# TEXAS COUNTY \& DISTRICT RETIREMENT SYSTEM SYSTEM-WIDE ACTUARIAL VALUATION 

December 31, 2013

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June 19, 2014

Board of Trustees
Texas County \& District Retirement System
P.O. Box 2034

Austin, TX 78768-2034

Re: $\quad$ System-wide Actuarial Valuation as of December 31, 2013

## Dear Board of Trustees:

As part of our engagement with the Board, we have performed an actuarial valuation of the Texas County \& District Retirement System (TCDRS) as of December 31, 2013. The major findings of the valuation are set forth in this report. This report reflects the benefit provisions and contribution rates in effect for each of the 657 separate employer plans (656 active plans and one non-depositing plan) participating in TCDRS as of December 31, 2013. This is a summary report for TCDRS as a whole; detailed information for each individual employer can be found in the employer-specific valuation reports on TCDRS' website.

## Actuarial Certification

This report is a summary of the valuation results. Additional detailed results are provided in the TCDRS Comprehensive Annual Financial Report (CAFR).

In preparing this report, we relied on information (some oral and some in writing) supplied by the TCDRS staff. This information includes, but is not limited to, statutory provisions, employee data, and financial information. We found this information to be reasonably consistent and comparable with information used for other purposes. The valuation results depend on the integrity of this information. If any of this information is inaccurate or incomplete, our results may be different and our calculations may need to be revised.

All costs, liabilities, rates of interest, and other factors for TCDRS have been determined on the basis of actuarial assumptions and methods, which we believe are reasonable (taking into account the experience of TCDRS and reasonable expectations); and which, in combination, offer a reasonable estimate of anticipated experience affecting the System. Further, in our opinion, each actuarial assumption used is reasonably related to the experience of the plan and to reasonable expectations which, in combination, represent a reasonable estimate of anticipated experience under the System.

This valuation report is only an estimate of the System's financial condition as of a single date. It can neither predict the System's future condition nor guarantee future financial soundness. Actuarial valuations do not affect the ultimate cost of System benefits, only the timing of System contributions. While the valuation is based on an array of individually reasonable assumptions, other assumption sets may also be reasonable and valuation results based on those assumptions would be different. No one set of assumptions is uniquely correct. Determining results using alternative assumptions is outside the scope of our engagement.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law. Due to the limited scope of our assignment, we did not perform an analysis of the potential range of future measurements.

These assumptions are based on our 2013 Investigation of Experience report. The Board has the final decision regarding the appropriateness of the assumptions and adopted them as indicated in Appendix D.

Actuarial computations presented in this report are for purposes of determining the recommended funding amounts for TCDRS. Actuarial computations under GASB Statements No. 25, No. 27, No. 43 and No. 45 are for purposes of fulfilling financial accounting requirements and are provided separately. The computations prepared for accounting purposes may differ from those disclosed in this report. The calculations in the enclosed report have been made on a basis consistent with our understanding of the funding requirements and goals of TCDRS. Determinations for purposes other than meeting these requirements may be significantly different from the results contained in this report. Accordingly, additional determinations may be needed for other purposes.

Milliman's work is prepared solely for the internal business use of the TCDRS. To the extent that Milliman's work is not subject to disclosure under applicable public records laws, Milliman's work may not be provided to third parties without Milliman's prior written consent. Milliman does not intend to benefit or create a legal duty to any third party recipient of its work product. Milliman's consent to release its work product to any third party may be conditioned on the third party signing a Release, subject to the following exceptions:
a) TCDRS may provide a copy of Milliman's work, in its entirety, to the System's professional service advisors who are subject to a duty of confidentiality and who agree to not use Milliman's work for any purpose other than to benefit the System.
b) TCDRS may provide a copy of Milliman's work, in its entirety, to other governmental entities, as required by law.

No third party recipient of Milliman's work product should rely upon Milliman's work product. Such recipients should engage qualified professionals for advice appropriate to their own specific needs.

The consultants who worked on this assignment are pension actuaries. Milliman's advice is not intended to be a substitute for qualified legal or accounting counsel.

The signing actuaries are independent of the plan sponsor. We are not aware of any relationship that would impair the objectivity of our work.

On the basis of the foregoing, we hereby certify that, to the best of our knowledge and belief, this report along with the information contained in the CAFR is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices. We are members of the American Academy of Actuaries and meet the Qualification Standards to render the actuarial opinion contained herein

We would like to express our appreciation to Mr. Gene Glass, Director of TCDRS, and to members of his staff, who gave substantial assistance in supplying the data on which this report is based.

We respectfully submit the following report, and we look forward to discussing it with you.
Sincerely,

## Win Cell:

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Consulting Actuary


Mark C. Olleman, FSA, EA, MAAA
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# Texas County \& District Retirement System System-wide Actuarial Valuation 

December 31, 2013

## Table of Contents

Page
Section 1 Executive Summary ..... 1
Overview ..... 1
Key Results ..... 4
Plan Funding ..... 5
Individual Employer Plan Changes ..... 6
Experience Analysis ..... 6
CSARF \& GTLF ..... 7
Inactive Plans ..... 7
Plan Data ..... 8
Recommended Board Action ..... 9
Section 2 Valuation Results ..... 11
Summary Results ..... 11
Actuarial Value of Assets ..... 15
Valuation Basis ..... 15
Funded Status ..... 19
Contribution Rates ..... 20
Experience Analysis - Contribution Rates ..... 22
Section 3 Funding Adequacy Based on 2013 Results ..... 25
Active Plan Funding ..... 25
Inactive Plans ..... 25
Section 4 Analysis of Retired Member Payments - CSARF ..... 27
Section 5 Group Term Life Fund ..... 29
Section 6 Glossary ..... 31
APPENDICES
Appendix A Summary Valuation Results by Employer ..... A-1
Appendix B Employers With a Significant Rate Change ..... B-1
Appendix C Group Term Life Fund Contribution Rates for 2015 ..... C-1
Appendix D Summary of Plan Provisions ..... D-1
Appendix E Summary of Recommended Assumptions ..... E-1

# Texas County \& District Retirement System System-wide Actuarial Valuation 

December 31, 2013

Section 1 Executive Summary


Overview

We are pleased to present the results of the 2013 Actuarial Valuation. The actuarial valuation of TCDRS requires a separate valuation and determination of contribution rates for each of the 657 individual employer plans (656 active plans and one nondepositing plan). The results of this valuation determine the required employer contribution rates for 2015, assuming no changes in plan provisions or other significant events.

This document summarizes the results of the valuation for all plans and highlights key observations made regarding specific individual plans, as well as describing groups of plans that were reviewed.

Both the TCDRS system in total and the individual employer plans continue to be funded in an appropriate manner. The contribution rates being paid in 2014 and those calculated for 2015 satisfy the statutory requirements and meet or exceed the current guidelines of the Government Accounting Standards Board (GASB). The overall funding of the system compares favorably with other public retirement systems.

Several key points to note for the 2013 Actuarial Valuation are summarized as follows:

- Funding: The funded ratio for the system in aggregate increased from 88.2\% to 89.4\%. The main factors causing this increase were contributions in excess of the Normal Cost rate and favorable investment and termination experience. The funded ratio uses the smoothed actuarial value of assets which are currently deferring a net investment gain. If the actual fund values were used instead (i.e., all currently deferred investment gains and losses were recognized), the funded ratio would be 91.2\%.
- New Assumptions: New assumptions were adopted for the 2013 valuation; however, they did not have a material impact on the overall funding of the system. Although they resulted in increases and decreases for most employers, the overall impact was no change in the aggregate contribution rate and a $0.1 \%$ increase in the aggregate funded ratio.


## Overview (continued)

- Contribution Rates: On average, the employer contribution rate weighted by payroll decreased by 0.23\% of payroll (not including plan changes). More terminations than assumed caused a $0.11 \%$ decrease. Employer contributions in excess of the required rate resulted in a decrease of $0.05 \%$. Additionally, the recognition of current and prior investment losses (combined with the adoption of five-year asset smoothing) caused a decrease of $0.05 \%$. All other factors caused a decrease of $0.02 \%$. The impact of all changes is discussed in more detail later in this section and in the Experience Analysis section of Section 2. This discussion includes the impact of plan changes which caused a decrease in the aggregate rate calculated in the prior valuation due to changes elected by a few of the larger employers that reduced future benefits for their employees.
- Investment Return: The employer accounts in the Subdivision Accumulation Fund (SAF) received an interest credit of $23 \%$. This had a positive impact on the valuation. Combined with the adoption of five-year smoothing this resulted in a small net investment gain on an actuarial value basis.
- Looking Ahead: Under the recently adopted five-year asset smoothing method, the full 2008 investment loss has now been recognized in the valuation, and the actuarial assets are in a net gain position. By deferring the recognition of the net gain, this delays expected decreases in employer contribution rates off into the future. As a measure of this, if smoothing had not been applied to this valuation (i.e., if employer contribution rates had been based on the actual fund values), the average employer contribution rate would have been $0.73 \%$ of payroll lower. This is a rough measure of the decrease employers can expect to see over the next several years; however, the actual increase or decrease will ultimately either be greater or less depending on future investment returns and a number of other factors. It should also be noted that the impact by individual employer can vary significantly.


## Overview (continued)

The following graph shows a projection of the aggregate employer contribution rate for all TCDRS employers, assuming that all actuarial assumptions are met in the future and that employers make no changes to their plan provisions. In particular, it assumes that the SAF is credited with 9\% in each future year. The recognition of assets gains that are currently deferred causes a gradual decrease over the next several years. The actual increase will ultimately either be greater or less, depending on future investment returns and a number of other factors.


