2 years	8.7 years	8.9 years	8.1 years	9.2 years	8.8 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Pharr	Pilot Point	Pinchurst	Pineland	Piney Point Village	Pittsburg	Plains
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$30,286,392	\$924,632	\$1,838,069	\$1,223,248	\$160,328	\$2,677,738	\$705,836
a. Contributing Members	3,466,767	840,049	252,142	27,230	17,620	1,208,505	226,764
b. Noncontributing Members	16,211,982	626,131	1,953,927	244,739	148,436	2,101,548	213,572
c. Annuitants	\$49,965,141	\$2,390,812	\$4,044,138	\$1,495,217	\$326,384	\$5,987,791	\$1,146,172
2. Total Actuarial Accrued Liability	45,864,221	2,049,135	2,954,597	1,339,975	312,959	4,960,710	1,138,420
3. Actuarial value of assets	\$4,100,920	\$341,677	\$1,089,541	\$155,242	\$13,425	\$1,027,081	\$7,752
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	91.8%	85.7%	73.1%	89.6%	95.9%	82.8%	99.3%
5. Funded Ratio: (3) / (2)	\$19,519,197	\$1,390,203	\$953,149	\$347,334	\$315,306	\$1,242,833	\$281,423
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement	5.50%	6.11%	9.00%	10.63%	1.61%	10.30%	7.59%
Normal Cost	1.29%	1.51%	6.98%	2.75%	0.27%	5.11%	0.18%
Prior Service	6.79%	7.62%	15.98%	13.38%	1.88%	15.41%	7.77%
Total Retirement	0.13%	0.17%	0.27%	0.28%	0.28%	0.19%	0.13%
Supplemental Death	6.92%	7.79%	16.25%	13.66%	2.16%	15.60%	7.90%
Total Rate	N/A	7.78%	N/A	12.50%	N/A	N/A	N/A
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	11.50%	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)							
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.1 years	26.0 years	26.3 years	26.0 years	24.7 years	25.8 years	23.5 years
Number of annuitants	137	8	21	5	3	19	3
Number of active contributing members	502	33	20	10	6	31	7
Number of inactive members	132	35	10	2	3	30	3
Average age of contributing members	39.2 years	45.4 years	48.0 years	49.5 years	49.5 years	42.1 years	47.2 years
Average length of service of contributing members	8.6 years	7.3 years	12.2 years	17.9 years	11.0 years	8.4 years	15.1 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$14,686,079	\$410,367,811	\$5,236,107	\$44,714	\$237,284	\$5,906,742	\$70,056,836
a. Contributing Members	3,635,391	48,937,242	713,365	22,042	69,195	591,023	7,338,170
b. Noncontributing Members	14,280,822	215,110,542	1,803,445	97,886	38,346	2,123,277	69,288,417
c. Annuitants	\$32,602,292	\$674,415,595	\$7,752,917	\$164,642	\$344,825	\$8,621,042	\$146,683,423
2. Total Actuarial Accrued Liability	27,413,374	562,197,473	7,220,635	182,502	339,519	6,610,971	121,303,638
3. Actuarial value of assets	\$5,188,918	\$112,218,122	\$532,282	(\$17,860)	\$5,306	\$2,010,071	\$25,379,785
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	84.1%	83.4%	93.1%	110.8%	98.5%	76.7%	82.7%
5. Funded Ratio: (3) / (2)	\$5,724,033	\$127,504,291	\$3,249,862	\$222,868	\$321,287	\$3,958,917	\$29,010,024
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement	10.49%	13.36%	5.93%	1.29%	4.80%	7.15%	9.31%
Normal Cost	5.54%	5.39%	1.01%	-0.50%	0.11%	3.08%	5.39%
Prior Service	16.03%	18.75%	6.94%	0.79%	4.91%	10.23%	14.70%
Total Retirement	0.00%	0.00%	0.15%	0.00%	0.24%	0.23%	0.22%
Supplemental Death	16.03%	18.75%	7.09%	0.79%	5.15%	10.46%	14.92%
Total Rate	15.83%	18.05%	N/A	N/A	N/A	9.98%	N/A
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	9.50%	7.50%	N/A	11.50%	N/A
Statutory Maximum Rate (Total Retirement Only)							
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.3 years	26.2 years	25.9 years	25.4 years	22.8 years	26.6 years	25.9 years
Number of annuitants	82	712	18	1	1	25	388
Number of active contributing members	141	2,119	91	8	8	100	538
Number of inactive members	46	692	25	7	7	46	113
Average age of contributing members	45.4 years	44.1 years	41.3 years	51.4 years	48.8 years	47.4 years	45.8 years
Average length of service of contributing members	10.5 years	12.3 years	8.5 years	2.7 years	8.2 years	8.1 years	12.9 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Port Isabel	Port Lavaca	Port Neches	Portland	Post	Poteet	Poth
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$2,216,404	\$3,499,668	\$17,692,198	\$11,017,907	\$714,876	\$355,502	\$221,068
a. Contributing Members	366,880	1,578,311	834,856	1,455,748	101,146	252,568	11,171
b. Noncontributing Members	1,041,907	3,552,853	16,005,912	3,584,178	453,769	232,375	182,952
c. Annuitants	\$3,625,191	\$8,630,832	\$34,532,966	\$16,057,833	\$1,269,791	\$840,445	\$415,191
2. Total Actuarial Accrued Liability	3,534,710	7,633,592	32,751,432	11,263,277	963,427	1,080,349	355,324
3. Actuarial value of assets	\$90,481	\$997,240	\$1,781,334	\$4,794,856	\$306,364	(\$239,904)	\$59,867
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	97.5%	88.4%	94.8%	70.1%	75.9%	128.5%	85.6%
5. Funded Ratio: (3) / (2)	\$2,215,872	\$3,610,365	\$5,368,880	\$4,893,163	\$558,171	\$555,935	\$310,498
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	4.44%	4.10%	10.22%	8.87%	4.16%	3.08%	1.52%
Prior Service	0.24%	1.70%	2.14%	6.00%	3.86%	-2.72%	1.19%
Total Retirement	4.68%	5.80%	12.36%	14.87%	8.02%	0.36%	2.71%
Supplemental Death	0.18%	0.23%	0.00%	0.18%	0.37%	0.17%	0.21%
Total Rate	4.86%	6.03%	12.36%	15.05%	8.39%	0.53%	2.92%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	14.21%	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	9.50%	N/A	N/A	N/A	9.50%	9.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	28.1 years	26.0 years	24.0 years	26.2 years	20.9 years	24.9 years	25.8 years
Number of annuitants	14	46	65	38	11	4	4
Number of active contributing members	78	91	112	117	17	22	10
Number of inactive members	56	63	12	64	6	23	2
Average age of contributing members	40.4 years	41.1 years	42.2 years	42.8 years	47.1 years	41.6 years	46.3 years
Average length of service of contributing members	7.9 years	8.0 years	15.3 years	10.8 years	10.0 years	7.4 years	6.7 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$278,177	\$301,387	\$491,120	\$268,232	\$1,370,261	\$4,416,204	\$626,053
a. Contributing Members	46,808	185,865	132,081	32,554	465,741	978,475	164,823
b. Noncontributing Members	170,988	221,842	91,945	4,973	1,328,263	98,628	30,403
c. Annuitants	\$495,973	\$709,094	\$715,146	\$305,759	\$3,164,265	\$5,493,307	\$821,279
2. Total Actuarial Accrued Liability	\$75,157	\$822,937	\$777,184	\$384,057	\$2,940,847	\$4,072,790	\$911,422
3. Actuarial value of assets	(\$79,184)	(\$113,843)	(\$62,038)	(\$78,298)	\$223,418	\$1,420,517	(\$90,143)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	116.0%	116.1%	108.7%	125.6%	92.9%	74.1%	111.0%
5. Funded Ratio: (3) / (2)	\$750,686	\$518,873	\$1,241,426	\$434,970	\$1,482,362	\$4,232,729	\$263,598
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	0.66%	1.67%	0.71%	1.94%	7.25%	7.99%	8.61%
Prior Service	-0.66%	-1.38%	-0.31%	-1.13%	0.92%	2.32%	-2.15%
Total Retirement	0.00%	0.29%	0.40%	0.81%	8.17%	10.31%	6.46%
Supplemental Death	0.15%	0.23%	0.16%	0.16%	0.12%	0.00%	0.36%
Total Rate	0.15%	0.52%	0.56%	0.97%	8.29%	10.31%	6.82%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	7.50%	N/A	7.50%	13.50%	13.50%	9.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.3 years	25.0 years	25.6 years	25.1 years	26.3 years	21.5 years	25.0 years
Number of annuitants	5	6	4	1	8	4	3
Number of active contributing members	20	19	34	16	33	71	6
Number of inactive members	15	9	25	12	24	28	3
Average age of contributing members	44.1 years	47.0 years	43.5 years	44.6 years	42.2 years	38.7 years	61.0 years
Average length of service of contributing members	8.1 years	7.8 years	6.4 years	7.2 years	5.7 years	6.5 years	16.4 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Quannah	Queen City	Quinlan	Quintana	Quitaque	Quitman	Ralls
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$1,160,869	\$181,655	\$66,898	\$8,557	\$130,651	\$1,423,254	\$360,576
a. Contributing Members	48,974	180,607	43,432	22,138	0	143,479	211,709
b. Noncontributing Members	1,261,458	0	100,871	0	0	1,295,705	752,803
c. Annuitants	\$2,471,301	\$362,262	\$211,201	\$30,695	\$130,651	\$2,862,438	\$1,325,088
2. Total Actuarial Accrued Liability	2,160,656	421,680	215,664	32,834	111,421	2,720,813	1,219,419
3. Actuarial value of assets	\$310,645	(\$59,418)	(\$2,463)	(\$2,139)	\$19,230	\$141,625	\$105,669
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	87.4%	116.4%	101.2%	107.0%	85.3%	95.1%	92.0%
5. Funded Ratio: (3) / (2)	\$521,303	\$389,777	\$244,841	\$97,122	\$79,341	\$768,267	\$406,831
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	8.71%	1.73%	2.58%	0.75%	3.75%	7.77%	4.83%
Prior Service	3.64%	-0.96%	-0.06%	-0.14%	1.70%	1.16%	1.62%
Total Retirement	12.35%	0.77%	2.52%	0.61%	5.45%	8.93%	6.45%
Supplemental Death	0.46%	0.17%	0.15%	0.08%	0.28%	0.19%	0.27%
Total Rate	12.81%	0.94%	2.67%	0.69%	5.73%	9.12%	6.72%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	7.50%	N/A	N/A	11.50%	9.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	26.3 years	25.0 years	27.4 years	24.6 years	21.0 years	25.0 years	25.4 years
Number of active contributing members	10	0	3	0	0	12	7
Number of inactive members	17	13	6	2	3	20	13
Average age of contributing members	3	18	10	2	0	8	13
Average length of service of contributing members	51.1 years	44.5 years	39.9 years	40.9 years	57.8 years	43.5 years	44.3 years
	13.3 years	4.6 years	3.7 years	2.0 years	18.4 years	9.9 years	5.4 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$1,461,537	\$783,118	\$312,791	\$692,097	\$2,938,017	\$2,483,359	\$37,594