## Key Results

The following chart summarizes the key numerical results of the valuation:

|  | 12/31/2013 | 12/31/2012 | \% Change |
| :---: | :---: | :---: | :---: |
| Number of Employers |  |  |  |
| Active | 656 | 641 | 2.3\% |
| Non-Depositing | 1 | 1 | 0.0\% |
| Total | 657 | 642 | 2.3\% |
| Number of Members |  |  |  |
| Contributing | 124,525 | 121,963 | 2.1\% |
| Non-Contributing | 73,460 | 68,723 | 6.9\% |
| Annuitants ${ }^{(1)}$ | 49,820 | 46,801 | 6.5\% |
| Total | 247,805 | 237,487 | 4.3\% |
| Averages |  |  |  |
| Age (Actives) | 45.5 | 45.5 | -0.1\% |
| Years of Service (Actives) | 11.9 | 11.9 | 0.0\% |
| Annual Pay (Actives) | \$ 44,038 | \$ 43,322 | 1.7\% |
| Member Deposit Rate | 6.62\% | 6.68\% | -0.9\% |
| Account Balance (ESF) | 28,633 | 28,132 | 1.8\% |
| Monthly Benefit (Annuitants) ${ }^{(1)}$ | 1,524 | 1,479 | 3.0\% |
| Actuarial Value of Assets |  |  |  |
| Employee Savings Fund | \$ 5,668.9 million | \$ 5,364.3 million | 5.7\% |
| Subdivision Accumulation Fund | 10,465.9 million | 9,601.8 million | 9.0\% |
| Current Service Annuity Reserve Fund | 5,777.9 million | 5,284.2 million | 9.3\% |
| Total Actuarial Value of Assets | \$21,912.7 million | \$ 20,250.3 million | 8.2\% |
| Funding |  |  |  |
| Actuarial Accrued Liabilities | \$24,514.8 million | \$ 22,953.0 million | 6.8\% |
| Actuarial Value of Assets | 21,912.7 million | 20,250.3 million | 8.2\% |
| Unfunded Actuarial Accrued Liability | 2,602.1 million | 2,702.7 million | -3.7\% |
| Aggregate Funded Ratio | 89.4\% | 88.2\% | 1.3\% |
| Average Required Contribution Rate (Weighted by Payroll) |  |  |  |
| Average Normal Cost Rate | 6.86\% | 7.01\% | -2.1\% |
| Average UAAL Rate | 4.31\% | 4.42\% | -2.4\% |
| Average Required Contribution Rate | 11.17\% | 11.43\% | -2.2\% |
| Results Based on Fund Values (No Asset Smoothing) -- For Informational Purposes Only |  |  |  |
| Average Required Contribution Rate | 10.44\% | 12.58\% | -17.0\% |
| Aggregate Funded Ratio | 91.2\% | 85.1\% | 7.1\% |
| ${ }^{(1)}$ The average monthly benefits are the regular benefits paid in January following the valuation date. In cases of retirees with multiple accounts from a single employer, the accounts are considered as a single benefit. Benefits from multiple employers to a single retiree are calculated separately. |  |  |  |

## Plan Funding

The purpose of the valuation is to determine the contribution rates and measure the funding status of each employer plan based on the assumptions, benefits and membership of each plan. Funding status is measured by the funded ratio for each plan; contribution rates are based on the funded method used.

Employer contribution rates effective for 2015, as determined by this 2013 Actuarial Valuation, decreased by $0.23 \%$ on average when compared with the rate actually being paid in 2014. The weighted average contribution rate for all plans decreased from $11.40 \%$ to $11.17 \%$. Note that the weighted average rate is determined as the total estimated required contributions for the next year (2015) divided by the total expected payroll. It does not reflect the cost of any changes in benefits that may be adopted during 2014. A historical perspective on required contribution rates is shown below.


For the system in total, the Funded Ratio of Actuarial Assets to Actuarial Accrued Liabilities has increased since the 2013 valuation from $88.2 \%$ to $89.4 \%$. Note that a funded ratio of $90 \%$ indicates that actuarial assets are $10 \%$ less than liabilities. The system in total refers to all employer plans, plus the Current Service Annuity Reserve Fund (CSARF), but does not include any assets currently held in the Endowment Fund. If the reserves held in the Endowment Fund were included in the Actuarial Assets, the Funded Ratio would be slightly higher at 92.5\%.

All Funded Ratios discussed in this report are on an ongoing basis. The TCDRS Act allows for the termination of individual district plans under certain conditions. If measured on a termination basis, the liabilities would be higher and the assets would be based on the fund values; therefore, the Funded Ratio would generally be lower than the measurement on an ongoing basis.

## Plan Funding (continued)

## Individual Employer Plan Changes

Experience Analysis

As discussed earlier, the funded ratio has increased slightly since the last year. As shown below, the funded ratio using the actuarial value of assets has remained fairly level since 1994; very level when compared to other public retirement systems. The only exceptions were a small increase at December 31, 2006 due to an additional 6\% interest credit to the SAF and the decrease five years ago due to the 2008 investment loss. The funded ratio based on the actual fund values has been less stable.

Historical Aggregate Funded Ratio


During 2013, 124 employers changed their benefit provisions. Of these employers, 112 made changes that improved benefit provisions, and the remaining 12 lowered future benefits. The most common benefit changes were retiree Cost-of-Living Adjustments (COLAs).

A detailed analysis of the sources of the rate change was performed for each current plan that was also in the December 31, 2012 valuation. There are many factors that are measured when comparing one year's expected valuation results to the actual results a year later. This is discussed in further detail in Section 2.

## Experience Analysis (continued)

The following chart shows how various factors affected the overall funding of TCDRS, as compared to the last valuation. The most significant changes are shown in bold.

| Sources of Change | Weighted <br> Contribution <br> Rate | Aggregate <br> Funding <br> Ratio |
| :--- | :---: | :---: |
| Calculated Rate for 2014 (2012 Valuation) | $\mathbf{1 1 . 4 3 \%}$ | $\mathbf{8 8 . 2 \%}$ |
| Immediate Recognition of Lump Sums | $-0.02 \%$ | $0.1 \%$ |
| Changes in Plan Provisions | $-0.01 \%$ | $-0.2 \%$ |
| Estimated Average Required Rate for 2014 | $\mathbf{1 1 . 4 0 \%}$ | $\mathbf{8 8 . 1 \%}$ |
| Expected Year-to-Year Change | $0.00 \%$ | $0.5 \%$ |
| Assumption Changes | $0.00 \%$ | $0.1 \%$ |
| Additional Contribs (Lump Sum \& Elected Rate) | $-0.05 \%$ | $0.1 \%$ |
| Investment Experience* | $-0.05 \%$ | $0.3 \%$ |
| Payroll \& Salary Increases less than Expected | $0.01 \%$ | $0.0 \%$ |
| Termination \& Withdrawal Experience | $-0.11 \%$ | $0.3 \%$ |
| Other | $-0.03 \%$ | $0.0 \%$ |
| Total Change | $\mathbf{- 0 . 2 3 \%}$ | $\mathbf{1 . 3 \%}$ |
| Calculated Rate for 2015 (2013 Valuation) | $\mathbf{1 1 . 1 7 \%}$ | $\mathbf{8 9 . 4 \%}$ |

* Includes the impact of the adoption of five-year asset smoothing.

Both the CSARF and the Group Term Life Fund (GTLF) continue to maintain a level of assets in each fund to sufficiently support their expected benefit payments. The projected surplus for the GTLF increased over last year.

The projected surplus for the CSARF decreased slightly since the prior year. The CSARF continues to maintain a projected surplus, but at a lower level. This should continue to be monitored going forward.

There is currently one inactive plan where neither the members nor the employer are contributing to TCDRS. Adjustments in benefits may be needed based on the current and expected funding status of this plan. The unfunded amount for this plan is currently being funded by an active employer; therefore, we are recommending no adjustments be made at this time.

## Plan Data

The makeup of the valuation group changed from the 2004 to 2013 Actuarial Valuations as shown by the next three tables. Note that 656 active plans reflect the addition of 17 new plans in 2013, reduced by two plans that terminated.

| Plans in December 31 Actuarial Valuation |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Active | Inactive Plans | Total Plans |
| 2004 | 544 | 15 | 559 |
| 2005 | 557 | 18 | 575 |
| 2006 | 565 | 8 | 573 |
| 2007 | 567 | 7 | 574 |
| 2008 | 585 | 1 | 586 |
| 2009 | 601 | 1 | 602 |
| 2010 | 618 | 1 | 619 |
| 2011 | 624 | 1 | 625 |
| 2012 | 641 | 1 | 642 |
| 2013 | 656 | 1 | 657 |

Total System Membership as of December 31

| Total System Membership as of December 31 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Active Contributing | NonContributing Members* | Annuitants* | Total |
| 2004 | 104,545 | 31,177 | 28,496 | 164,218 |
| 2005 | 107,212 | 34,975 | 30,347 | 172,534 |
| 2006 | 110,791 | 39,781 | 32,440 | 183,012 |
| 2007 | 116,858 | 46,104 | 34,362 | 197,324 |
| 2008 | 120,347 | 52,188 | 36,509 | 209,044 |
| 2009 | 123,446 | 55,956 | 37,979 | 217,381 |
| 2010 | 122,889 | 59,029 | 40,836 | 222,754 |
| 2011 | 121,919 | 63,172 | 43,635 | 228,726 |
| 2012 | 121,963 | 68,723 | 46,801 | 237,487 |
| 2013 | 124,525 | 73,460 | 49,820 | 247,805 |

* Includes members and survivors from inactive and terminated employers.


## System Covered Payroll and Annual Pay as of December 31

|  | $\begin{gathered} \text { Covered } \\ \text { Payroll } \\ \text { (in millions) } \\ \hline \end{gathered}$ | Contributing Members | Annual Pay |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | Average | Percentage Increase |
| 2004 | \$ 3,610.8 | 104,545 | \$ 34,539 | 3.8\% |
| 2005 | 3,804.5 | 107,212 | 35,486 | 2.7\% |
| 2006 | 4,054.3 | 110,791 | 36,594 | 3.6\% |
| 2007 | 4,420.5 | 116,858 | 37,828 | 3.4\% |
| 2008 | 4,830.3 | 120,347 | 40,136 | 6.1\% |
| 2009 | 5,168.0 | 123,446 | 41,864 | 4.3\% |
| 2010 | 5,213.9 | 122,889 | 42,428 | 1.3\% |
| 2011 | 5,202.5 | 121,919 | 42,671 | 0.6\% |
| 2012 | 5,283.6 | 121,963 | 43,322 | 1.5\% |
| 2013 | 5,483.8 | 124,525 | 44,038 | 1.7\% |

## Plan Data (continued)

## Recommended

 Board ActionAn analysis of changes in the member group is presented in the following chart.

|  | Active <br> Contributing <br> Members | Non-Contributing <br> Members | Annuitants |
| :--- | ---: | :---: | ---: |
| December 31, 2012 Valuation | $\mathbf{1 2 1 , 9 6 3}$ | $\mathbf{6 8 , 7 2 3}$ | $\mathbf{4 6 , 8 0 1}$ |
| Termination with Refund | $(5,599)$ | $(3,728)$ | - |
| Termination without Refund | $(8,004)$ | 8,004 | - |
| Active/Inactive Death with Annuity | $(123)$ | $(41)$ | 164 |
| Service Retirement | $(2,860)$ | $(1,358)$ | 4,218 |
| Disability Retirement | $(39)$ | $(21)$ | 60 |
| Annuitant Death without Beneficiary | - | - | $(1,235)$ |
| New Entrants | 17,934 | 2,946 | - |
| Rehires | 1,253 | $(1,065)$ | $(188)$ |
|  | $\mathbf{2 , 5 6 2}$ | $\mathbf{4 , 7 3 7}$ | $\mathbf{3 , 0 1 9}$ |
| Total Change | $\mathbf{1 2 4 , 5 2 5}$ | $\mathbf{7 3 , 4 6 0}$ | $\mathbf{4 9 , 8 2 0}$ |

We recommend the Board adopt the following:
(1) Approve the required pension plan contribution rates (listed in Appendix A of this report) for 2015 for plans with no changes in 2014 and for plans that adopt plan changes in 2014.
(2) Approve the 2015 premium rates (listed in Appendix C of this report) for the Group Term Life Fund.