a. Contributing Members	93,161	272,660	0	0	316,106	879,947	67,766
b. Noncontributing Members	175,030	220,403	198,074	152,387	3,788,476	339,390	0
c. Annuitants	\$1,729,728	\$1,276,181	\$510,865	\$844,484	\$7,042,599	\$3,702,696	\$105,360
2. Total Actuarial Accrued Liability	1,672,104	1,163,928	538,330	494,543	7,771,939	3,324,150	\$7,739
3. Actuarial value of assets	\$57,624	\$112,253	(\$27,465)	\$349,941	(\$729,340)	\$378,546	\$17,621
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	96.7%	91.2%	105.4%	58.6%	110.4%	89.8%	83.3%
5. Funded Ratio: (3) / (2)	\$426,688	\$628,260	\$174,110	\$460,472	\$1,910,357	\$3,751,390	\$194,615
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	8.23%	7.25%	3.58%	3.88%	5.49%	2.83%	1.88%
Prior Service	0.79%	1.09%	-0.99%	4.66%	-2.40%	0.70%	0.64%
Total Retirement	9.02%	8.34%	2.59%	8.54%	3.09%	3.53%	2.52%
Supplemental Death	0.12%	0.00%	0.28%	0.15%	0.27%	0.11%	0.15%
Total Rate	9.14%	8.34%	2.87%	8.69%	3.36%	3.64%	2.67%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	12.50%	7.50%	N/A	15.50%	12.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	28.4 years	26.4 years	25.1 years	26.1 years	25.1 years	21.4 years	20.8 years
Number of active contributing members	1	4	2	1	40	7	0
Number of inactive members	9	24	4	11	67	75	6
Average age of contributing members	7	51	0	0	13	52	5
Average length of service of contributing members	37.3 years	41.9 years	53.3 years	46.2 years	44.4 years	39.6 years	47.7 years
	12.4 years	4.6 years	16.7 years	11.4 years	9.7 years	7.5 years	2.2 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Reno (Parker County)	Reno (Lamar County)	Reklaw	Refugio	Richard Hills	Richland Springs	Richmond	Richwood	Riesel	Rio Grande City	Rio Vista	Richardson
SUMMARY OF ACTUARIAL INFORMATION												
1. Actuarial Accrued Liability	\$61,270	\$328,770	\$441,216	\$425,548								\$189,293,119
a. Contributing Members	27,340	91,808	239,742	124,100								30,473,638
b. Noncontributing Members	2,486		148,276	1,013,584								157,423,824
c. Annuitants	\$91,096	\$420,578	\$829,234	\$1,563,232								\$377,190,581
2. Total Actuarial Accrued Liability	131,632	543,842	623,865	1,950,051								335,735,994
3. Actuarial value of assets	(\$40,536)	(\$123,264)	\$205,369	(\$386,819)								\$41,454,587
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	144.5%	129.3%	75.2%	124.7%								89.0%
5. Funded Ratio: (3) / (2)	\$381,960	\$470,163	\$227,950	\$868,444								\$62,244,714
6. Annual Payroll												
CITY CONTRIBUTION RATES FOR 2013												
Retirement												
Normal Cost	1.57%	4.12%	9.60%	1.13%					1.86%	0.94%		10.53%
Prior Service	-0.67%	-1.65%	5.70%	-1.13%					0.95%	-0.94%		4.08%
Total Retirement	0.90%	2.47%	15.30%	0.00%					2.81%	0.00%		14.61%
Supplemental Death	0.12%	0.10%	0.29%	0.00%					0.18%	0.12%		0.00%
Total Rate	1.02%	2.57%	15.59%	0.00%					2.99%	0.12%		14.61%
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	11.50%	N/A	7.50%					13.50%	7.50%		N/A
ADDITIONAL INFORMATION												
GASB 25 Equivalent Single Amortization Period as of 1/2013	24.9 years	25.0 years	24.8 years	-100.0 years					21.0 years	36.8 years		26.2 years
Number of annuitants	1	0	3	18					2	0		485
Number of active contributing members	11	11	6	28					14	6		969
Number of inactive members	17	4	4	3					20	5		297
Average age of contributing members	40.2 years	43.6 years	49.8 years	44.0 years					42.1 years	43.6 years		44.1 years
Average length of service of contributing members	4.9 years	8.3 years	9.6 years	6.6 years					9.2 years	4.3 years		13.8 years
SUMMARY OF ACTUARIAL INFORMATION												
1. Actuarial Accrued Liability	\$1,706,141	\$15,991,868	\$27,454	\$11,985,380					\$138,798	\$4,017,703		\$256,312
a. Contributing Members	265,810	7,851,880	31	4,226,349					30,365	826,740		37,553
b. Noncontributing Members	720,227	7,851,880	150,236	7,424,627					56,007	287,884		202,108
c. Annuitants	\$2,692,178	\$26,672,405	\$177,721	\$23,636,356					\$225,170	\$5,132,327		\$495,973
2. Total Actuarial Accrued Liability	2,065,563	23,165,029	196,459	19,416,364					87,008	3,431,264		316,310
3. Actuarial value of assets	\$626,615	\$3,507,376	(\$18,738)	\$4,219,992					\$138,162	\$1,701,063		\$179,663
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	76.7%	86.9%	110.5%	82.1%					38.6%	66.9%		63.8%
5. Funded Ratio: (3) / (2)	\$827,869	\$6,492,961	\$14,242	\$4,129,730					\$279,408	\$4,075,935		\$306,176
6. Annual Payroll												
CITY CONTRIBUTION RATES FOR 2013												
Retirement												
Normal Cost	6.88%	11.19%	13.60%	11.50%					1.59%	5.56%		1.31%
Prior Service	4.60%	3.30%	8.28%	6.26%					3.47%	2.55%		4.12%
Total Retirement	11.48%	14.49%	5.32%	17.76%					5.06%	8.11%		5.43%
Supplemental Death	0.19%	0.15%	1.31%	0.24%					5.17%	0.10%		0.23%
Total Rate	11.67%	14.64%	6.63%	18.00%					10.23%	8.21%		5.66%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	11.63%	14.39%	N/A	17.91%					N/A	N/A		N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	N/A					N/A	N/A		N/A
ADDITIONAL INFORMATION												
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.5 years	26.3 years	25.0 years	26.2 years					21.0 years	26.3 years		21.0 years
Number of annuitants	8	32	1	61					1	7		3
Number of active contributing members	20	135	1	75					8	116		6
Number of inactive members	13	68	1	86					5	63		9
Average age of contributing members	45.6 years	43.1 years	68.0 years	46.2 years					39.8 years	39.3 years		44.5 years
Average length of service of contributing members	12.0 years	11.2 years	19.1 years	11.8 years					5.4 years	6.8 years		11.7 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Rising Star	River Oaks	Romanke	Robert Lee	Robinson	Robstown	Robstown Utility Systems
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$22,234	\$5,708,198	\$11,212,745	\$6,182	\$5,039,159	\$6,095,705	\$5,438,830
a. Contributing Members	75,422	737,905	2,216,903	4,196	537,670	1,154,324	1,173,303
b. Noncontributing Members	0	3,826,757	1,443,843	75,922	699,709	3,107,896	4,723,784
c. Annuitants	\$97,656	\$10,272,860	\$14,873,491	\$141,939	\$6,276,538	\$10,357,925	\$11,335,917
2. Total Actuarial Accrued Liability	157,494	8,176,487	11,078,560	86,231	4,610,555	9,630,121	8,601,402
3. Actuarial value of assets	(\$59,838)	\$2,096,373	\$3,794,931	\$55,708	\$1,665,983	\$727,804	\$2,734,515
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	161.3%	79.6%	74.5%	60.8%	73.9%	93.0%	75.9%
5. Funded Ratio: (3) / (2)	\$194,040	\$2,272,452	\$6,825,529	\$129,534	\$2,453,794	\$4,356,584	\$2,121,718
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	1.42%	11.45%	9.18%	1.70%	7.40%	5.47%	8.96%
Prior Service	-1.42%	5.64%	3.38%	3.03%	4.09%	1.03%	7.90%
Total Retirement	0.00%	17.09%	12.56%	4.75%	11.49%	6.50%	16.86%
Supplemental Death	0.18%	0.28%	0.00%	0.18%	0.14%	0.15%	0.21%
Total Rate	0.18%	17.37%	12.56%	4.91%	11.63%	6.65%	17.07%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	16.85%	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	13.50%	N/A	13.50%	9.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	48.0 years	26.3 years	26.5 years	20.9 years	26.9 years	25.9 years	26.1 years
Number of annuitants	0	39	14	2	10	31	32
Number of active contributing members	5	60	114	6	63	101	48
Number of inactive members	8	24	51	1	23	54	25
Average age of contributing members	46.6 years	44.6 years	40.0 years	44.4 years	41.2 years	39.2 years	41.1 years
Average length of service of contributing members	3.5 years	9.4 years	9.0 years	5.1 years	9.8 years	8.1 years	12.4 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$70,693	\$1,933,954	\$12,234,739	\$333,436	\$38,964,602	\$541,900	\$491,085
a. Contributing Members	97,397	347,078	1,104,286	11,821	4,765,504	41,884	438,435
b. Noncontributing Members	433,689	1,065,284	6,526,764	17,297	11,289,627	118,043	253,608
c. Annuitants	\$601,779	\$3,346,316	\$19,865,789	\$362,554	\$55,019,733	\$701,827	\$1,183,128
2. Total Actuarial Accrued Liability	641,524	2,381,576	16,183,038	\$352,628	40,528,030	551,111	1,193,886
3. Actuarial value of assets	(\$39,745)	\$964,740	\$3,682,751	\$9,926	\$14,491,703	\$150,716	(\$10,758)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	106.6%	71.2%	81.5%	97.3%	73.7%	78.5%	100.9%
5. Funded Ratio: (3) / (2)	\$92,378	\$1,635,846	\$4,582,840	\$161,011	\$15,680,566	\$322,581	\$557,577
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	4.02%	6.13%	10.46%	2.40%	10.76%	3.56%	5.15%
Prior Service	-2.71%	3.63%	4.90%	0.43%	5.66%	2.85%	-0.12%
Total Retirement	1.31%	9.76%	15.36%	2.83%	16.42%	6.41%	5.03%
Supplemental Death	0.52%	0.21%	0.25%	0.00%	0.12%	0.00%	0.16%
Total Rate	1.83%	9.97%	15.61%	2.83%	16.54%	6.41%	5.19%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	9.95%	15.51%	N/A	16.09%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	11.50%	15.50%	N/A	N/A	N/A	12.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.0 years	26.0 years	26.4 years	21.2 years	26.2 years	26.4 years	25.5 years
Number of annuitants	3	20	40	1	53	3	4
Number of active contributing members	2	44	114	6	249	10	12
Number of inactive members	6	22	38	3	64	8	15
Average age of contributing members	48.7 years	44.8 years	46.4 years	45.4 years	41.6 years	50.1 years	40.7 years
Average length of service of contributing members	9.4 years	8.8 years	10.5 years	12.7 years	11.7 years	13.4 years	6.6 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$70,693	\$1,933,954	\$12,234,739	\$333,436	\$38,964,602	\$541,900	\$491,085
a. Contributing Members	97,397	347,078	1,104,286	11,821	4,765,504	41,884	438,435
b. Noncontributing Members	433,689	1,065,284	6,526,764	17,297	11,289,627	118,043	253,608
c. Annuitants	\$601,779	\$3,346,316	\$19,865,789	\$362,554	\$55,019,733	\$701,827	\$1,183,128
2. Total Actuarial Accrued Liability	641,524	2,381,576	16,183,038	\$352,628	40,528,030	551,111	1,193,886
3. Actuarial value of assets	(\$39,745)	\$964,740	\$3,682,751	\$9,926	\$14,491,703	\$150,716	(\$10,758)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	106.6%	71.2%	81.5%	97.3%	73.7%	78.5%	100.9%
5. Funded Ratio: (3) / (2)	\$92,378	\$1,635,846	\$4,582,840	\$161,011	\$15,680,566	\$322,581	\$557,577
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	4.02%	6.13%	10.46%	2.40%	10.76%	3.56%	5.15%
Prior Service	-2.71%	3.63%	4.90%	0.43%	5.66%	2.85%	-0.12%
Total Retirement	1.31%	9.76%	15.36%	2.83%	16.42%	6.41%	5.03%
Supplemental Death	0.52%	0.21%	0.25%	0.00%	0.12%	0.00%	0.16%
Total Rate	1.83%	9.97%	15.61%	2.83%	16.54%	6.41%	5.19%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	9.95%	15.51%	N/A	16.09%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	11.50%	15.50%	N/A	N/A	N/A	12.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.0 years	26.0 years	26.4 years	21.2 years	26.2 years	26.4 years	25.5 years
Number of annuitants	3	20	40	1	53	3	4
Number of active contributing members	2	44	114	6	249	10	12
Number of inactive members	6	22	38	3	64	8	15
Average age of contributing members	48.7 years	44.8 years	46.4 years	45.4 years	41.6 years	50.1 years	40.7 years
Average length of service of contributing members	9.4 years	8.8 years	10.5 years	12.7 years	11.7 years	13.4 years	6.6 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Roma	Roscoe	Rosebud	Rosenberg	Rotan	Round Rock	Rowlett
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$6,059,641	\$249,940	\$54,744	\$24,328,603	\$200,484	\$101,447,110	\$49,496,196
b. Noncontributing Members	392,422	33,933	35,958	6,943,539	20,286	10,713,946	13,305,031
c. Annuitants	1,287,327	0	24,217	16,164,810	28,587	38,940,178	16,627,413
2. Total Actuarial Acrued Liability	\$7,739,390	\$283,873	\$114,919	\$47,436,952	\$249,357	\$151,101,234	\$79,428,640
3. Actuarial value of assets	5,995,354	299,229	121,469	36,806,979	342,928	116,942,673	68,481,440
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	\$1,744,036	(\$15,356)	(\$6,550)	\$10,629,973	(\$93,371)	\$34,158,561	\$10,947,200
5. Funded Ratio: (3) / (2)	77.5%	105.4%	105.7%	77.6%	137.5%	77.4%	86.2%
6. Annual Payroll	\$3,245,149	\$276,009	\$244,654	\$11,195,783	\$165,611	\$44,388,274	\$19,418,466
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	8.17%	2.30%	0.76%	9.20%	1.06%	11.08%	10.57%
Prior Service	3.31%	-0.35%	-0.17%	5.82%	-1.06%	4.73%	3.48%
Total Retirement	11.48%	1.95%	0.59%	15.02%	0.00%	15.81%	14.05%
Supplemental Death	0.20%	0.25%	0.30%	0.14%	0.26%	0.12%	0.00%
Total Rate	11.68%	2.20%	0.89%	15.16%	0.26%	15.93%	14.05%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	11.39%	N/A	N/A	15.04%	N/A	15.07%	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.9 years	25.0 years	24.6 years	26.1 years	100.0 years	26.0 years	25.8 years
Number of annuitants	24	0	2	103	2	172	103
Number of active contributing members	116	7	9	216	4	793	321
Number of inactive members	32	3	13	127	4	230	203
Average age of contributing members	43.8 years	53.0 years	48.5 years	40.0 years	45.9 years	41.1 years	43.2 years
Average length of service of contributing members	10.1 years	11.8 years	4.9 years	10.8 years	14.5 years	10.1 years	11.8 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$2,410,400	\$145,741	\$255,432	\$278,686	\$1,344,115	\$450,971	\$10,526,778
b. Noncontributing Members	725,380	39,112	72,714	47,063	123,751	9,617	3,392,477
c. Annuitants	678,705	0	37,224	43,091	873,687	281,164	2,645,358
2. Total Actuarial Acrued Liability	\$3,814,485	\$184,853	\$365,370	\$368,840	\$2,341,553	\$741,752	\$16,564,613
3. Actuarial value of assets	2,634,944	182,586	471,077	240,850	2,216,863	(\$16,178)	12,720,837
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	\$1,179,541	\$2,267	(\$105,707)	\$127,990	(\$124,690)	(\$16,178)	\$3,843,776
5. Funded Ratio: (3) / (2)	69.1%	98.8%	128.9%	65.3%	94.7%	102.2%	76.8%
6. Annual Payroll	\$2,151,228	\$73,391	\$567,957	\$110,748	\$1,421,336	\$406,529	\$6,600,828
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	5.57%	7.08%	1.78%	9.23%	5.44%	4.13%	7.80%
Prior Service	3.70%	0.19%	-1.17%	7.11%	0.56%	-0.25%	3.56%
Total Retirement	9.27%	7.27%	0.61%	16.34%	6.00%	3.88%	11.36%
Supplemental Death	0.15%	0.22%	0.20%	0.42%	0.19%	0.25%	0.13%
Total Rate	9.42%	7.49%	0.81%	16.76%	6.19%	4.13%	11.49%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	16.21%	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	11.50%	9.50%	N/A	10.50%	9.50%	13.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	22.3 years	26.0 years	25.1 years	26.0 years	24.4 years	25.1 years	26.3 years
Number of annuitants	11	0	2	1	14	6	28
Number of active contributing members	43	3	14	4	37	16	122
Number of inactive members	39	1	16	2	11	19	79
Average age of contributing members	42.6 years	52.5 years	46.6 years	57.1 years	43.3 years	45.2 years	42.7 years
Average length of service of contributing members	8.6 years	11.3 years	7.2 years	11.2 years	7.4 years	9.3 years	9.9 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Saginaw	Saint Joe	Salado	San Angelo	San Antonio	San Antonio Water System	San Augustine
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$17,152,800	\$57,866	\$218,070	\$78,150,236	\$518,601,219	\$83,811,613	\$1,594,629
b. Noncontributing Members	933,205	55,788	12,054	9,274,938	97,096,083	9,245,437	363,338
c. Annuitants	5,428,211	425,871	82,962	88,489,082	511,178,908	56,583,322	1,847,308
2. Total Actuarial Accrued Liability	\$23,514,216	\$539,525	\$313,086	\$175,914,256	\$1,126,876,210	\$149,640,372	\$3,805,275
3. Actuarial value of assets	14,380,219	521,659	273,244	138,043,881	1,031,748,856	125,423,557	3,220,382
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$9,133,997	\$17,866	\$39,842	\$37,870,375	\$95,127,354	\$24,216,815	\$584,893
5. Funded Ratio: (3) / (2)	61.2%	96.7%	87.3%	78.5%	91.6%	83.8%	84.6%
6. Annual Payroll	\$7,320,173	\$245,314	\$307,255	\$29,217,600	\$269,334,039	\$87,335,391	\$1,122,874
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	9.96%	3.38%	4.78%	10.97%	7.85%	2.53%	8.51%
Prior Service	7.66%	0.45%	0.88%	7.96%	2.40%	1.69%	3.20%
Total Retirement	17.62%	3.83%	5.66%	18.93%	10.25%	4.22%	11.71%
Supplemental Death	0.14%	0.21%	0.24%	0.00%	0.00%	0.00%	0.23%
Total Rate	17.76%	4.04%	5.90%	18.93%	10.25%	4.22%	11.94%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	16.86%	N/A	N/A	N/A	N/A	N/A	11.62%
Statutory Maximum Rate (Total Retirement Only)	N/A	10.50%	N/A	N/A	N/A	5.50%	13.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	26.1 years	25.8 years	22.1 years	26.1 years	22.1 years	26.4 years	26.0 years
Number of active contributing members	35	6	3	495	3,530	870	15
Number of inactive members	141	7	4	701	5,961	1,616	36
Average age of contributing members	42	11	4	249	2,079	372	13
Average length of service of contributing members	41.6 years	37.3 years	48.5 years	42.9 years	45.7 years	45.7 years	47.3 years
	11.2 years	3.0 years	7.5 years	10.9 years	11.8 years	14.6 years	7.5 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$5,881,388	\$127,932	\$4,539,050	\$80,124,287	\$2,391,524	\$3,491,617	\$340,383
b. Noncontributing Members	1,066,362	52,957	1,563,726	14,588,717	194,157	310,062	475,330
c. Annuitants	2,122,258	0	853,775	37,187,911	1,896,542	1,320,855	400,100
2. Total Actuarial Accrued Liability	\$9,070,008	\$180,889	\$6,956,551	\$131,900,915	\$4,482,223	\$5,122,534	\$1,215,813
3. Actuarial value of assets	7,965,579	134,145	7,509,004	97,843,592	3,652,902	4,691,607	1,217,545
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,104,429	\$46,744	(\$552,453)	\$34,057,323	\$829,321	\$430,927	(\$1,732)
5. Funded Ratio: (3) / (2)	87.8%	74.2%	107.9%	74.2%	81.5%	91.6%	100.1%
6. Annual Payroll	\$5,441,621	\$156,141	\$6,994,407	\$28,944,236	\$1,626,371	\$2,711,338	\$1,070,148
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	3.67%	2.26%	1.37%	11.41%	7.04%	5.67%	3.83%
Prior Service	1.42%	2.10%	-0.50%	7.20%	3.07%	1.09%	-0.01%
Total Retirement	5.09%	4.36%	0.87%	18.61%	10.11%	6.76%	3.82%
Supplemental Death	0.19%	0.20%	0.14%	0.28%	0.10%	0.12%	0.12%
Total Rate	5.28%	4.56%	1.02%	18.75%	10.39%	6.88%	3.94%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	17.49%	10.18%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	10.50%	N/A	10.50%	12.50%	11.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	21.1 years	21.0 years	24.8 years	26.2 years	27.0 years	21.8 years	25.8 years
Number of active contributing members	37	0	29	188	19	9	9
Number of inactive members	155	4	200	517	44	54	32
Average age of contributing members	82	4	104	209	9	15	54
Average length of service of contributing members	44.9 years	54.8 years	39.5 years	42.2 years	42.9 years	41.9 years	37.9 years
	10.5 years	11.0 years	7.6 years	11.3 years	7.9 years	10.2 years	2.2 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Santa Fe	Savoy	Scherz	Schulenburg	Seabrook	Seadrift	Seagoville
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$5,301,150	\$50,659	\$25,726,546	\$5,340,592	\$18,140,010	\$272,552	\$7,337,830