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# Texas County \& District Retirement System System-wide Actuarial Valuation 

December 31, 2013

## Section 2 Valuation Results



We performed an actuarial valuation for each of the 656 active (and one inactive) employers participating in TCDRS as of December 31, 2013. This section discusses the summary results for all or a specific group of plans as well as the basis for the valuation. Key results for each employer can be found in Appendix A. Detailed information for each individual employer can be found in their specific valuation report on the TCDRS website.

The purpose of the actuarial valuation is to measure the funding status and to determine the employer contribution rate based on the assumptions, benefits and membership of each separate employer plan. Funding status is measured by the funded ratio for each plan, contribution rates are based on the funding method used.

Summary Results
The tables on the next few pages present:
(1) The summary of assets held by TCDRS Pension Trust Fund. Assets used to fund benefit obligations are the Employee Savings Fund (ESF), the Subdivision Accumulation Fund (SAF), and the Current Service Annuity Reserve Fund (CSARF). The Endowment Fund is used as a contingency fund. The Interest and Expense Funds are used for administrative purposes.
(2) The summary valuation results for all plans in total for both the 2012 and 2013 Actuarial Valuations.

# Texas County \& District Retirement System System-wide Actuarial Valuation 

Statements of Plan Net Assets
Pension Trust Fund
As of December 31, 2013 and 2012

|  |  | 2013 | 2012 |  |
| :---: | :---: | :---: | :---: | :---: |
| Assets |  |  |  |  |
| Cash and Cash Equivalents | \$ | 30,404,150 | \$ | 33,374,229 |
| Receivables: |  |  |  |  |
| Contributions |  | 77,776,056 |  | 71,245,908 |
| Investment Interest and Dividends |  | 18,379,755 |  | 30,799,837 |
| Securities-Lending Interest |  | 193,854 |  | 236,972 |
| Foreign Currency and Exchange Contracts |  | 4,494,363 |  | 63,213 |
| Employer Premiums |  | 0 |  | 0 |
| Other |  | 365,575 |  | 126,561 |
| Total Receivables |  | 101,209,603 |  | 102,472,491 |
| Prepaid Expenses and Other Assets |  | 365,095 |  | 300,558 |
| Investments, at Fair Value: |  |  |  |  |
| Investment-Grade Fixed Income |  | 1,121,361,520 |  | 1,455,845,048 |
| Domestic Equities |  | 5,103,865,956 |  | 3,759,666,446 |
| International Equities |  | 3,962,003,385 |  | 3,010,236,656 |
| Global Equities |  | 416,506,302 |  | 300,000,000 |
| High-Yield Investments |  | 3,025,912,619 |  | 3,099,017,529 |
| REITs |  | 663,965,637 |  | 641,201,474 |
| Hedge Funds |  | 5,676,314,651 |  | 5,336,078,479 |
| Master Limited Partnerships |  | 468,771,784 |  | 0 |
| TIPS |  | 47,728,844 |  | 102,475,240 |
| Private Equity |  | 1,765,621,656 |  | 1,354,384,105 |
| Private Real Estate |  | 340,064,479 |  | 248,227,990 |
| Commodities |  | 334,902,325 |  | 375,046,910 |
| Cash and Cash Equivalents |  | 121,976,337 |  | 96,990,643 |
| Total Investments |  | 23,048,995,495 |  | 19,779,170,520 |
| Invested Securities-Lending Collateral |  | 48,152,753 |  | 80,386,269 |
| Capital Assets, Net |  | 15,815,410 |  | 15,085,299 |
| Total Assets |  | 23,244,942,506 |  | 20,010,789,366 |
| LIABILITIES |  |  |  |  |
| Accounts Payable and Investments Payable |  | 25,617,768 |  | 21,408,872 |
| Funds Held for Optional Group Term Life Fund |  | 25,215,612 |  | 23,678,779 |
| Securities-Lending Collateral |  | 48,152,753 |  | 80,386,269 |
| Total Liabilities |  | 98,986,133 |  | 125,473,920 |
| Net Assets Held in Trust for Pension Benefits, Dec. 31 | \$ | 23,145,956,373 | \$ | 19,885,315,446 |

## Texas County \& District Retirement System <br> System-wide Actuarial Valuation <br> Changes in Plan Net Assets by Fund

|  | Employees Saving Fund |  | $\begin{gathered} \text { Subdivision } \\ \text { Accumulation } \\ \text { Fund } \\ \hline \end{gathered}$ |  | PensionCurrent ServiceAnnuity ReserveFund |  | rus |  | Income Fund |  | ExpenseFund |  | Totals |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | EndowmentFund |  |  |  |  |  |  |  |  |
| Additions |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Deposits and Contributions |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Employee Deposits and Employer Contributions | \$ | 367,313,130 |  |  | \$ | 644,462,694 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | 1,011,775,824 |
| Total Deposits and Contributions |  | 367,313,130 |  | 644,462,694 |  | - |  | - |  | - |  |  |  | 1,011,775,824 |
| Investment Income |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Net Appreciation in Fair Value of Investments Interest and Dividends |  | - |  | - |  | - |  | - |  | $\begin{array}{r} 3,137,612,454 \\ 133,168,922 \\ \hline \end{array}$ |  | - |  | $\begin{array}{r} 3,137,612,454 \\ 133,168,922 \\ \hline \end{array}$ |
| Total Investment Activity Income |  | - |  | - |  | - |  | - |  | 3,270,781,376 |  |  |  | 3,270,781,376 |
| Less Investment Activity Expenses |  | - |  | - |  | - |  | - |  | 33,486,227 |  | - |  | 33,486,227 |
| Net Income from Investment Activities |  | - |  | - |  | - |  | - |  | 3,237,295,149 |  |  |  | 3,237,295,149 |
| Net Income from Securities-Lending |  | - |  | - |  | - |  | - |  | 2,499,811 |  | - |  | 2,499,811 |
| Total Net Investment Income |  |  |  | - |  | - |  |  |  | 3,239,794,960 |  |  |  | 3,239,794,960 |
| Building Operations Income |  | - |  | - |  | - |  | - |  | - |  | 1,524,722 |  | 1,524,722 |
| Total Additions |  | 367,313,130 |  | 644,462,694 |  | - |  | - |  | 3,239,794,960 |  | 1,524,722 |  | 4,253,095,506 |
| Deductions |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Benefits Paid |  | - |  | 336,791,362 |  | 543,153,559 |  | 1,640 |  | - |  |  |  | 879,946,561 |
| Withdrawals |  | 91,018,703 |  | - |  | - |  | - |  | - |  |  |  | 91,018,703 |
| Terminating Employers' SAF Refunds |  |  |  | 46,835 |  | - |  | - |  | - |  | - |  | 46,835 |
| Interest Allocation to Optional Group Term Life Fund |  | - |  | - |  |  |  |  |  | 1,625,589 |  |  |  | 1,625,589 |
| Administrative \& Building Operations Expenses |  |  |  |  |  |  |  |  |  |  |  | 19,816,891 |  | 19,816,891 |
| Total Deductions |  | 91,018,703 |  | 336,838,197 |  | 543,153,559 |  | 1,640 |  | 1,625,589 |  | 19,816,891 |  | 992,454,579 |
| Transfers of Funds |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Retirement Allowances |  | $(334,765,783)$ |  | $(329,947,409)$ |  | 664,713,192 |  | - |  | - |  | - |  |  |
| Investment Income and Other |  | 361,216,432 |  | 2,043,038,369 |  | 371,931,808 |  | 443,382,762 |  | $(3,239,042,589)$ |  | 18,600,000 |  | - |
| Terminating Employer Transfers |  | 1,771,023 |  | $(1,961,553)$ |  | 190,530 |  |  |  |  |  |  |  |  |
| Escheated Accounts, net |  | 59,180 |  | - |  | - |  | $(59,180)$ |  | - |  |  |  | - |
| Net Transfers |  | 28,280,852 |  | 1,711,129,407 |  | 1,036,835,530 |  | 443,323,582 |  | (3,239,042,589) |  | 18,600,000 |  | - |
| Net Increase (Decrease) in Plan Net Assets |  | 304,575,279 |  | 2,018,753,904 |  | 493,681,971 |  | 443,321,942 |  | - |  | 307,831 |  | 3,260,640,927 |
| Net Assets Held in Trust for Pension Benefits: Beginning of Period, Jan. 1, 2013 |  | 5,364,310,297 |  | 8,884,143,139 |  | 5,284,200,702 |  | 328,734,837 |  | - |  | 23,926,471 |  | 19,885,315,446 |
| End of Period, Dec. 31, 2013 | \$ | 5,668,885,576 | \$ | 10,902,897,043 | \$ | 5,777,882,673 | \$ | 772,056,779 | \$ | - | \$ | 24,234,302 | \$ | 23,145,956,373 |

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# Texas County \& District Retirement System System-wide Actuarial Valuation 

## December 31, 2013

## Summary Actuarial Valuation Results



## Actuarial Value of Assets

## Valuation Basis

The actuarial value of assets for the SAF recognizes the difference between each year's actual and expected return of the SAF evenly over five-year periods. The actuarial value of the assets for the ESF and the CSARF are equal to the fund values.

Since the actuarial value is smoothed, it reflects only a portion of the gains and losses over the prior four years. The result is the SAF fund value is about $\$ 0.4$ billion more than the actuarial value of the SAF, which represents a net gain to be reflected in future valuations.

| Combined Fund Value* | $\$ 22.35$ billion |
| :--- | :---: |
| Actuarial Value of Combined Fund | $\$ 21.91$ billion |
| Fund Value/Actuarial Assets | $102 \%$ |
| * Combined Fund is ESF, SAF and CSARF. |  |

The actuarial value of assets (AVA) shown above is the sum of the AVA for each individual employer. Details on the derivation of the actuarial value of assets are provided in the employerspecific valuation reports.

A historical comparison of the actuarial value of assets and the actual total fund values is shown below:


Each year's actuarial valuation is dependent on the key components that are used in the valuation process. These include the actuarial assumptions used to project the probability of paying out benefits in the future, the actuarial cost method used to allocate costs to current and future periods the benefit provisions that indicate the amount of the expected benefit, and the membership data that indicate to whom the benefits may be paid.

## A. Assumptions

Each employer's valuation was based on actuarial assumptions adopted by the Board in 2013. The assumptions were studied during the 2009-2012 actuarial investigation of experience. A detailed disclosure is shown in Appendix D. Details on the assumptions for each employer are provided in the employerspecific valuation reports.

The demographic assumptions include probabilities of terminating active contributing and non-contributing membership due to withdrawal, death, disability or retirement. Withdrawal assumptions vary by age and years of service and by plan. The specific plan withdrawal assumption was based on that employer's experience during the investigative study period compared to the entire TCDRS experience.

Individual member salary increases are assumed to vary by length of service and by entry age group. The salary increases are based on both a general wage inflation component of 3.5\% and a merit, promotion and longevity component. The total salary increase over a member's career is expected to be about 4.9\% per year on average.

The economic assumptions are summarized below. The underlying price inflation assumption used to establish the economic assumptions is 3.0\%; however, the price inflation assumption itself is not directly used in the valuation.

| Economic Assumption |  |  |
| :--- | :---: | :---: |
| Annual Rate |  |  |
| Investment Return |  |  |
| Subdivision Accumulation Fund - SAF |  | $9.0 \%$ |
| Employee Savings Fund - ESF |  | $7.0 \%$ |
| Current Service Annuity Reserve Fund - |  |  |
| $\quad$ CSARF |  | $7.0 \%$ |
| Aggregate Investment Return | $8.0 \%$ |  |
| General Wage Inflation | $4.0 \%$ |  |
| Payroll Increase * | $3.5 \%$ or less |  |
| Price Inflation | $3.0 \%$ |  |
| Cost-of-Living Adjustments | $0 \%$ ** |  |

* The actual payroll increase assumption varies by plan based on experience from the last investigation of experience.
** TCDRS does not permit automatic Cost-of-Living Adjustments (COLAs) for post-retirement benefits. However, ad hoc COLAs are permitted.

We believe the assumptions adopted by the Board are reasonable as long-term average expectations and collectively represent reasonable expectations of experience over the long-term future. The next investigation of experience is scheduled to be performed in 2017, covering the period 2013-2016.

## B. Benefits

 the employer-specific valuation reports.Based on the results of each year's valuation, information is available to the individual employers about the cost to implement certain benefit increases or decreases, more generous retirement eligibility provisions, ad hoc COLAs for annuitants, and certain other changes. The COLA cost information is provided each spring with the employer's "Retirement Plan Assessment." Additional cost information is provided by TCDRS staff, upon request.

Following the valuation each year, an employer may elect to modify the plan provisions applicable to their employees for the subsequent plan year. During 2013, 124 plans made a total of 137 different benefit changes as summarized in the chart on the following page.

## B. Benefits (continued)

| Number <br> of <br> Changes | Type of Change |
| :---: | :--- |$|$| Added a one-time CPI-related COLA increase for |  |
| :--- | :--- |
| 45 | retired members' benefits |
| 32 | Added a one-time flat percentage increase to <br> retired members' benefits |
| 21 | Increased the Employer Match Rate |
| 17 | Increased the Employee Contribution Rate |
| 8 | Decreased the Employer Match Rate |
| 5 | Decreased the Employee Contribution Rate |
| 4 | Lowered the years of service for vesting |
| 2 | Added Rule of 75 Retirement Eligibility <br> 1 |
| 1 | Increased Prior Service Credits |
| 1 | Added a partial lump sum benefit feature |
| 137 | Added 20-Year Retirement Eligibility |

## C. Cost Method

The actuarial cost method refers to how benefits are assumed to be funded by contributions and investment income in an orderly manner. The result is that sufficient funds are expected to be accumulated by the time benefit payments commence. The determination of the employer contribution rate is based on the entry age cost method.

The entry age cost method will compute an annual cost - the normal cost rate - that is expected to accumulate funds evenly over a member's working career. For TCDRS, the rate is expressed as a percentage of pay. The normal cost as a percentage of pay is not expected to vary over the period of time the member participates in the plan. For an individual employer's plan, the total normal cost rate will remain fairly stable if the average age at hire or entry age of all employees remains level. All plans in TCDRS use the entry age cost method to compute annual costs.

Note that the 20-year (or 15-year) amortization of the Unfunded Actuarial Accrued Liability (UAAL) is over a closed period. In each successive year, a new layer is set up to amortize the actuarial gain or loss, assumption change, or plan change decrease over a new 20 -year period. Plan change increases are amortized over new 15 -year periods. If the plan has an Overfunded Actuarial Accrued Liability (OAAL), this amount is amortized over a rolling 30-year period. That is, each year the entire OAAL is refinanced over a 30year period.

All plans use the variable-rate funding method except for Dallas County. The County's fixed-rate contribution rate has to meet the same minimum funding standards as the variable rate plans.
D. Data

## Funded Status

The valuation is a snapshot measurement as of a single day, the valuation date, of the expected benefits to be paid by the employer to those members who have an interest in a future benefit payment. The valuation only considers members participating as of the valuation date and does not project or assume benefits for any employees not included in the membership on the valuation date. However, the active population of an individual employer is assumed to remain level for purposes of projecting payroll.

Thus, the measurement of the adequacy of any single employer's plan is dependent not only on the assumptions used to project benefit payments, and the plan provisions which define the benefit amounts, but also by the members actually participating on each valuation date. The total membership of all plans as of December 31, 2013 is shown on page 8 of this report in the table entitled "Total System Membership as of December 31."

The makeup of each individual employer plan within TCDRS varies significantly, not only by benefit provisions, but also by membership size. The median number of contributing members is slightly less than 50, so over half the participating employers have less than 50 contributing members. The following graph indicates the number of plans by size as measured by the number of contributing members.


As mentioned earlier, one purpose of the valuation is to measure the funding status of each plan. The funding status can be determined several ways. One measurement required by GASB (the Governmental Accounting Standards Board) is the Funded Ratio. The Funded Ratio is the value of the Actuarial Value of Assets over the Actuarial Accrued Liability, all measured as of a single date - the valuation date.

## Funded Status (continued)

## Contribution Rates

If the funded ratio is less than $100 \%$, the plan has a UAAL, or a measured shortfall from the expected accumulated prior years normal cost contributions. If the ratio is more than 100\%, the plan has an OAAL, or a measured excess from the expected accumulated prior years normal cost contributions.

Differences between the Actuarial Accrued Liability and the assets arise primarily due to experience different than the assumptions and benefit changes that are applied retroactively to accrued service credits.

The following graph shows a comparison of the Funded Ratio for all plans that were active in both the December 31, 2012 and the December 31, 2013 actuarial valuations. Note that Actuarial Assets are the sum of the actuarial value of the SAF and the ESF.

Comparison of Funded Ratios (Actuarial Assets/Accrued Liability)


On a system-wide basis, the aggregate funded ratio increased from $88.2 \%$ to $89.4 \%$. Similarly, on the individual employer level, the funded ratios of most employers declined slightly.

Another measurement of the valuation results is to study how much the employer contribution rates have changed over the past year due to experience and assumption changes. Contribution rates can also change due to benefit plan provisions. However, the following discussions of changes in rates only reflect experience changes.

As shown on the following page, $15.9 \%$ of the 657 active plans had a contribution rate increase. Of these, $4.1 \%$ (26 plans) had a contribution rate increase greater than $0.35 \%$ of pay. Most of these increases in contribution rates were due to demographic experience that differed from expected among smaller-sized plans.

## Contribution Rates (continued)

Changes in contribution rates are measured from the actual 2014 rate to the calculated rate for 2015. The actual 2014 rate is based on the 2012 valuation, but adjusted for any benefit changes adopted during 2013.
84.1\% of the plans had either a decrease or no change in the total employer contribution rate since last year's valuation.

Change in Total Employer Contribution Rates Active Plans (2014 to 2015)


- decrease of more than 0.35\%
adecrease of $0.35 \%$ or less (or no change) aincrease of $0.35 \%$ or less
aincrease greater than 0.35\%

For comparison purposes, information regarding the percentage of plans with changes in variable-rate employer contribution rates from past valuations is reported below:

|  | Decrease or No Change | Increase of $0.35 \%$ or Less | Increase Greater Than 0.35\% |
| :---: | :---: | :---: | :---: |
| 2001* | 66.5 | 24.4 | 9.1 |
| 2002 | 35.4 | 45.1 | 19.5 |
| 2003 | 92.4 | 6.2 | 1.4 |
| 2004 | 72.9 | 22.2 | 4.9 |
| 2005* | 39.0 | 35.2 | 25.8 |
| 2006 | 89.4 | 8.4 | 2.2 |
| 2007 | 58.7 | 34.9 | 6.4 |
| 2008 | 19.2 | 14.0 | 66.8 |
| 2009* | 67.9 | 27.6 | 4.5 |
| 2010 | 26.7 | 42.2 | 31.1 |
| 2011 | 28.7 | 33.6 | 37.7 |
| 2012 | 31.3 | 28.6 | 40.1 |
| 2013* | 84.1 | 11.9 | 4.1 |

Note: Contribution rate changes exclude the impact of post-valuation employer-elected plan changes.

## Contribution Rates (continued)

The graph below compares the number of plans in the 2012 valuation to the number in the 2013 Actuarial Valuation that had a change in the total employer contribution rate as measured by the size of the change.

Change in the Total Employer Contribution Rates


A detailed analysis of the rate changes was performed as part of the 2013 valuation process for each variable-rate plan. There are many factors that are measured when comparing one year's expected valuation results to the actual results a year later. The following table lists the factors which had the most significant impact on contribution rates. Appendix B lists each variable-rate plan that had a significant rate change from the 2012 to 2013 Actuarial Valuation, the amount of the rate change and the major reasons for the change.

## Sources of Contribution Rate Change (Greater than $\mathbf{0 . 2 5 \%}$ of Payroll)

| Sources of Decrease | \# of Plans |
| :--- | ---: |
| Actual vs. Expected Termination | 170 |
| Salary / Payroll Variation | 74 |
| Investment Income | 57 |
| Elected Rate > Actual Rate | 45 |
| Employer Lump-Sum Contribution | 44 |
| Actual vs. Expected Retiree Mortality | 18 |
| Actual vs. Expected Retirement | 17 |
| Investigation of Experience | 12 |
| Change in Average Entry Age | 12 |
| Changes in Plan Provisions | 11 |
| $\quad$ \# of Plans |  |
| Sources of Increase | 80 |
| Salary / Payroll Variation | 56 |
| Changes in Plan Provisions | 23 |
| Actual vs. Expected Termination | 14 |
| Investment Income | 9 |
| Change in Average Entry Age | 9 |
| Actual vs. Expected Retiree Mortality | 3 |
| Actual vs. Expected Retirement | 2 |

## Experience Analysis - Contribution Rates (continued)

Investment Income refers to the impact of the actual SAF return on an actuarial basis as compared to the assumed rate of $9.0 \%$. For the 2013 valuation, this also includes the impact of the adoption of five-year asset smoothing.