a. Contributing Members	964,674	69,501	3,639,126	876,228	1,309,250	9,732	1,148,604
b. Noncontributing Members	1,807,448	39,767	5,931,208	4,121,073	7,270,224	73,380	2,358,859
c. Annuitants	\$8,073,272	\$159,927	\$35,296,880	\$10,337,893	\$26,719,484	\$355,664	\$10,845,293
2. Total Actuarial Acrued Liability	5,444,722	223,545	22,377,323	8,107,393	20,433,923	247,455	9,472,245
3. Actuarial value of assets	\$2,628,550	(\$63,618)	\$12,919,357	\$2,230,300	\$6,285,561	\$108,209	\$1,373,048
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	67.4%	139.8%	63.4%	78.4%	76.5%	69.6%	87.3%
5. Funded Ratio: (3) / (2)	\$2,913,354	\$167,515	\$13,655,059	\$1,657,612	\$5,541,798	\$350,355	\$4,174,468
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	6.90%	1.07%	9.68%	12.80%	12.51%	1.90%	7.51%
Prior Service	5.52%	-1.07%	5.81%	8.29%	7.00%	2.17%	2.30%
Total Retirement	12.45%	0.00%	15.49%	21.09%	19.51%	4.07%	9.81%
Supplemental Death	0.00%	0.18%	0.15%	0.21%	0.18%	0.14%	0.15%
Total Rate	12.45%	0.18%	15.64%	21.30%	19.69%	4.21%	9.96%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	14.93%	21.07%	18.69%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	10.50%	N/A	N/A	N/A	N/A	13.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.0 years	100.0 years	26.1 years	25.9 years	25.8 years	21.0 years	21.1 years
Number of annuitants	15	1	46	18	34	2	29
Number of active contributing members	65	6	286	39	92	8	97
Number of inactive members	42	7	131	13	25	4	56
Average age of contributing members	40.5 years	40.9 years	41.0 years	45.7 years	45.0 years	43.9 years	42.7 years
Average length of service of contributing members	9.2 years	5.6 years	8.8 years	13.7 years	12.9 years	11.7 years	10.5 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$449,168	\$5,962,176	\$28,570,069	\$6,931,264	\$5,576,626	\$223,419	\$1,400,432
a. Contributing Members	93,315	2,498,155	4,729,033	464,896	1,525,553	292,424	380,905
b. Noncontributing Members	1,156,706	1,505,517	22,439,474	1,607,532	4,643,824	435,401	1,586,957
c. Annuitants	\$1,699,189	\$9,965,848	\$55,738,576	\$9,003,692	\$11,746,003	\$951,244	\$3,368,314
2. Total Actuarial Acrued Liability	1,323,725	7,429,800	48,166,235	7,175,608	9,799,348	1,168,133	2,898,164
3. Actuarial value of assets	\$375,464	\$2,536,048	\$7,572,341	\$1,828,084	\$1,946,655	(\$216,889)	\$470,150
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	77.9%	74.6%	86.4%	79.7%	83.4%	122.8%	86.0%
5. Funded Ratio: (3) / (2)	\$411,220	\$2,713,696	\$14,044,570	\$3,730,458	\$2,325,583	\$560,224	\$974,381
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	6.59%	9.99%	6.59%	9.83%	10.32%	5.51%	5.28%
Prior Service	5.59%	5.73%	3.81%	3.02%	5.16%	-2.44%	2.96%
Total Retirement	12.18%	15.72%	10.40%	12.85%	15.48%	3.07%	8.24%
Supplemental Death	0.31%	0.15%	0.12%	0.25%	0.15%	0.16%	0.27%
Total Rate	12.49%	15.87%	10.59%	12.97%	15.73%	3.23%	8.51%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	11.84%	15.13%	N/A	12.83%	N/A	3.12%	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	N/A	N/A	13.50%	8.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.2 years	26.1 years	20.8 years	25.9 years	25.9 years	24.9 years	26.1 years
Number of annuitants	11	13	170	9	25	6	22
Number of active contributing members	12	52	307	72	55	21	29
Number of inactive members	20	31	116	21	44	21	15
Average age of contributing members	37.4 years	42.6 years	43.1 years	40.2 years	40.3 years	41.4 years	44.0 years
Average length of service of contributing members	5.8 years	10.6 years	10.9 years	8.7 years	7.6 years	2.7 years	10.2 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$223,419	\$5,962,176	\$28,570,069	\$6,931,264	\$5,576,626	\$223,419	\$1,400,432
a. Contributing Members	292,424	1,505,517	22,439,474	1,607,532	4,643,824	435,401	1,586,957
b. Noncontributing Members	\$951,244	\$9,965,848	\$55,738,576	\$9,003,692	\$11,746,003	\$951,244	\$3,368,314
c. Annuitants	\$1,168,133	\$7,429,800	\$48,166,235	\$7,175,608	\$9,799,348	\$1,168,133	\$2,898,164
2. Total Actuarial Acrued Liability	(\$216,889)	\$2,536,048	\$7,572,341	\$1,828,084	\$1,946,655	(\$216,889)	\$470,150
3. Actuarial value of assets	\$560,224	\$2,713,696	\$14,044,570	\$3,730,458	\$2,325,583	\$560,224	\$974,381
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	5.51%	74.6%	86.4%	79.7%	83.4%	122.8%	86.0%
5. Funded Ratio: (3) / (2)	8.24%	15.87%	10.59%	12.97%	15.73%	3.23%	8.51%
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	5.28%	9.99%	6.59%	9.83%	10.32%	5.51%	5.28%
Prior Service	2.96%	5.73%	3.81%	3.02%	5.16%	-2.44%	2.96%
Total Retirement	8.24%	15.72%	10.40%	12.85%	15.48%	3.07%	8.24%
Supplemental Death	0.27%	0.15%	0.12%	0.25%	0.15%	0.16%	0.27%
Total Rate	8.51%	15.87%	10.59%	12.97%	15.73%	3.23%	8.51%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	15.13%	N/A	12.83%	N/A	3.12%	N/A
Statutory Maximum Rate (Total Retirement Only)	8.50%	N/A	N/A	N/A	N/A	13.50%	8.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.1 years	26.1 years	20.8 years	25.9 years	25.9 years	24.9 years	26.1 years
Number of annuitants	11	13	170	9	25	6	22
Number of active contributing members	12	52	307	72	55	21	29
Number of inactive members	20	31	116	21	44	21	15
Average age of contributing members	37.4 years	42.6 years	43.1 years	40.2 years	40.3 years	41.4 years	44.0 years
Average length of service of contributing members	5.8 years	10.6 years	10.9 years	8.7 years	7.6 years	2.7 years	10.2 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Smithville	Smyer	Snyder	Somerset	Somerville	Suomena	Suur Lake
SUMMARY OF ACTUARIAL INFORMATION 1. Actuarial Accrued Liability a. Contributing Members b. Noncontributing Members c. Annuitants 2. Total Actuarial Accrued Liability 3. Actuarial value of assets 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) 5. Funded Ratio: (3) / (2) 6. Annual Payroll	\$2,212,772	\$37,415	\$11,038,959	\$24,400	\$343,774	\$1,041,043	\$336,090
	748,574	54,281	2,129,462	45,052	179,543	506,066	155,968
	920,539	0	11,269,832	117,105	284,460	1,839,464	0
	\$3,881,885	\$91,696	\$24,438,253	\$186,557	\$807,777	\$3,386,573	\$492,058
	3,341,038	111,862	20,076,542	177,964	787,486	2,925,724	585,491
	\$540,847	(\$20,166)	\$4,361,711	\$8,593	\$20,291	\$460,849	(\$93,433)
\$1,915,335	\$50,618	\$3,972,707	\$279,749	\$466,819	\$1,013,848	\$520,318	
CITY CONTRIBUTION RATES FOR 2013 Retirement Normal Cost Prior Service Total Retirement Supplemental Death Total Rate Phase-In Rate (Minimum Contribution), Incl. Supplemental Death Statutory Maximum Rate (Total Retirement Only)	5.12% 1.73% 6.85% 0.19% 7.04% 6.91% 9.50%	7.30% -2.51% 4.79% 0.17% 4.96% N/A 13.50%	12.11% 6.73% 18.84% 0.24% 19.08% 18.18% N/A	1.49% 0.40% 1.89% 0.21% 2.10% N/A 9.50%	6.03% 0.25% 6.28% 0.29% 6.57% 6.52% 9.50%	6.91% 2.86% 9.77% 0.34% 10.11% N/A N/A	1.46% -1.13% 0.33% 0.18% 0.51% N/A 7.50%
ADDITIONAL INFORMATION GASB 25 Equivalent Single Amortization Period as of 1/2013 Number of annuitants Number of active contributing members Number of inactive members Average age of contributing members Average length of service of contributing members	26.2 years 19 56 40 45.9 years 8.8 years	25.0 years 0 1 1 55.5 years 14.5 years	26.1 years 41 85 37 44.9 years 10.6 years	9.2 years 5 11 11 38.3 years 1.2 years	29.3 years 6 13 13 49.2 years 7.3 years	25.0 years 23 27 17 45.1 years 7.3 years	25.0 years 0 14 23 44.4 years 8.0 years
SUMMARY OF ACTUARIAL INFORMATION 1. Actuarial Accrued Liability a. Contributing Members b. Noncontributing Members c. Annuitants 2. Total Actuarial Accrued Liability 3. Actuarial value of assets 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) 5. Funded Ratio: (3) / (2) 6. Annual Payroll	\$9,546,998	\$13,845,757	\$35,543,793	\$2,262,599	\$885,566	\$4,884,139	\$1,411,816
	1,222,865	2,740,420	8,509,759	82,268	460,756	724,201	738,291
	6,531,687	3,288,977	11,570,664	919,989	3,353,075	2,060,842	502,241
	\$17,301,550	\$19,875,154	\$55,624,216	\$3,264,856	\$4,699,397	\$7,669,182	\$2,672,348
	14,783,790	17,287,878	46,290,272	2,700,885	4,052,609	7,362,991	2,521,820
	\$2,517,760	\$2,087,276	\$9,333,944	\$563,971	\$646,788	\$306,191	\$150,528
\$4,590,700	\$6,864,584	\$17,222,611	\$984,011	\$694,509	\$2,064,945	\$1,446,805	
CITY CONTRIBUTION RATES FOR 2013 Retirement Normal Cost Prior Service Total Retirement Supplemental Death Total Rate Phase-In Rate (Minimum Contribution), Incl. Supplemental Death Statutory Maximum Rate (Total Retirement Only)	9.25% 3.37% 12.62% 0.21% 12.83% 11.78% 11.50%	11.03% 1.85% 12.88% 0.15% 13.03% 12.33% 13.50%	8.70% 3.32% 12.02% 0.12% 12.14% N/A 13.50%	8.69% 3.40% 12.09% 0.26% 12.35% N/A N/A	7.35% 5.72% 13.07% 0.17% 13.24% 13.18% 13.50%	6.19% 0.93% 7.12% 0.26% 7.38% N/A N/A	8.06% 0.63% 8.69% 0.15% 8.84% N/A 13.50%
ADDITIONAL INFORMATION GASB 25 Equivalent Single Amortization Period as of 1/2013 Number of annuitants Number of active contributing members Number of inactive members Average age of contributing members Average length of service of contributing members	26.0 years 50 109 50 45.6 years 10.9 years	26.5 years 25 154 59 43.2 years 9.1 years	26.2 years 66 278 125 41.2 years 10.8 years	27.7 years 9 19 7 45.1 years 12.2 years	26.1 years 18 24 27 42.6 years 5.6 years	25.2 years 11 37 18 48.6 years 15.6 years	26.7 years 9 38 36 43.7 years 6.6 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Spur	Stafford	Stamford	Stanton	Star Harbor	Stephenville	Sterling City