Changes in Plan Provisions refers to the impact on the required contribution rate due to a plan change.

Actual vs. Expected Termination refers to the impact of both the probability a member ceases active employment and whether or not they withdrew their employee contributions, thereby forfeiting their right to an employer-provided benefit.

Salary I Payroll Variation refers to the impact of how the total amount of the employer's payroll changed from the prior valuation different from what was expected based on assumptions. This includes the impact of changes in individual salary different than assumed. Greater than expected increases in payroll generally mean a lower contribution rate is necessary to pay off the UAAL.

An Elected Rate > Actual Rate creates gains, or decreases in contribution rates, as the employer is contributing more than the calculated rate.

Actual vs. Expected Retiree Mortality refers to the probability a retired member dies at a certain age, and impacts the employer rates only if a supplemental annuity benefit is being paid.

Employer Lump-Sum Contribution creates gains as more employer contributions than expected were received.

Change in Average Entry Age refers to a shift in the makeup of the employer's membership group due to employees who left and returned, and others newly hired. Under the entry age cost method, a change in the average entry age results in a change in the normal cost rate.

Actual vs. Expected Active Mortality refers to the probability a non-retired member dies. More deaths than expected will generally result in a gain, creating a decrease in the employer contribution rate.

Actual vs. Expected Retirement refers to the probability a nonretired member retires. More retirements than expected will generally result in a loss, creating an increase in the employer contribution rate.

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# Texas County \& District Retirement System System-wide Actuarial Valuation 

December 31, 2013

## Section 3 Funding Adequacy Based on 2013 Results



Active Plan Funding

For active plans, the actuarially determined rate is considered an adequate rate to fund benefits, based on the nature of the funding method. All plans fund based on a variable-rate method (except for Dallas County), where their contribution rate is recalculated each year. Dallas County has slightly different funding requirements that meet or exceed the requirements for all other plans.

Variable-rate plans with an OAAL have a Funding Excess. The Funding Excess is the amount by which the actuarial value of assets exceeds the Actuarial Accrued Liability. For GASB reporting purposes, the Funding Excess must be recognized and amortized over a period of time. The amortization payment of the Funding Excess is treated as an offset to any required employer contribution rate. Thus, the resulting calculated contribution rate is less than the normal cost contribution rate.

Under Board policy, for variable-rate plans the UAAL, as of December 31, 2008, is amortized over a closed 20 years starting January 1, 2010. Subsequent changes are amortized over 20 years creating a new layer of payment, except for plan change increases which are amortized over 15 years. Any OAAL is amortized over a rolling 30 years.

## Inactive Plans

There is currently one inactive plan where neither the members nor the employer are contributing to TCDRS. Adjustments in benefits may be needed based on the current and expected funding status of this plan. The unfunded amount for this plan is currently being funded by an active employer; therefore, we are recommending no adjustments be made at this time.

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# Texas County \& District Retirement System System-wide Actuarial Valuation 

December 31, 2013

## Section 4 Analysis of Retired Member Payments - CSARF



When a member retires, the accumulated contribution credits in all of his or her accounts in TCDRS are converted into a monthly benefit. The monthly benefit amount is determined to be paid as two types of annuities. The current service annuity is based on the employee's account value and the first 100\% employer matching contributions. The supplemental benefit amount is based on all other account values, including employer matching contributions in excess of 100\%, if any.

All supplemental benefit annuity payments are made from the Subdivision Accumulation Fund (SAF). However, at the time of retirement, all funds used to determine the current service annuity are transferred from the applicable employer's SAF accounts and the member's Employee Savings Fund (ESF) account into the Current Service Annuity Reserve Fund (CSARF), which is a pooled fund. Thus, no actuarial gains or loses occurring for the current service annuity payments are reflected in an individual employer's valuation. Each year, the actuary reviews the funding status of the pooled CSARF to determine if the fund is adequate to pay all projected current service annuity payments.

The following table summarizes the changes in the CSARF. Based on the value of the expected benefits as of December 31, 2013, there was an actuarial loss during the year of $\$ 22.7$ million due to a combination of the current transfers to the CSARF being insufficient to fund the benefits and fewer deaths than expected by the assumptions. This resulted in a decrease in the dollar amount of the surplus. The CSARF is still expected to be sufficient to fund all future payments for current retirees; however, the margin is decreasing, so we recommend that action be taken to address this issue, such as strengthening the annuity purchase rates or merging the CSARF with the employer funds.

| CSARF Experience | (All values in millions) |  |
| :---: | :---: | :---: |
|  | 12/31/2013 <br> Valuation | $12 / 31 / 2012$ Valuation |
| Beginning Surplus | \$73.1 | \$75.7 |
| Interest | 5.1 | 5.3 |
| Experience Gain / (Loss) | (22.7) | (7.9) |
| Change in Assumptions | (0.7) | - |
| Ending Surplus | \$54.8 | \$73.1 |
| Total CSARF Liability | \$5,723.1 | \$5,211.1 |
| Surplus as a Percentage of Total Liability | 1.0\% | 1.4\% |

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# Texas County \& District Retirement System System-wide Actuarial Valuation 

December 31, 2013

## Section 5 Group Term Life Fund



The TCDRS Act provides a group term life insurance benefit. The benefit coverage can be adopted by the employers for either their current eligible active employees or for both their eligible active and retired employees.

Active employees are insured for an amount equal to their annual rate of pay at the time of death. Retired employees are insured for a fixed amount of \$5,000. Life insurance benefits are paid as a lump-sum payment.

An annual valuation is performed to determine the premium rates for active and retired employees based on age and gender. An individual employer's premium is then based on the demographic makeup and salaries of its covered employee group.

The Group Term Life Fund (GTLF) is pooled with the TCDRS funds for investment purposes, but its benefit obligations are separate from the TCDRS obligations.

The following graph shows a comparison of the GTLF rates for all active employers, including those that do not participate in the GTLF. On average, there was a slight increase in calculated employer premium rates based on the 2013 valuation results. A full listing of the GTLF contribution rates is shown in Appendix C.

Change in Group Term Life Rates


## Group Term Life Fund Experience

The table below reports the financial condition of the GTL Fund as of December 31, 2012 and December 31, 2013. During 2013, the GTL Fund experience was slightly negative, since the benefit payments exceeded the contributions by $2 \%$. However, due to interest credited on the prior year surplus, the dollar amount of the surplus increased. The current surplus amount should be adequate to cover any adverse experience during 2014.

1. Fund at the beginning of the year

| $\$ 23,299,773$ |  | $\$ 21,704,456$ |
| ---: | ---: | ---: |
| $4,203,456$ |  | $3,949,356$ |
| $1,625,589$ |  |  |
|  |  | $1,524,820$ |

5. Supplemental death benefit payments made during the year
6. Less payments in the year for deaths occurring in the previous year
7. Plus payments in the following year for deaths occurring in the current year
\$ 4,318,663 \$ 3,878,859
$(663,146)$
8. Total incurred death benefits (actual benefits)

| 631,284 |  | 663,146 |
| ---: | ---: | ---: |
|  |  |  |
| $4,286,801$ |  | $4,288,117$ |
| $\$ 24,810,155$ | $\$ 23,299,773$ |  |

10. Expected benefits during the year
\$ 4,203,456
\$ 3,949,356
11. Ratio of incurred benefits to premiums (8. / 2.)
1.020
1.086
12. Ratio of ending surplus to premiums (9. / 2.)
5.902
5.900

Number of employees covered at the end
39,841
38,876 of the year
Number of employers participating at the end 279 275 of the year

Weighted average GTL contribution rate 0.31\% 0.31\% (based on prior year's covered payroll)

Benefits provided by the GTLF must be reported under Government Accounting Standards Board Statements No. 43 (system) and No. 45 (employer), if retirees are covered. Results for TCDRS are shown at the end of the Actuarial Section in the December 31, 2013 CAFR.

# Texas County \& District Retirement System System-wide Actuarial Valuation 

December 31, 2013

## Section 6 Glossary



## Accrued Benefit

## Actuarial Accrued Liability

## Actuarial Assumptions

## Actuarial Gain (Loss)

## Actuarial Present Value

Actuarial Valuation

Actuarial Value of Assets

## Actuarially Equivalent

## Average Age of Contributing Members

Average Length of Service of Contributing Members

The following definitions include excerpts from a list adopted in 1994 by the major actuarial organizations in the United States. In some cases, the definitions have been modified for specific applicability to TCDRS and include terms used exclusively by TCDRS. Defined terms are capitalized throughout this Section.

The amount of an individual's benefit (whether or not vested) as of a specific date, determined in accordance with the terms of a pension plan and based on compensation and service to that date.

That portion, as determined by a particular Actuarial Cost Method, of the Actuarial Present Value of pension plan benefits and expenses which is not provided for by future Normal Costs.

Assumptions as to the occurrence of future events affecting pension costs, such as: mortality, termination, disablement, and retirement; changes in compensation; rates of investment earnings and asset appreciation or depreciation; procedures used to determine the Actuarial Value of Assets; and other relevant items.

A measure of the difference between actual experience and that expected based on a set of Actuarial Assumptions during the period between two Actuarial Valuation dates, as determined in accordance with a particular Actuarial Cost Method.

The value of an amount or series of amounts payable or receivable at various times, determined as of a given date by the application of a particular set of Actuarial Assumptions.

The determination, as of a Valuation Date, of the Normal Cost, Actuarial Accrued Liability, Actuarial Value of Assets, and related Actuarial Present Values for a pension plan.

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.

Of equal Actuarial Present Value, determined as of a given date with each value based on the same set of Actuarial Assumptions.

The average attained age as of the Valuation Date, weighted by the average monthly deposit for the year preceding the Valuation Date.

The average length of total credited service in TCDRS as of the Valuation Date, weighted by the average monthly deposit for the year preceding the Valuation Date.

## Current Service Benefits <br> Employer Contribution Rate

Entry Age Actuarial Cost Method

Fixed-Rate Plan

## Multiple Matching Benefits

## Normal Cost

## Normal Cost Contribution Rate

## Plan Year

Prior Service Benefits

Benefits attributable to the member's accumulated deposits and a matching amount provided by the employer.

The sum of the Normal Cost Contribution Rate and the Unfunded Actuarial Accrued Liability Contribution Rate. Both rates are expressed as a percent of compensation. The calculated Employer Contribution Rate will go into effect, one year after the Valuation Date.

A method under which the Actuarial Present Value of the Projected Benefits of each individual included in an Actuarial Valuation is allocated on a level basis over the earnings or service of the individual between entry age and assumed exit ages. The portion of this Actuarial Present Value allocated to a valuation year is called the Normal Cost. The portion of this Actuarial Present Value not provided for at a Valuation Date by the Actuarial Present Value of future Normal Costs is called the Actuarial Accrued Liability.

A plan of retirement, death, and disability benefits for which the employer adopts an employee contribution rate ( $4 \%, 5 \%, 6 \%$, or $7 \%$ ), which also becomes the Employer Contribution Rate. The actuary determines the plan of benefits that can be adequately financed by the commitment of the employer to contribute the same amount as the member employees. The plan of benefits, adopted at plan inception and when benefit increases are adopted, is limited by statute to benefits that allow the UAAL to be amortized over a period of no more than 20 years. If a plan has had adverse experience (i.e., predominantly actuarial losses over time), the law has provisions which allow the employer to contribute at a rate above the employee contribution rate or to reduce benefits accruing in the future. Currently, there is only one fixed-rate plan, Dallas County. The County's fixedrate contribution rate has to meet the same minimum funding standards as the variable rate plans.

Benefits attributable to an amount provided by the employer as a percentage of the member's accumulated deposits in excess of the Current Service Benefit matching amount.

That portion of the Actuarial Present Value of pension plan benefits and expenses which is allocated to a valuation year by the Actuarial Cost Method.

A rate equal to the Actuarial Present Value at hire of Projected Benefits divided by the Actuarial Present Value at hire of anticipated future compensation. It is calculated for each contributing member, and the average is determined, weighted by compensation.

A 12-month period beginning January 1 and ending December 31.
Benefits attributable to an amount provided by the employer for service rendered by an employee prior to the date of participation of the employer in the System.

Projected Benefits

## Overfunded Actuarial Accrued Liability (OAAL)

## Supplemental Contribution Rate

Total Fund Value
Unfunded Actuarial
Accrued Liability
(UAAL)

UAAL Contribution Rate

Valuation Date

Variable-Rate Plan

Those pension plan benefit amounts which are expected to be paid at various future times under a particular set of Actuarial Assumptions, taking into account such items as the effect of advancement in age and past and anticipated future compensation and service credits.

The excess, if any, of the Actuarial Value of Assets over the Actuarial Accrued Liability. Standard actuarial terminology defines this as the "Funding Excess". TCDRS uses the term "Overfunded Actuarial Accrued Liability".

Fixed-rate plans contribute the same percent of payroll as the members. In cases where this contribution is not sufficient to adequately fund the plan, an additional contribution may be required. This is referred to as the Supplemental Contribution Rate.

The sum of the fund value of the ESF, SAF and CSARF as of the valuation date.

The excess, if any, of the Actuarial Accrued Liability over the Actuarial Value of Assets.

The level percent of covered payroll to amortize the UAAL over a closed period of 20 years ( 15 years for plan changes). If the plan has an Overfunded Actuarial Accrued Liability, it is amortized over an open period of 30 years as a negative UAAL, and the resulting negative UAAL Contribution Rate is offset against the Normal Cost Contribution Rate.

The date upon which the Normal Cost, Actuarial Accrued Liability, and Actuarial Value of Assets are determined. Generally, the Valuation Date will coincide with the ending of a Plan Year.

A plan of retirement, death and disability benefits adopted by the employer for which the actuary annually determines the Employer Contribution Rate so that the rate is expected to remain approximately level as a percent of the employer's covered payroll from year to year. If there are predominantly actuarial gains over time, the rate will decrease from year to year. Conversely, predominantly actuarial losses over time will cause the rate to increase from year to year.

## Texas County \& District Retirement System <br> System-wide Actuarial Valuation

December 31, 2013

Appendix A Summary Valuation Results by Employer

| Employer | Employer | Required Contribution Rate |  |  | Funded Ratio at December 31 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Name | 2015 | 2014 | Change | 2013 | 2012 | Change |
| 638 | Acton Municipal Utility District | 7.13\% | 7.60\% | (0.47\%) | 91\% | 88\% | 3\% |
| 789 | Agua Special Utility District | 4.73\% | 5.17\% | (0.44\%) | 90\% | 77\% | 13\% |
| 615 | Alamo Area Council of Governments | 7.36\% | 7.95\% | (0.59\%) | 91\% | 88\% | 3\% |
| 100 | Anderson County | 11.54\% | 11.29\% | 0.25\% | 79\% | 77\% | 2\% |
| 691 | Anderson County Central Appraisal District | 6.07\% | 6.86\% | (0.79\%) | 93\% | 88\% | 5\% |
| 101 | Andrews County | 15.94\% | 16.06\% | (0.12\%) | 81\% | 80\% | 1\% |
| 875 | Andrews County Appraisal District | 10.92\% | 10.92\% | 0.00\% | 38\% | N/A | N/A |
| 684 | Angelina \& Nacogdoches Counties WCID \#1 | 7.76\% | 8.11\% | (0.35\%) | 93\% | 91\% | 2\% |
| 102 | Angelina County | 9.99\% | 10.05\% | (0.06\%) | 87\% | 85\% | 2\% |
| 502 | Angelina County Appraisal District | 11.72\% | 12.12\% | (0.40\%) | 89\% | 89\% | 0\% |
| 576 | Angleton Drainage District | 8.92\% | 9.93\% | (1.01\%) | 92\% | 90\% | 2\% |
| 614 | Aquilla Water Supply District - Hill County | 10.06\% | 10.38\% | (0.32\%) | 78\% | 75\% | 3\% |
| 103 | Aransas County | 8.50\% | 8.75\% | (0.25\%) | 90\% | 88\% | 2\% |
| 459 | Aransas County Appraisal District | 19.88\% | 20.03\% | (0.15\%) | 79\% | 78\% | 1\% |
| 668 | Aransas County Navigation District | 10.93\% | 11.26\% | (0.33\%) | 95\% | 92\% | 3\% |
| 104 | Archer County | 7.82\% | 8.44\% | (0.62\%) | 88\% | 84\% | 4\% |
| 503 | Archer County Appraisal District | 7.45\% | 7.90\% | (0.45\%) | 98\% | 98\% | 0\% |
| 105 | Armstrong County | 5.25\% | 6.13\% | (0.88\%) | 105\% | 101\% | 4\% |
| 106 | Atascosa County | 7.23\% | 7.62\% | (0.39\%) | 91\% | 90\% | 1\% |
| 551 | Atascosa County Appraisal District | 11.13\% | 11.48\% | (0.35\%) | 91\% | 90\% | 1\% |
| 107 | Austin County | 8.18\% | 8.58\% | (0.40\%) | 90\% | 89\% | 1\% |
| 461 | Austin County Appraisal District | 8.25\% | 8.31\% | (0.06\%) | 101\% | 101\% | 0\% |
| 597 | Bacliff Municipal Utility District | 6.55\% | 6.88\% | (0.33\%) | 93\% | 91\% | 2\% |
| 108 | Bailey County | 5.81\% | 6.45\% | (0.64\%) | 89\% | 87\% | 2\% |
| 109 | Bandera County | 9.40\% | 9.66\% | (0.26\%) | 89\% | 86\% | 3\% |
| 110 | Bastrop County | 9.92\% | 9.97\% | (0.05\%) | 88\% | 87\% | 1\% |
| 812 | Bastrop County ESD \#1 | 4.98\% | 5.26\% | (0.28\%) | 112\% | 107\% | 5\% |
| 111 | Baylor County | 9.18\% | 9.78\% | (0.60\%) | 91\% | 89\% | 2\% |
| 685 | Baylor County Appraisal District | 6.23\% | 6.56\% | (0.33\%) | 96\% | 93\% | 3\% |
| 613 | Bayview Irrigation District \#11 | 4.26\% | 5.08\% | (0.82\%) | 99\% | 98\% | 1\% |
| 690 | Bayview Municipal Utility District | 1.33\% | 1.58\% | (0.25\%) | 149\% | 135\% | 14\% |
| 112 | Bee County | 6.89\% | 7.51\% | (0.62\%) | 95\% | 94\% | 1\% |
| 113 | Bell County | 12.69\% | 12.87\% | (0.18\%) | 83\% | 82\% | 1\% |
| 506 | Bell County Appraisal District | 10.62\% | 10.77\% | (0.15\%) | 86\% | 85\% | 1\% |
| 418 | Bell County WCID \#1 | 4.63\% | 4.95\% | (0.32\%) | 92\% | 88\% | 4\% |
| 708 | Benbrook Water Authority | 7.93\% | 8.14\% | (0.21\%) | 87\% | 85\% | 2\% |
| 472 | Bexar Appraisal District | 11.61\% | 13.15\% | (1.54\%) | 95\% | 93\% | 2\% |
| 114 | Bexar County | 13.18\% | 13.31\% | (0.13\%) | 83\% | 81\% | 2\% |
| 861 | Bexar County ESD No. 2 | 2.27\% | 2.19\% | 0.08\% | 80\% | N/A | N/A |
| 828 | Bexar County ESD 7 | 5.62\% | 5.73\% | (0.11\%) | 83\% | N/A | N/A |
| 544 | Bexar County WCID \#10 | 7.69\% | 7.81\% | (0.12\%) | 82\% | 81\% | 1\% |
| 716 | Bexar Metro 9-1-1 Network District | 2.45\% | 5.07\% | (2.62\%) | 114\% | 106\% | 8\% |
| 737 | Bexar-Medina-Atascosa WCID \#1 | 8.23\% | 9.19\% | (0.96\%) | 98\% | 90\% | 8\% |
| 616 | Bistone Municipal WSD - Limestone County | 13.85\% | 13.78\% | 0.07\% | 85\% | 84\% | 1\% |
| 115 | Blanco County | 8.53\% | 8.80\% | (0.27\%) | 86\% | 83\% | 3\% |
| 116 | Borden County | 16.00\% | 15.75\% | 0.25\% | 78\% | 77\% | 1\% |
| 525 | Borden County Appraisal District | 3.78\% | 4.04\% | (0.26\%) | 141\% | 149\% | (8\%) |
| 117 | Bosque County | 4.70\% | 4.80\% | (0.10\%) | 102\% | 102\% | 0\% |
| 521 | Bosque County Central Appraisal District | 11.02\% | 12.57\% | (1.55\%) | 94\% | 91\% | 3\% |
| 118 | Bowie County | 10.82\% | 10.60\% | 0.22\% | 86\% | 86\% | 0\% |