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$292,470	\$13,371,672	\$751,259	\$1,332,132	\$214,597	\$17,851,488	\$201,071
b. Noncontributing Members	213,552	2,735,055	259,855	287,598	284,313	2,447,960	18,524
c. Annuitants	0	10,956,923	1,739,427	361,328	116,452	10,168,036	87,806
2. Total Actuarial Acrued Liability	\$506,022	\$27,063,650	\$2,750,541	\$1,981,058	\$615,362	\$30,467,484	\$307,401
3. Actuarial value of assets	\$09,436	\$3,228,418	\$2,573,971	\$1,777,714	\$50,464	\$25,554,817	\$37,769
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	(\$3,414)	\$3,835,232	\$176,570	\$203,344	\$64,898	\$4,912,667	(\$30,368)
5. Funded Ratio: (3) / (2)	100.7%	85.8%	93.6%	89.7%	83.9%	83.9%	109.9%
6. Annual Payroll	\$304,118	\$6,104,220	\$830,032	\$810,785	\$139,324	\$6,268,927	\$183,157
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.62%	11.67%	4.72%	5.84%	9.83%	10.93%	2.26%
Prior Service	-0.07%	3.85%	1.30%	1.55%	2.88%	4.82%	-1.04%
Total Retirement	2.55%	15.52%	6.02%	7.39%	12.71%	15.75%	1.22%
Supplemental Death	0.15%	0.19%	0.37%	0.24%	0.56%	0.18%	0.00%
Total Rate	2.70%	15.71%	6.39%	7.63%	13.27%	15.93%	1.22%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	14.56%	N/A	N/A	12.62%	15.38%	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	9.50%	9.50%	11.50%	N/A	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	25.4 years	26.2 years	26.3 years	25.8 years	25.8 years	26.0 years	25.1 years
Number of active contributing members	0	48	20	6	4	61	3
Number of inactive members	10	122	28	18	4	139	6
Average age of contributing members	7	46	22	9	4	54	1
Average length of service of contributing members	52.3 years	43.7 years	48.7 years	43.8 years	48.5 years	43.2 years	48.0 years
	9.4 years	9.8 years	7.4 years	11.1 years	9.4 years	12.2 years	13.1 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$379,178	\$338,057	\$219,943	\$96,685,112	\$13,928,591	\$520,567	\$2,182,295
b. Noncontributing Members	723,022	163,821	10,531	12,117,205	1,943,549	671,857	576,080
c. Annuitants	214,136	493,073	265,676	24,074,112	11,035,420	997,274	992,039
2. Total Actuarial Acrued Liability	\$1,316,336	\$994,951	\$496,150	\$132,876,429	\$26,907,560	\$2,189,698	\$3,750,414
3. Actuarial value of assets	1,625,823	687,928	512,376	\$22,556,069	27,772,457	1,951,943	2,771,176
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	(\$309,487)	\$307,023	(\$16,226)	\$106,310,360	(\$864,897)	\$237,755	\$979,238
5. Funded Ratio: (3) / (2)	123.5%	69.1%	103.3%	83.0%	103.2%	89.1%	73.9%
6. Annual Payroll	\$435,674	\$525,752	\$237,253	\$37,634,988	\$6,550,881	\$558,844	\$1,413,211
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	3.33%	5.06%	2.32%	11.40%	6.54%	5.32%	9.46%
Prior Service	-3.33%	3.62%	-0.05%	3.67%	-0.83%	2.97%	4.24%
Total Retirement	0.00%	8.68%	2.27%	15.07%	5.71%	8.29%	13.70%
Supplemental Death	0.20%	0.40%	0.00%	0.13%	0.21%	0.16%	0.22%
Total Rate	0.20%	9.08%	2.27%	15.20%	5.92%	8.45%	13.92%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	14.85%	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	N/A	7.50%	N/A	N/A	N/A	12.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013							
Number of annuitants	45.7 years	25.7 years	100.0 years	26.2 years	25.1 years	21.2 years	26.2 years
Number of active contributing members	4	8	3	99	85	11	9
Number of inactive members	11	14	8	616	128	17	22
Average age of contributing members	15	22	1	193	31	13	17
Average length of service of contributing members	41.7 years	45.3 years	44.0 years	42.0 years	45.0 years	40.9 years	44.0 years
	7.1 years	6.4 years	10.4 years	11.4 years	13.6 years	5.9 years	9.2 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Sunray	Sunrise Beach Village	Sunset Valley	Surfside Beach	Sweeney	Sweetwater	T.M.R.S.
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$915,227	\$125,424	\$2,097,313	\$189,400	\$1,622,894	\$12,547,955	\$13,478,309
a. Contributing Members	180,976	20,119	674,661	145,296	181,065	1,088,942	4,012,769
b. Noncontributing Members	954,470	41,846	445,321	0	2,865,700	10,705,394	9,245,916
c. Annuitants	\$2,050,673	\$187,389	\$3,217,295	\$334,696	\$4,669,659	\$24,342,291	\$26,736,994
2. Total Actuarial Accrued Liability	1,321,787	167,508	2,710,399	391,638	3,407,239	18,398,383	20,764,916
3. Actuarial value of assets	\$728,886	\$19,881	\$506,896	(\$56,942)	\$1,262,420	\$5,943,908	\$5,972,078
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	64.5%	89.4%	84.2%	117.0%	73.0%	75.6%	77.7%
5. Funded Ratio: (3) / (2)	\$454,959	\$242,674	\$1,494,516	\$563,107	\$840,583	\$4,185,359	\$6,508,256
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	10.70%	0.00%	7.58%	1.31%	10.94%	11.60%	10.92%
Prior Service	9.85%	0.77%	2.07%	-0.64%	9.23%	8.67%	5.61%
Total Retirement	20.55%	0.77%	9.65%	0.67%	20.17%	20.27%	16.53%
Supplemental Death	0.26%	0.14%	0.12%	0.15%	0.32%	0.25%	0.15%
Total Rate	20.81%	0.91%	9.77%	0.82%	20.49%	20.52%	16.68%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	19.89%	N/A	N/A	N/A	N/A	20.11%	15.96%
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	13.50%	7.50%	N/A	N/A	15.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.0 years	13.9 years	26.3 years	24.8 years	26.0 years	26.3 years	26.3 years
Number of annuitants	8	1	3	0	17	63	19
Number of active contributing members	11	7	29	17	20	103	79
Number of inactive members	11	7	19	29	5	22	24
Average age of contributing members	38.9 years	42.0 years	41.3 years	45.1 years	46.9 years	44.3 years	45.8 years
Average length of service of contributing members	7.9 years	10.6 years	8.3 years	4.3 years	8.4 years	11.9 years	10.7 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$505,396	\$1,071,175	\$114,646	\$10,971,614	\$777,720	\$66,299,999	\$171,835
a. Contributing Members	379,521	54,321	57,468	2,314,510	576,058	11,486,106	50,169
b. Noncontributing Members	742,322	567,519	126,731	7,142,991	926,756	60,826,852	34,726
c. Annuitants	\$1,627,239	\$1,693,015	\$298,845	\$20,429,115	\$2,280,534	\$138,612,957	\$256,730
2. Total Actuarial Accrued Liability	1,643,802	2,099,164	255,196	15,417,297	1,932,984	110,135,037	268,204
3. Actuarial value of assets	(\$16,563)	(\$406,149)	\$43,649	\$5,017,818	\$347,550	\$28,477,920	(\$11,474)
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	101.0%	124.0%	85.4%	75.4%	84.8%	79.5%	104.5%
5. Funded Ratio: (3) / (2)	\$1,288,649	\$513,296	\$292,797	\$6,223,365	\$972,673	\$26,260,983	\$207,351
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	3.40%	5.59%	1.31%	7.82%	6.83%	11.17%	2.58%
Prior Service	-0.08%	-4.98%	1.04%	4.96%	2.20%	6.64%	-0.35%
Total Retirement	3.32%	0.61%	2.35%	12.78%	9.03%	17.81%	2.23%
Supplemental Death	0.30%	0.32%	0.16%	0.21%	0.29%	0.19%	0.30%
Total Rate	3.62%	0.93%	2.51%	12.99%	9.32%	18.00%	2.53%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	12.91%	8.57%	17.70%	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	11.50%	7.50%	N/A	13.50%	N/A	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.5 years	25.0 years	21.2 years	26.0 years	25.9 years	26.2 years	24.8 years
Number of annuitants	9	7	5	60	17	290	2
Number of active contributing members	43	16	8	126	28	617	6
Number of inactive members	47	2	11	87	21	317	4
Average age of contributing members	41.0 years	45.4 years	44.4 years	43.5 years	44.2 years	43.0 years	51.8 years
Average length of service of contributing members	4.7 years	12.5 years	5.5 years	10.7 years	5.7 years	10.0 years	8.1 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Terrell	Terrell Hills	Tex Municipal League IEBP	Tex Municipal League IRP	Tevarkana	Tevarkana Police Dept	Tevarkana Water Utilities
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$20,967,121	\$3,853,577	\$10,912,795	\$66,396,318	\$15,735,729	\$16,067,096	\$17,199,726
a. Contributing Members	1,551,322	1,830,769	3,670,344	3,791,456	5,555,779	2,451,055	1,202,924
b. Noncontributing Members	16,449,399	3,152,045	7,070,044	7,040,018	19,052,504	16,648,180	11,620,009
c. Annuitants	\$38,967,842	\$8,836,391	\$15,290,383	\$77,227,792	\$40,344,012	\$35,166,331	\$30,022,659
2. Total Actuarial Acrued Liability	30,688,705	7,390,089	17,252,247	65,688,663	33,170,614	28,124,543	22,638,642
3. Actuarial value of assets	\$8,279,137	\$1,446,302	(\$1,961,864)	\$11,539,129	\$7,173,398	\$7,041,788	\$7,384,017
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	78.8%	83.6%	112.8%	85.1%	82.2%	80.0%	75.4%
5. Funded Ratio: (3) / (2)	\$8,240,131	\$2,181,130	\$8,265,300	\$20,279,867	\$8,243,901	\$5,535,220	\$6,527,197
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	11.51%	8.52%	5.18%	12.69%	10.46%	11.59%	11.70%
Prior Service	6.14%	4.09%	-1.39%	3.47%	5.33%	7.78%	6.93%
Total Retirement	17.65%	12.61%	3.79%	16.16%	15.79%	19.37%	18.63%
Supplemental Death	0.17%	0.13%	0.17%	0.19%	0.00%	0.00%	0.00%
Total Rate	17.82%	12.74%	3.96%	16.35%	15.79%	19.37%	18.63%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	17.26%	12.72%	N/A	N/A	15.34%	N/A	18.55%
Statutory Maximum Rate (Total Retirement Only)	N/A	12.50%	12.50%	N/A	15.50%	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.3 years	25.9 years	28.3 years	26.4 years	26.2 years	26.3 years	26.2 years
Number of annuitants	93	19	10	26	130	81	81
Number of active contributing members	155	46	120	237	221	94	153
Number of inactive members	37	38	59	40	92	30	27
Average age of contributing members	42.6 years	36.9 years	47.8 years	48.4 years	45.5 years	37.9 years	44.9 years