## Appendix A - Summary Valuation Results by Employer

| Employer | Employer | Required Contribution Rate |  |  | Funded Ratio at December 31 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Name | 2015 | 2014 | Change | 2013 | 2012 | Change |
| 119 | Brazoria County | 12.32\% | 12.30\% | 0.02\% | 84\% | 82\% | 2\% |
| 508 | Brazoria County Appraisal District | 11.12\% | 11.70\% | (0.58\%) | 89\% | 87\% | 2\% |
| 413 | Brazoria County Cons. and Rec. District \#3 | 17.54\% | 18.05\% | (0.51\%) | 80\% | 78\% | 2\% |
| 424 | Brazoria County Drainage District \#4 | 8.89\% | 10.05\% | (1.16\%) | 102\% | 98\% | 4\% |
| 681 | Brazoria County Drainage District \#5 | 4.31\% | 4.62\% | (0.31\%) | 99\% | 96\% | 3\% |
| 689 | Brazos Central Appraisal District | 13.14\% | 13.50\% | (0.36\%) | 88\% | 85\% | 3\% |
| 120 | Brazos County | 13.39\% | 13.58\% | (0.19\%) | 83\% | 81\% | 2\% |
| 600 | Brazos County ECD | 7.59\% | 7.99\% | (0.40\%) | 97\% | 96\% | 1\% |
| 849 | Brazos Regional Public Utility Agency | 7.99\% | 8.01\% | (0.02\%) | 65\% | N/A | N/A |
| 744 | Brazos River Authority | 7.33\% | 7.78\% | (0.45\%) | 93\% | 88\% | 5\% |
| 806 | Brazos Valley Council of Governments | 6.40\% | 6.56\% | (0.16\%) | 81\% | 72\% | 9\% |
| 809 | Brazos Valley GCD | 13.70\% | 12.38\% | 1.32\% | 77\% | N/A | N/A |
| 121 | Brewster County | 10.76\% | 11.35\% | (0.59\%) | 83\% | 81\% | 2\% |
| 581 | Brewster County Appraisal District | 7.88\% | 8.78\% | (0.90\%) | 95\% | 91\% | 4\% |
| 745 | Bright Star-Salem Special Utility District | 3.41\% | 4.11\% | (0.70\%) | 112\% | 104\% | 8\% |
| 122 | Briscoe County | 6.51\% | 7.12\% | (0.61\%) | 99\% | 97\% | 2\% |
| 876 | Brookesmith Special Utility District | 2.79\% | 2.86\% | (0.07\%) | 20\% | N/A | N/A |
| 123 | Brooks County | 7.08\% | 8.23\% | (1.15\%) | 106\% | 104\% | 2\% |
| 554 | Brookshire - Katy Drainage District | 4.60\% | 4.39\% | 0.21\% | 95\% | 95\% | 0\% |
| 522 | Brookshire Municipal Water District | 3.75\% | 6.04\% | (2.29\%) | 107\% | 99\% | 8\% |
| 124 | Brown County | 7.28\% | 7.48\% | (0.20\%) | 88\% | 86\% | 2\% |
| 702 | Brownsville Irrigation District | 5.65\% | 6.03\% | (0.38\%) | 87\% | 84\% | 3\% |
| 642 | Brushy Creek MUD - Williamson County | 6.08\% | 6.55\% | (0.47\%) | 106\% | 103\% | 3\% |
| 125 | Burleson County | 8.36\% | 8.36\% | 0.00\% | 83\% | 82\% | 1\% |
| 609 | Burnet Central Appraisal District | 19.03\% | 20.24\% | (1.21\%) | 78\% | 74\% | 4\% |
| 126 | Burnet County | 12.25\% | 12.43\% | (0.18\%) | 80\% | 79\% | 1\% |
| 127 | Caldwell County | 3.92\% | 4.00\% | (0.08\%) | 98\% | 98\% | 0\% |
| 718 | Caldwell County Appraisal District | 8.99\% | 9.34\% | (0.35\%) | 82\% | 80\% | 2\% |
| 128 | Calhoun County | 11.04\% | 11.60\% | (0.56\%) | 89\% | 86\% | 3\% |
| 709 | Calhoun County Appraisal District | 9.10\% | 9.31\% | (0.21\%) | 91\% | 88\% | 3\% |
| 788 | Calhoun County E911 ECD | 10.78\% | 11.08\% | (0.30\%) | 88\% | 83\% | 5\% |
| 129 | Callahan County | 6.81\% | 7.07\% | (0.26\%) | 88\% | 86\% | 2\% |
| 542 | Callahan County Appraisal District | 6.20\% | 6.57\% | (0.37\%) | 93\% | 92\% | 1\% |
| 130 | Cameron County | 9.27\% | 9.62\% | (0.35\%) | 90\% | 88\% | 2\% |
| 618 | Cameron County Appraisal District | 12.45\% | 13.02\% | (0.57\%) | 88\% | 86\% | 2\% |
| 692 | Cameron County Drainage District \#1 | 4.74\% | 4.90\% | (0.16\%) | 99\% | 97\% | 2\% |
| 664 | Cameron County Drainage District \#3 | 4.42\% | 4.59\% | (0.17\%) | 99\% | 97\% | 2\% |
| 686 | Cameron County Drainage District \#5 | 8.93\% | 9.40\% | (0.47\%) | 94\% | 92\% | 2\% |
| 851 | Cameron County ECD | 9.07\% | 9.05\% | 0.02\% | 69\% | N/A | N/A |
| 462 | Cameron County Irrigation District \#2 | 6.19\% | 5.95\% | 0.24\% | 89\% | 87\% | 2\% |
| 590 | Cameron County Irrigation District \#6 | 5.08\% | 6.24\% | (1.16\%) | 93\% | 87\% | 6\% |
| 670 | Camp Central Appraisal District | 3.70\% | 3.17\% | 0.53\% | 105\% | 106\% | (1\%) |
| 131 | Camp County | 12.05\% | 12.45\% | (0.40\%) | 81\% | 81\% | 0\% |
| 132 | Carson County | 11.68\% | 15.41\% | (3.73\%) | 88\% | 73\% | 15\% |
| 133 | Cass County | 11.02\% | 11.21\% | (0.19\%) | 82\% | 81\% | 1\% |
| 610 | Cass County Appraisal District | 9.59\% | 9.31\% | 0.28\% | 86\% | 88\% | (2\%) |
| 134 | Castro County | 11.02\% | 11.18\% | (0.16\%) | 89\% | 88\% | 1\% |
| 719 | Central Appraisal District of Bandera County | 8.66\% | 9.34\% | (0.68\%) | 91\% | 85\% | 6\% |
| 635 | Central Appraisal District of Johnson County | 10.03\% | 11.00\% | (0.97\%) | 92\% | 88\% | 4\% |
| 602 | Central Appraisal District of Taylor County | 8.34\% | 8.84\% | (0.50\%) | 91\% | 90\% | 1\% |
| 862 | Central Texas GCD | 3.98\% | 3.97\% | 0.01\% | 77\% | N/A | N/A |
| 712 | Central Texas Regional Mobility Authority | 11.72\% | 12.15\% | (0.43\%) | 105\% | 104\% | 1\% |
| 648 | Central WCID - Angelina County | 8.34\% | 7.72\% | 0.62\% | 86\% | 78\% | 8\% |
| 135 | Chambers County | 14.22\% | 14.54\% | (0.32\%) | 83\% | 82\% | 1\% |
| 531 | Chambers County Appraisal District | 5.04\% | 5.59\% | (0.55\%) | 109\% | 107\% | 2\% |
| 548 | Chambers County Public Hospital District | 5.03\% | 5.31\% | (0.28\%) | 101\% | 98\% | 3\% |
| 136 | Cherokee County | 9.75\% | 9.61\% | 0.14\% | 80\% | 79\% | 1\% |
| 137 | Childress County | 3.96\% | 4.12\% | (0.16\%) | 89\% | 87\% | 2\% |
| 511 | Childress County Appraisal District | 7.44\% | 7.18\% | 0.26\% | 77\% | 77\% | 0\% |
| 582 | Childress County Hospital District | 4.61\% | 4.87\% | (0.26\%) | 99\% | 98\% | 1\% |