Average length of service of contributing members	11.3 years	8.8 years	9.4 years	13.6 years	9.1 years	12.1 years	11.2 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$45,378,157	\$6,752,063	\$24,979	\$35,054,470	\$92,946	\$338,190	\$2,287,154
a. Contributing Members	5,462,886	2,016,671	99	8,431,232	0	44,891	274,142
b. Noncontributing Members	61,410,905	6,157,228	15,413	13,882,254	0	44,898	655,854
c. Annuitants	\$112,251,948	\$14,925,962	\$40,491	\$57,367,956	\$92,946	\$427,979	\$3,217,150
2. Total Actuarial Acrued Liability	92,699,847	12,702,563	51,702	48,476,592	83,898	468,629	2,977,483
3. Actuarial value of assets	\$19,552,101	\$2,223,399	(\$11,211)	\$8,891,364	\$9,048	(\$40,650)	\$239,667
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	82.6%	85.1%	127.7%	84.5%	90.3%	109.5%	92.6%
5. Funded Ratio: (3) / (2)	\$19,071,625	\$2,423,057	\$24,739	\$16,308,243	\$112,421	\$300,133	\$1,357,643
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	11.55%	10.51%	3.33%	8.89%	2.59%	4.93%	4.90%
Prior Service	6.27%	5.62%	-2.85%	3.33%	0.56%	-0.85%	1.08%
Total Retirement	17.82%	16.13%	0.48%	12.22%	3.15%	4.08%	5.98%
Supplemental Death	0.00%	0.18%	0.35%	0.14%	0.34%	0.18%	0.20%
Total Rate	17.82%	16.31%	0.83%	12.36%	3.49%	4.26%	6.18%
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	7.50%	N/A	N/A	7.50%	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.2 years	26.2 years	25.0 years	26.3 years	21.3 years	25.1 years	26.2 years
Number of annuitants	258	17	1	97	0	2	6
Number of active contributing members	411	28	2	280	3	9	38
Number of inactive members	188	20	1	142	0	5	12
Average age of contributing members	42.1 years	46.8 years	51.9 years	42.0 years	55.4 years	48.8 years	49.0 years
Average length of service of contributing members	9.4 years	14.0 years	7.5 years	10.6 years	10.9 years	9.3 years	11.9 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Throckmorton	Tiki Island	Timpson	Tioga	Tolar	Tom Bean	Tomball
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$123,341	\$260,001	\$412,045	\$123,969	\$238,806	\$57,434	\$13,910,656
b. Noncontributing Members	199,882	14,872	20,147	13,379	13,681	32,693	3,011,533
c. Annuitants	265,311	0	128,348	0	0	68,064	8,115,962
2. Total Actuarial Acrued Liability	\$588,534	\$274,873	\$560,540	\$137,348	\$252,487	\$158,191	\$23,038,151
3. Actuarial value of assets	\$45,327	233,171	\$37,771	194,238	227,565	154,888	19,902,858
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	\$43,207	\$41,702	\$22,769	(\$56,890)	\$24,922	\$3,303	\$3,135,293
5. Funded Ratio: (3) / (2)	92.7%	84.8%	95.9%	141.4%	90.1%	97.9%	79.5%
6. Annual Payroll	\$138,693	\$383,779	\$381,689	\$197,605	\$233,350	\$197,831	\$7,677,093
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	3.76%	1.59%	2.60%	1.63%	5.06%	1.12%	8.95%
Prior Service	1.95%	0.72%	0.37%	-1.63%	0.81%	0.12%	4.10%
Total Retirement	5.71%	2.31%	2.97%	0.00%	5.87%	1.24%	13.05%
Supplemental Death	0.30%	0.22%	0.23%	0.16%	0.16%	0.12%	0.18%
Total Rate	6.01%	2.53%	3.20%	0.16%	6.03%	1.36%	13.23%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	N/A	7.50%	7.50%	N/A	7.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.2 years	23.0 years	25.6 years	30.1 years	18.7 years	20.3 years	26.2 years
Number of annuitants	4	0	5	0	0	1	43
Number of active contributing members	5	8	10	6	5	6	141
Number of inactive members	6	3	4	8	3	9	41
Average age of contributing members	39.9 years	46.7 years	44.5 years	42.7 years	52.2 years	42.0 years	43.9 years
Average length of service of contributing members	8.1 years	8.4 years	8.5 years	7.6 years	10.2 years	4.5 years	9.9 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability							
a. Contributing Members	\$81,246	\$28,510	\$229,926	\$191,580	\$7,423,970	\$293,384	\$117,335
b. Noncontributing Members	0	91,785	12,840	152,326	2,839,536	253,283	28,500
c. Annuitants	14,060	169,078	191,952	383,595	2,421,785	325,485	212,754
2. Total Actuarial Acrued Liability	\$95,306	\$289,373	\$434,718	\$727,501	\$12,685,291	\$872,152	\$358,389
3. Actuarial value of assets	94,982	291,034	\$351,696	760,296	8,701,754	762,994	402,351
4. Unfunded/(overfunded) actuarial acrued liability: (2) - (3)	\$324	(\$1,661)	\$83,022	(\$32,795)	\$3,983,537	\$109,158	(\$43,962)
5. Funded Ratio: (3) / (2)	99.7%	100.6%	80.9%	104.5%	68.6%	87.5%	112.5%
6. Annual Payroll	\$69,296	\$147,838	\$241,890	\$727,325	\$4,592,473	\$742,516	\$315,343
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	4.36%	3.73%	2.80%	1.60%	8.62%	2.55%	1.66%
Prior Service	1.04%	-0.07%	2.41%	-0.28%	5.31%	0.86%	-0.88%
Total Retirement	5.40%	3.66%	5.21%	1.32%	13.93%	3.41%	0.78%
Supplemental Death	0.38%	0.25%	0.35%	0.15%	0.13%	0.27%	0.37%
Total Rate	5.78%	3.91%	5.56%	1.47%	14.06%	3.68%	1.15%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	9.50%	7.50%	7.50%	N/A	9.50%	7.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	0.5 years	25.4 years	21.0 years	25.6 years	26.2 years	28.4 years	24.9 years
Number of annuitants	1	1	5	6	16	8	8
Number of active contributing members	2	4	7	27	78	21	9
Number of inactive members	0	9	3	30	58	14	5
Average age of contributing members	56.7 years	45.4 years	52.8 years	41.0 years	41.3 years	40.6 years	43.0 years
Average length of service of contributing members	15.0 years	2.7 years	10.6 years	4.2 years	9.2 years	5.2 years	4.4 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Tullia	Turkey	Tye	Tyler	Universal City	University Park	Uvalde
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$3,660,243	\$27,783	\$185,260	\$88,458,230	\$13,092,527	\$42,889,659	\$5,093,931
a. Contributing Members	725,701	25,992	33,298	12,835,133	2,068,871	4,145,204	1,528,873
b. Noncontributing Members	2,789,686	162,719	259,073	73,975,006	3,917,767	19,327,926	5,467,508
c. Annuitants	\$7,175,630	\$216,494	\$477,631	\$175,268,369	\$19,079,165	\$66,362,789	\$12,090,312
2. Total Actuarial Acrued Liability	6,459,506	148,147	376,761	124,746,743	13,793,704	68,455,936	10,340,208
3. Actuarial value of assets	\$716,124	\$68,347	\$100,870	\$50,521,626	\$5,285,461	(\$2,093,147)	\$1,750,104
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	90.0%	68.4%	78.9%	71.2%	72.3%	103.2%	85.5%
5. Funded Ratio: (3) / (2)	\$1,215,197	\$84,192	\$352,324	\$30,740,245	\$5,859,221	\$14,267,528	\$5,167,945
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	11.46%	0.00%	0.76%	12.05%	9.15%	7.72%	4.65%
Prior Service	3.65%	5.17%	2.16%	10.07%	5.44%	-0.92%	2.00%
Total Retirement	15.11%	5.17%	2.92%	22.12%	14.59%	6.80%	6.65%
Supplemental Death	0.25%	0.21%	0.11%	0.21%	0.16%	0.00%	0.18%
Total Rate	15.36%	5.38%	3.03%	22.33%	14.75%	6.80%	6.83%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	20.74%	13.71%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	9.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.7 years	24.5 years	18.9 years	26.2 years	26.9 years	25.2 years	27.9 years
Number of annuitants	25	2	4	428	36	107	53
Number of active contributing members	32	3	10	640	123	207	152
Number of inactive members	24	1	4	180	70	45	54
Average age of contributing members	40.9 years	47.5 years	40.9 years	43.7 years	42.5 years	46.9 years	42.0 years
Average length of service of contributing members	12.3 years	11.1 years	10.8 years	10.8 years	10.0 years	16.9 years	7.9 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$831,379	\$1,611,747	\$1,101,283	\$808,825	\$717,346	\$8,528,822	\$54,141,582
a. Contributing Members	22,113	448,064	118,028	0	166,041	1,461,930	15,256,448
b. Noncontributing Members	390,522	560,488	1,417,323	463,038	156,590	8,736,293	79,155,431
c. Annuitants	\$1,244,014	\$2,620,299	\$2,636,634	\$1,271,863	\$1,039,977	\$18,727,045	\$148,553,461
2. Total Actuarial Acrued Liability	1,539,278	2,186,398	2,358,268	1,007,634	849,387	13,193,445	111,822,395
3. Actuarial value of assets	(\$295,264)	\$433,901	\$278,366	\$264,229	\$190,590	\$5,533,600	\$36,731,066
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	123.7%	83.4%	89.4%	79.2%	81.7%	70.5%	75.3%
5. Funded Ratio: (3) / (2)	\$707,384	\$1,487,894	\$871,131	\$218,967	\$577,253	\$4,151,384	\$26,234,488
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	4.72%	7.37%	6.36%	17.73%	8.64%	9.96%	9.19%
Prior Service	-2.63%	1.78%	1.88%	7.92%	2.32%	8.15%	8.58%
Total Retirement	2.09%	9.15%	8.24%	25.65%	10.96%	18.11%	17.77%
Supplemental Death	0.21%	0.08%	0.16%	0.47%	0.00%	0.25%	0.17%
Total Rate	2.30%	9.23%	8.40%	26.12%	10.96%	18.36%	17.94%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	25.24%	N/A	17.53%	17.32%
Statutory Maximum Rate (Total Retirement Only)	11.50%	12.50%	9.50%	N/A	13.50%	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.0 years	26.3 years	28.1 years	23.3 years	21.0 years	26.3 years	26.2 years
Number of annuitants	6	8	12	2	4	70	376
Number of active contributing members	17	34	25	5	14	104	565
Number of inactive members	5	35	9	0	14	67	241
Average age of contributing members	46.5 years	34.4 years	45.0 years	53.4 years	49.3 years	42.0 years	39.9 years
Average length of service of contributing members	9.5 years	6.0 years	8.9 years	14.8 years	8.2 years	8.5 years	10.3 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Vidor	Village Fire Department	Waco	Waelder	Wake Village	Waller	Wallis
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$9,568,256	\$7,528,077	\$190,693,273	\$260,621	\$1,073,040	\$1,379,875	\$464,741
a. Contributing Members	684,751	973,201	19,028,435	121,251	370,530	269,406	95,365
b. Noncontributing Members	3,956,966	5,472,701	144,659,303	197,154	1,357,936	545,549	199,279
c. Annuitants	\$14,209,973	\$13,973,979	\$354,381,011	\$579,026	\$2,801,506	\$2,194,830	\$759,385
2. Total Actuarial Accrued Liability	11,336,548	13,277,120	307,003,573	625,255	2,201,239	2,249,343	758,931
3. Actuarial value of assets	\$2,873,425	\$696,859	\$47,377,438	(\$46,229)	\$600,267	(\$54,513)	\$454
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	79.8%	95.0%	86.6%	108.0%	78.6%	102.5%	99.9%
5. Funded Ratio: (3) / (2)	\$2,932,152	\$3,165,557	\$71,077,377	\$508,928	\$915,381	\$1,053,514	\$339,596
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	12.21%	6.50%	9.55%	1.73%	6.30%	4.47%	3.82%
Prior Service	6.06%	1.36%	4.27%	-0.57%	3.99%	-0.33%	0.02%
Total Retirement	18.27%	7.86%	13.82%	1.16%	10.29%	4.14%	3.84%
Supplemental Death	0.19%	0.12%	0.00%	0.17%	0.25%	0.30%	0.17%
Total Rate	18.46%	7.98%	13.82%	1.33%	10.54%	4.44%	4.01%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	18.38%	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	7.50%	13.50%	9.50%	8.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.8 years	25.8 years	24.3 years	25.1 years	26.5 years	24.5 years	7.8 years
Number of annuitants	32	15	763	3	17	11	3
Number of active contributing members	67	47	1,484	17	27	10	3
Number of inactive members	21	18	393	13	10	15	11
Average age of contributing members	45.4 years	40.5 years	44.4 years	39.7 years	43.0 years	50.7 years	46.2 years
Average length of service of contributing members	13.6 years	13.8 years	11.8 years	4.9 years	8.7 years	10.8 years	9.4 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$66,556	\$884,537	\$17,150,522	\$24,854,683	\$46,839,433	\$22,789,149	\$3,229,562
a. Contributing Members	0	45,462	6,100,632	2,924,524	6,429,716	4,305,757	606,635
b. Noncontributing Members	9,067	574,847	7,847,899	15,993,276	29,985,892	12,085,898	1,967,728
c. Annuitants	\$75,623	\$1,504,846	\$31,099,053	\$43,772,883	\$83,255,041	\$39,180,804	\$5,803,925
2. Total Actuarial Accrued Liability	77,318	1,138,038	25,823,692	33,495,383	64,824,032	30,575,870	4,694,340
3. Actuarial value of assets	(\$1,695)	\$366,808	\$5,275,361	\$10,276,900	\$18,431,009	\$8,604,934	\$1,109,585
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	102.2%	75.6%	83.0%	76.5%	77.9%	78.0%	80.9%
5. Funded Ratio: (3) / (2)	\$79,155	\$764,167	\$8,828,204	\$11,036,345	\$18,581,905	\$9,333,103	\$1,112,911
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.07%	3.62%	9.23%	10.93%	10.99%	11.04%	12.34%
Prior Service	-0.13%	2.93%	3.65%	5.74%	6.07%	5.64%	6.15%
Total Retirement	1.94%	6.55%	12.88%	16.67%	17.06%	16.68%	18.49%
Supplemental Death	0.21%	0.14%	0.19%	0.19%	0.16%	0.17%	0.35%
Total Rate	2.15%	6.69%	13.02%	16.86%	17.22%	16.85%	18.84%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	15.89%	16.87%	16.59%	18.07%
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	13.50%	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	26.6 years	26.3 years	26.3 years	25.9 years	26.2 years	26.2 years	25.9 years
Number of annuitants	1	7	57	86	150	64	18
Number of active contributing members	2	19	190	212	342	172	25
Number of inactive members	0	11	132	33	126	62	8
Average age of contributing members	53.1 years	43.2 years	40.0 years	43.9 years	41.0 years	42.8 years	52.2 years
Average length of service of contributing members	11.7 years	9.0 years	9.0 years	10.1 years	10.2 years	11.2 years	13.6 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Wellington	Wells	Weslaco	West	West Columbia	West Lake Hills	West Orange
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$1,478,609	\$118,206	\$9,484,478	\$634,730	\$1,704,978	\$2,928,094	\$3,481,760
a. Contributing Members	67,126	57,465	3,700,586	32,289	432,930	927,812	463,857
b. Noncontributing Members	842,895	90,831	14,741,875	81,838	1,027,930	1,752,969	3,145,594
c. Annuitants	\$2,388,630	\$266,502	\$27,926,939	\$1,478,857	\$3,165,838	\$5,608,875	\$7,091,211
2. Total Actuarial Acrued Liability	2,568,732	250,294	28,450,881	1,634,269	3,593,787	4,488,367	5,420,140
3. Actuarial value of assets	(\$180,102)	\$16,208	(\$523,942)	(\$155,412)	(\$427,949)	\$1,120,508	\$1,671,071
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	107.5%	93.9%	101.9%	110.5%	113.5%	80.0%	76.4%
5. Funded Ratio: (3) / (2)	\$405,613	\$89,845	\$7,924,799	\$696,481	\$1,270,479	\$1,608,601	\$1,225,896
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement	9.45%	4.85%	3.56%	3.32%	6.16%	8.19%	11.08%
Normal Cost	-2.79%	1.13%	-0.39%	-1.40%	-2.12%	4.25%	8.40%
Prior Service	6.66%	5.98%	3.17%	1.92%	4.04%	12.44%	19.48%
Total Retirement	0.41%	0.00%	0.17%	0.22%	0.00%	0.24%	0.00%
Supplemental Death	7.07%	5.98%	3.34%	2.14%	4.04%	12.68%	19.48%
Total Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	9.50%	11.50%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.1 years	25.2 years	28.0 years	25.1 years	25.0 years	26.4 years	25.9 years
Number of annuitants	11	2	118	10	15	18	17
Number of active contributing members	13	3	192	21	32	29	25
Number of inactive members	5	5	118	7	22	24	9
Average age of contributing members	50.6 years	49.7 years	41.3 years	42.6 years	46.6 years	43.1 years	46.1 years
Average length of service of contributing members	18.5 years	8.1 years	9.0 years	8.9 years	8.9 years	8.8 years	11.7 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$430,807	\$13,311,658	\$1,826,774	\$362,734	\$1,386,503	\$6,660,918	\$635,600
a. Contributing Members	332,040	6,500,873	427,400	177,764	500,085	1,781,117	16,350
b. Noncontributing Members	97,847	16,002,159	377,242	1,068,208	891,734	2,495,933	271,473
c. Annuitants	\$860,694	\$35,814,690	\$2,631,416	\$1,608,706	\$2,778,322	\$10,937,968	\$923,423
2. Total Actuarial Acrued Liability	616,130	31,698,316	2,226,028	1,593,857	2,217,733	9,755,282	854,577
3. Actuarial value of assets	\$244,564	\$4,116,374	\$405,388	\$14,849	\$560,589	\$1,182,686	\$68,846
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	71.0%	88.5%	84.6%	99.1%	79.8%	89.2%	92.5%
5. Funded Ratio: (3) / (2)	\$482,569	\$7,892,795	\$1,808,854	\$922,210	\$2,089,201	\$3,831,612	\$189,010
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement	6.29%	6.45%	5.52%	0.31%	6.01%	6.28%	12.75%
Normal Cost	3.54%	3.19%	1.56%	0.10%	1.63%	1.88%	2.28%
Prior Service	9.83%	9.64%	7.08%	0.41%	7.64%	8.16%	15.03%
Total Retirement	0.27%	0.16%	0.12%	0.33%	0.14%	0.21%	0.28%
Supplemental Death	10.10%	9.80%	7.20%	0.74%	7.78%	8.37%	15.31%
Total Rate	N/A	N/A	N/A	N/A	N/A	N/A	13.83%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	7.50%	13.50%	9.50%	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	21.2 years	26.2 years	21.3 years	25.6 years	26.6 years	26.4 years	25.2 years
Number of annuitants	5	79	6	18	8	26	1
Number of active contributing members	11	120	25	19	46	82	5
Number of inactive members	15	75	15	6	34	27	2
Average age of contributing members	46.4 years	41.1 years	42.0 years	48.0 years	41.7 years	45.4 years	50.3 years
Average length of service of contributing members	7.2 years	9.9 years	8.0 years	9.5 years	6.2 years	12.6 years	14.0 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Acrued Liability	\$430,807	\$13,311,658	\$1,826,774	\$362,734	\$1,386,503	\$6,660,918	\$635,600
a. Contributing Members	332,040	6,500,873	427,400	177,764	500,085	1,781,117	16,350
b. Noncontributing Members	97,847	16,002,159	377,242	1,068,208	891,734	2,495,933	271,473
c. Annuitants	\$860,694	\$35,814,690	\$2,631,416	\$1,608,706	\$2,778,322	\$10,937,968	\$923,423
2. Total Actuarial Acrued Liability	616,130	31,698,316	2,226,028	1,593,857	2,217,733	9,755,282	854,577
3. Actuarial value of assets	\$244,564	\$4,116,374	\$405,388	\$14,849	\$560,589	\$1,182,686	\$68,846
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	71.0%	88.5%	84.6%	99.1%	79.8%	89.2%	92.5%
5. Funded Ratio: (3) / (2)	\$482,569	\$7,892,795	\$1,808,854	\$922,210	\$2,089,201	\$3,831,612	\$189,010
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement	6.29%	6.45%	5.52%	0.31%	6.01%	6.28%	12.75%
Normal Cost	3.54%	3.19%	1.56%	0.10%	1.63%	1.88%	2.28%
Prior Service	9.83%	9.64%	7.08%	0.41%	7.64%	8.16%	15.03%
Total Retirement	0.27%	0.16%	0.12%	0.33%	0.14%	0.21%	0.28%
Supplemental Death	10.10%	9.80%	7.20%	0.74%	7.78%	8.37%	15.31%
Total Rate	N/A	N/A	N/A	N/A	N/A	N/A	13.83%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	7.50%	13.50%	9.50%	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	21.2 years	26.2 years	21.3 years	25.6 years	26.6 years	26.4 years	25.2 years
Number of annuitants	5	79	6	18	8	26	1
Number of active contributing members	11	120	25	19	46	82	5
Number of inactive members	15	75	15	6	34	27	2
Average age of contributing members	46.4 years	41.1 years	42.0 years	48.0 years	41.7 years	45.4 years	50.3 years
Average length of service of contributing members	7.2 years	9.9 years	8.0 years	9.5 years	6.2 years	12.6 years	14.0 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	White Deer	White Oak	White Settlement	Whiteface	Whitehouse	Whitesboro	Whitewright	
SUMMARY OF ACTUARIAL INFORMATION 1. Actuarial Acrued Liability a. Contributing Members b. Noncontributing Members c. Annuitants 2. Total Actuarial Acrued Liability 3. Actuarial value of assets 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) 5. Funded Ratio: (3) / (2) 6. Annual Payroll	\$105,620	\$3,125,851	\$7,000,212	\$152,408	\$1,866,835	\$2,482,192	\$373,996	
	64,705	701,251	4,119,264	172,083	514,813	536,700	185,945	
	295,208	5,058,844	8,138,090	218,088	584,523	1,458,885	252,020	
	\$465,533	\$8,885,946	\$19,257,566	\$542,579	\$2,966,171	\$4,477,777	\$811,961	
	331,368	7,540,457	16,630,678	421,275	2,860,061	4,025,730	822,564	
	\$134,165	\$1,345,489	\$2,626,888	\$121,304	\$106,110	\$452,047	(\$10,603)	
	71.2%	84.9%	86.4%	77.6%	96.4%	101.3%	101.3%	
	\$271,753	\$1,815,142	\$5,013,479	\$120,462	\$1,641,315	\$1,659,596	\$600,705	
	CITY CONTRIBUTION RATES FOR 2013							
	Retirement							
Normal Cost	2.74%	8.76%	7.12%	7.03%	5.29%	6.31%	2.81%	
Prior Service	3.04%	4.53%	3.20%	6.17%	0.38%	1.67%	-0.11%	
Total Retirement	5.78%	13.29%	10.32%	13.20%	5.67%	7.98%	2.70%	
Supplemental Death	0.29%	0.16%	0.18%	0.30%	0.18%	0.19%	0.15%	
Total Rate	6.07%	13.45%	10.50%	13.50%	5.85%	8.17%	2.85%	
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	5.81%	N/A	N/A	13.27%	N/A	N/A	N/A	
Statutory Maximum Rate (Total Retirement Only)	7.50%	N/A	11.50%	N/A	9.50%	9.50%	9.50%	
ADDITIONAL INFORMATION GASB 25 Equivalent Single Amortization Period as of 1/2013 Number of annuitants Number of active contributing members Number of inactive members Average age of contributing members Average length of service of contributing members								
	25.9 years	26.3 years	26.3 years	26.2 years	28.1 years	26.1 years	25.4 years	
	5	25	53	2	8	22	6	
	8	46	112	3	40	45	20	
	6	24	107	1	27	27	13	
	44.0 years	41.2 years	43.3 years	46.2 years	40.5 years	45.1 years	38.9 years	
	4.4 years	8.4 years	9.0 years	9.4 years	8.4 years	9.9 years	6.0 years	
SUMMARY OF ACTUARIAL INFORMATION								
1. Actuarial Acrued Liability a. Contributing Members b. Noncontributing Members c. Annuitants 2. Total Actuarial Acrued Liability 3. Actuarial value of assets 4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3) 5. Funded Ratio: (3) / (2) 6. Annual Payroll	\$209,658	\$84,000,262	\$2,075,274	\$426,400	\$1,795,461	\$844,623	\$108,572	
	198,795	11,635,333	263,725	167,282	865,476	560,781	9,038	
	231,058	105,525,056	976,852	27,341	629,094	668,630	5,129	
	\$639,511	\$201,160,651	\$3,315,851	\$621,025	\$3,290,031	\$2,074,034	\$122,739	
	555,439	164,206,444	2,813,567	409,822	2,569,885	2,242,609	98,925	
	\$84,072	\$36,954,207	\$502,284	\$211,201	\$720,146	(\$168,575)	\$23,814	
	86.9%	81.6%	84.9%	66.0%	78.1%	108.1%	80.6%	
	\$619,570	\$41,418,811	\$1,509,461	\$1,351,070	\$1,247,346	\$1,252,164	\$291,988	
	CITY CONTRIBUTION RATES FOR 2013							
	Retirement							
Normal Cost	2.16%	7.69%	5.75%	0.65%	7.92%	3.13%	0.81%	
Prior Service	0.85%	5.48%	2.04%	1.10%	3.59%	-0.85%	0.57%	
Total Retirement	3.01%	13.17%	7.79%	1.75%	11.51%	2.28%	1.38%	
Supplemental Death	0.14%	0.00%	0.14%	0.10%	0.18%	0.11%	0.20%	
Total Rate	3.15%	13.17%	7.93%	1.85%	11.69%	2.39%	1.58%	
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Statutory Maximum Rate (Total Retirement Only)	7.50%	N/A	13.50%	N/A	N/A	11.50%	N/A	
ADDITIONAL INFORMATION GASB 25 Equivalent Single Amortization Period as of 1/2013 Number of annuitants Number of active contributing members Number of inactive members Average age of contributing members Average length of service of contributing members								
	25.2 years	26.1 years	26.1 years	20.9 years	25.5 years	24.9 years	21.1 years	
	7	513	15	1	10	13	1	
	18	1,005	35	37	27	39	7	
	14	267	14	25	32	41	6	
	44.5 years	44.5 years	41.5 years	41.5 years	44.2 years	39.7 years	49.3 years	
	6.5 years	11.0 years	9.0 years	5.5 years	9.3 years	7.3 years	8.3 years	

Actuarial Valuation of Participating Municipalities

CONTINUED

	Windcrest	Winfield	Wink	Winnabow	Winona	Winters	Woolfirth
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$1,955,695	\$31,085	\$232,823	\$1,438,056	\$396,751	\$879,806	\$1,229,343
a. Contributing Members	1,693,687	712	0	77,564	5,727	246,194	43,126
b. Noncontributing Members	2,377,059	0	251,816	2,566,942	323,332	1,466,814	820,347
c. Annuitants	\$6,026,441	\$31,797	\$484,639	\$4,082,562	\$725,810	\$2,592,814	\$2,092,816
2. Total Actuarial Accrued Liability	5,498,300	6,560	500,977	3,613,219	571,260	2,374,231	1,667,030
3. Actuarial value of assets	\$528,141	\$25,237	(\$16,338)	\$469,343	\$154,550	\$218,583	\$425,786
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	91.2%	20.6%	103.4%	88.5%	78.7%	91.6%	79.7%
5. Funded Ratio: (3) / (2)	\$2,155,237	\$240,225	\$219,979	\$1,339,726	\$313,292	\$525,427	\$999,904
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	5.41%	0.00%	4.10%	4.95%	8.58%	7.85%	5.67%
Prior Service	1.51%	1.11%	-0.47%	2.16%	3.05%	2.56%	2.60%
Total Retirement	6.92%	1.11%	3.63%	7.11%	11.63%	10.41%	8.27%
Supplemental Death	0.19%	0.07%	0.20%	0.24%	0.13%	0.32%	0.12%
Total Rate	7.11%	1.18%	3.83%	7.35%	11.76%	10.73%	8.39%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	10.21%	8.19%
Statutory Maximum Rate (Total Retirement Only)	10.50%	N/A	N/A	11.50%	13.50%	11.50%	9.50%
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	25.9 years	12.0 years	24.8 years	25.9 years	25.8 years	26.0 years	26.3 years
Number of annuitants	28	0	3	24	2	11	5
Number of active contributing members	46	7	10	34	10	24	24
Number of inactive members	50	2	0	16	3	19	10
Average age of contributing members	43.1 years	34.7 years	51.0 years	46.2 years	41.0 years	46.7 years	39.4 years
Average length of service of contributing members	8.5 years	4.7 years	8.5 years	7.9 years	4.8 years	8.4 years	8.2 years
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability	\$11,267	\$74,356	\$2,726,704	\$9,711,724	\$213,852	\$25,708,676	\$9,603,779
a. Contributing Members	50,677	80,706	306,912	2,306,249	83,878	4,271,010	1,156,229
b. Noncontributing Members	0	290,451	1,395,438	3,812,396	0	5,979,931	7,639,323
c. Annuitants	\$61,944	\$445,513	\$4,429,054	\$15,830,369	\$297,730	\$35,939,617	\$18,399,331
2. Total Actuarial Accrued Liability	71,123	489,442	3,721,904	12,940,752	388,070	25,444,331	14,930,144
3. Actuarial value of assets	(\$9,179)	(\$43,929)	\$707,150	\$2,885,617	(\$90,340)	\$10,515,286	\$3,469,187
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	114.8%	109.9%	84.0%	81.8%	130.3%	70.8%	81.1%
5. Funded Ratio: (3) / (2)	\$80,354	\$301,822	\$1,228,841	\$3,753,555	\$296,413	\$14,298,143	\$3,088,797
6. Annual Payroll							
CITY CONTRIBUTION RATES FOR 2013							
Retirement							
Normal Cost	2.02%	1.85%	11.40%	11.47%	4.05%	9.21%	10.98%
Prior Service	-0.72%	-0.92%	3.51%	4.71%	-1.92%	4.49%	6.91%
Total Retirement	1.30%	0.93%	14.91%	16.18%	2.13%	13.70%	17.89%
Supplemental Death	0.39%	0.21%	0.21%	0.13%	0.09%	0.11%	0.27%
Total Rate	1.69%	1.14%	15.12%	16.31%	2.22%	13.81%	18.16%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	15.33%	N/A	13.14%	17.97%
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	N/A	N/A	12.50%	13.50%	N/A
ADDITIONAL INFORMATION							
GASB 25 Equivalent Single Amortization Period as of 1/2013	24.9 years	24.8 years	26.4 years	26.2 years	25.0 years	26.3 years	26.0 years
Number of annuitants	0	3	9	27	0	48	44
Number of active contributing members	2	10	33	72	7	243	78
Number of inactive members	3	3	10	39	15	88	35
Average age of contributing members	43.5 years	41.7 years	44.4 years	38.8 years	40.5 years	39.8 years	44.8 years
Average length of service of contributing members	1.5 years	3.4 years	9.7 years	9.1 years	7.3 years	8.8 years	13.4 years

Actuarial Valuation of Participating Municipalities

CONTINUED

	Yonkton	Zavalla		
SUMMARY OF ACTUARIAL INFORMATION				
1. Actuarial Accrued Liability		\$133,990		
a. Contributing Members	\$337,351	48,663		
b. Noncontributing Members	40,539	248,553		
c. Annuitants	763,269	\$431,206		
2. Total Actuarial Accrued Liability	<u>\$1,141,159</u>	<u>422,707</u>		
3. Actuarial value of assets	1,241,229	\$8,499		
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	<u>(\$100,070)</u>	98.0%		
5. Funded Ratio: (3) / (2)	108.8%	\$222,520		
6. Annual Payroll	\$423,664			
CITY CONTRIBUTION RATES FOR 2013				
Retirement				
Normal Cost	2.68%	2.70%		
Prior Service	-1.49%	0.23%		
Total Retirement	<u>1.19%</u>	<u>2.93%</u>		
Supplemental Death	0.41%	0.00%		
Total Rate	<u>1.60%</u>	<u>2.93%</u>		
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A		
Statutory Maximum Rate (Total Retirement Only)	7.50%	9.50%		
ADDITIONAL INFORMATION				
GASB 25 Equivalent Single Amortization Period as of 1/2013				
Number of annuitants	24.9 years	27.0 years		
Number of active contributing members	11	2		
Number of inactive members	13	8		
Average age of contributing members	17	6		
Average length of service of contributing members	48.5 years	41.9 years		
	10.3 years	4.7 years		

Actuarial Valuation of Inactive Municipalities

	Crystal Beach	Floresville No. 1	Nacogdoches Mem Hosp	Roy H. Laird Mem Hospital	Santa Anna
SUMMARY OF ACTUARIAL INFORMATION					
1. Actuarial Accrued Liability					
a. Contributing Members	\$0	\$0	\$0	\$0	\$0
b. Noncontributing Members	565	0	0	6,799,149	0
c. Annuitants	80,530	21,772	34,209	4,069,698	534
2. Total Actuarial Accrued Liability	\$81,095	\$21,772	\$34,209	\$10,868,847	\$534
3. Actuarial value of assets	316,606	51,563	1,465,585	9,955,377	383,575
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$235,511)	(\$29,791)	(\$1,431,376)	\$913,470	(\$383,041)
5. Funded Ratio: (3) / (2)	390.4%	236.8%	4284.2%	91.6%	71830.5%
6. Annual Payroll	\$0	\$0	\$0	\$0	\$0
CITY CONTRIBUTION AMOUNT FOR 2013					
Amortization Period	-	-	-	93,463	-
	N/A	N/A	N/A	16 Years	N/A
ADDITIONAL INFORMATION					
Number of annuitants	1	1	2	48	1
Number of inactive members	1	0	0	56	0