## Appendix A - Summary Valuation Results by Employer

| Employer | Employer | Required Contribution Rate |  |  | Funded Ratio at December 31 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Name | 2015 | 2014 | Change | 2013 | 2012 | Change |
| 138 | Clay County | 10.43\% | 10.80\% | (0.37\%) | 83\% | 81\% | 2\% |
| 485 | Clay County Appraisal District | 19.72\% | 18.86\% | 0.86\% | 63\% | 63\% | 0\% |
| 703 | Coastal Bend GCD | 3.76\% | 6.14\% | (2.38\%) | 116\% | 97\% | 19\% |
| 722 | Coastal Plains GCD | 5.36\% | 5.63\% | (0.27\%) | 99\% | 97\% | 2\% |
| 139 | Cochran County | 9.83\% | 11.25\% | (1.42\%) | 89\% | 85\% | 4\% |
| 477 | Cochran County Appraisal District | 5.58\% | 5.64\% | (0.06\%) | 104\% | 106\% | (2\%) |
| 140 | Coke County | 14.02\% | 14.52\% | (0.50\%) | 80\% | 77\% | 3\% |
| 751 | Coke County Appraisal District | 6.39\% | 7.52\% | (1.13\%) | 106\% | 94\% | 12\% |
| 141 | Coleman County | 7.20\% | 7.27\% | (0.07\%) | 91\% | 91\% | 0\% |
| 142 | Collin County | 6.21\% | 6.88\% | (0.67\%) | 104\% | 103\% | 1\% |
| 457 | Collin County Central Appraisal District | 10.35\% | 12.12\% | (1.77\%) | 98\% | 93\% | 5\% |
| 143 | Collingsworth County | 11.59\% | 12.92\% | (1.33\%) | 84\% | 80\% | 4\% |
| 144 | Colorado County | 12.04\% | 12.11\% | (0.07\%) | 83\% | 80\% | 3\% |
| 623 | Comal Appraisal District | 11.14\% | 12.75\% | (1.61\%) | 85\% | 84\% | 1\% |
| 145 | Comal County | 10.74\% | 11.00\% | (0.26\%) | 84\% | 82\% | 2\% |
| 775 | Comal County ESD \#3 | 8.29\% | 8.37\% | (0.08\%) | 73\% | 63\% | 10\% |
| 827 | Comal County ESD \#4 Spring Branch F\&R | 4.49\% | 4.51\% | (0.02\%) | 79\% | N/A | N/A |
| 824 | Comal County ESD \#5 | 5.63\% | 5.97\% | (0.34\%) | 88\% | 69\% | 19\% |
| 146 | Comanche County | 9.12\% | 9.25\% | (0.13\%) | 82\% | 81\% | 1\% |
| 762 | Combined Consumers SUD | 2.74\% | 2.71\% | 0.03\% | 100\% | 100\% | 0\% |
| 147 | Concho County | 7.32\% | 7.41\% | (0.09\%) | 98\% | 99\% | (1\%) |
| 636 | Concho County Hospital District | 4.48\% | 5.11\% | (0.63\%) | 90\% | 89\% | 1\% |
| 759 | Concho Valley Council of Governments | 11.86\% | 12.38\% | (0.52\%) | 85\% | 74\% | 11\% |
| 148 | Cooke County | 8.88\% | 9.95\% | (1.07\%) | 90\% | 84\% | 6\% |
| 487 | Cooke County Appraisal District | 10.35\% | 10.63\% | (0.28\%) | 96\% | 95\% | 1\% |
| 149 | Coryell County | 10.10\% | 10.40\% | (0.30\%) | 88\% | 86\% | 2\% |
| 150 | Cottle County | 4.15\% | 4.46\% | (0.31\%) | 99\% | 98\% | 1\% |
| 727 | Cow Creek GCD | 5.87\% | 6.54\% | (0.67\%) | 100\% | 96\% | 4\% |
| 151 | Crane County | 16.71\% | 21.50\% | (4.79\%) | 84\% | 75\% | 9\% |
| 757 | Crane County Hospital District | 9.19\% | 9.32\% | (0.13\%) | 85\% | 80\% | 5\% |
| 152 | Crockett County | 10.20\% | 10.59\% | (0.39\%) | 81\% | 80\% | 1\% |
| 409 | Crockett County WCID \#1 | 5.28\% | 5.43\% | (0.15\%) | 98\% | 98\% | 0\% |
| 153 | Crosby County | 11.47\% | 11.64\% | (0.17\%) | 76\% | 74\% | 2\% |
| 532 | Crosby County Appraisal District | 2.16\% | 2.16\% | 0.00\% | 126\% | 130\% | (4\%) |
| 603 | Crosby Municipal Utility District | 2.94\% | 3.19\% | (0.25\%) | 112\% | 112\% | 0\% |
| 710 | Cross Roads Special Utility District | 3.81\% | 3.59\% | 0.22\% | 103\% | 99\% | 4\% |
| 154 | Culberson County | 6.82\% | 7.06\% | (0.24\%) | 96\% | 95\% | 1\% |
| 155 | Dallam County | 17.11\% | 18.43\% | (1.32\%) | 78\% | 73\% | 5\% |
| 771 | Dallam County Appraisal District | 5.86\% | 6.06\% | (0.20\%) | 93\% | 91\% | 2\% |
| 467 | Dallas Central Appraisal District | 18.87\% | 18.52\% | 0.35\% | 84\% | 83\% | 1\% |
| 156 | Dallas County | 11.50\% | 11.50\% | 0.00\% | 86\% | 85\% | 1\% |
| 430 | Dallas County Park Cities MUD | 12.06\% | 11.96\% | 0.10\% | 89\% | 86\% | 3\% |
| 157 | Dawson County | 12.51\% | 13.05\% | (0.54\%) | 79\% | 77\% | 2\% |
| 463 | Dawson County Central Appraisal District | 5.09\% | 6.48\% | (1.39\%) | 107\% | 103\% | 4\% |
| 158 | Deaf Smith County | 11.52\% | 11.80\% | (0.28\%) | 84\% | 83\% | 1\% |
| 578 | Deaf Smith County Hospital District | 1.00\% | 1.00\% | 0.00\% | 109\% | 109\% | 0\% |
| 159 | Delta County | 6.49\% | 6.95\% | (0.46\%) | 88\% | 86\% | 2\% |
| 855 | Delta County Appraisal District | 7.28\% | 7.34\% | (0.06\%) | 81\% | N/A | N/A |
| 734 | Delta County Municipal Utility District | 3.59\% | 3.81\% | (0.22\%) | 111\% | 111\% | 0\% |
| 732 | Delta Lake Irrigation District | 3.14\% | 3.30\% | (0.16\%) | 98\% | 94\% | 4\% |
| 583 | Denco Area 9-1-1 District - Denton County | 7.65\% | 10.53\% | (2.88\%) | 98\% | 90\% | 8\% |
| 482 | Denton Central Appraisal District | 7.14\% | 9.03\% | (1.89\%) | 104\% | 99\% | 5\% |
| 160 | Denton County | 11.98\% | 11.75\% | 0.23\% | 84\% | 83\% | 1\% |
| 758 | Denton County Fresh WSD 1A | 6.72\% | 7.95\% | (1.23\%) | 110\% | 96\% | 14\% |
| 783 | Denton County Transportation Authority | 4.25\% | 4.60\% | (0.35\%) | 96\% | 88\% | 8\% |
| 161 | DeWitt County | 6.52\% | 6.87\% | (0.35\%) | 91\% | 88\% | 3\% |
| 466 | DeWitt County Appraisal District | 8.11\% | 9.32\% | (1.21\%) | 95\% | 93\% | 2\% |
| 162 | Dickens County | 11.06\% | 11.50\% | (0.44\%) | 79\% | 80\% | (1\%) |
| 764 | Dickens County Appraisal District | 7.39\% | 7.49\% | (0.10\%) | 114\% | 124\% | (10\%) |
| 163 | Dimmit County | 7.09\% | 8.43\% | (1.34\%) | 95\% | 92\% | 3\% |

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other qualified professional when reviewing the Milliman work product.

# Appendix A - Summary Valuation Results by Employer 

| Employer | Employer | Required Contribution Rate |  |  | Funded Ratio at December 31 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Name | 2015 | 2014 | Change | 2013 | 2012 | Change |
| 164 | Donley County | 6.45\% | 6.41\% | 0.04\% | 89\% | 88\% | 1\% |
| 165 | Duval County | 5.71\% | 6.16\% | (0.45\%) | 82\% | 79\% | 3\% |
| 880 | Duval County GCD | 7.82\% | 7.85\% | (0.03\%) | 21\% | N/A | N/A |
| 879 | East Fork Special Utility District | 8.74\% | 7.99\% | 0.75\% | 66\% | N/A | N/A |
| 825 | East Medina County Special Utility District | 3.54\% | 3.78\% | (0.24\%) | 78\% | 66\% | 12\% |
| 166 | Eastland County | 11.61\% | 12.04\% | (0.43\%) | 81\% | 79\% | 2\% |
| 593 | Eastland County Appraisal District | 14.68\% | 15.91\% | (1.23\%) | 82\% | 80\% | 2\% |
| 167 | Ector County | 15.83\% | 15.91\% | (0.08\%) | 84\% | 84\% | 0\% |
| 580 | Ector County Hospital District | 7.73\% | 8.08\% | (0.35\%) | 87\% | 86\% | 1\% |
| 448 | Edwards Aquifer Authority - Bexar County | 5.80\% | 5.93\% | (0.13\%) | 90\% | 89\% | 1\% |
| 628 | Edwards Central Appraisal District | 9.98\% | 9.63\% | 0.35\% | 104\% | 101\% | 3\% |
| 168 | Edwards County | 9.55\% | 10.51\% | (0.96\%) | 91\% | 87\% | 4\% |
| 819 | El Paso Central Appraisal District | 10.02\% | 10.01\% | 0.01\% | 65\% | 54\% | 11\% |
| 170 | El Paso County | 15.25\% | 15.35\% | (0.10\%) | 82\% | 80\% | 2\% |
| 567 | El Paso County 9-1-1 District | 12.62\% | 13.20\% | (0.58\%) | 87\% | 84\% | 3\% |
| 541 | El Paso County Hospital District | 6.39\% | 6.58\% | (0.19\%) | 86\% | 85\% | 1\% |
| 169 | Ellis County | 10.41\% | 10.53\% | (0.12\%) | 85\% | 83\% | 2\% |
| 859 | Emerald Bay Municipal Utility District | 3.02\% | 2.99\% | 0.03\% | 101\% | N/A | N/A |
| 624 | ECD of Ector County | 7.26\% | 9.34\% | (2.08\%) | 107\% | 103\% | 4\% |
| 171 | Erath County | 11.18\% | 11.12\% | 0.06\% | 85\% | 83\% | 2\% |
| 172 | Falls County | 11.16\% | 11.01\% | 0.15\% | 81\% | 80\% | 1\% |
| 563 | Falls County Appraisal District | 0.00\% | 0.09\% | (0.09\%) | 153\% | 158\% | (5\%) |
| 173 | Fannin County | 10.61\% | 10.91\% | (0.30\%) | 89\% | 87\% | 2\% |
| 644 | Fannin County Appraisal District | 9.08\% | 9.87\% | (0.79\%) | 91\% | 84\% | 7\% |
| 174 | Fayette County | 10.56\% | 10.54\% | 0.02\% | 86\% | 85\% | 1\% |
| 175 | Fisher County | 8.06\% | 8.23\% | (0.17\%) | 84\% | 83\% | 1\% |
| 432 | Fisher County Hospital District | 3.85\% | 3.98\% | (0.13\%) | 100\% | 100\% | 0\% |
| 176 | Floyd County | 14.40\% | 14.49\% | (0.09\%) | 72\% | 70\% | 2\% |
| 474 | Fort Bend Central Appraisal District | 11.78\% | 12.67\% | (0.89\%) | 90\% | 89\% | 1\% |
| 178 | Fort Bend County | 12.14\% | 12.21\% | (0.07\%) | 84\% | 82\% | 2\% |
| 782 | Fort Bend County WCID \#2 | 3.57\% | 4.14\% | (0.57\%) | 93\% | 70\% | 23\% |
| 769 | Four Way Special Utility District | 2.96\% | 3.72\% | (0.76\%) | 107\% | 92\% | 15\% |
| 179 | Franklin County | 10.78\% | 11.10\% | (0.32\%) | 88\% | 87\% | 1\% |
| 180 | Freestone County | 15.39\% | 15.46\% | (0.07\%) | 75\% | 72\% | 3\% |
| 693 | Freestone County Appraisal District | 12.00\% | 12.36\% | (0.36\%) | 89\% | 86\% | 3\% |
| 181 | Frio County | 8.48\% | 8.91\% | (0.43\%) | 94\% | 93\% | 1\% |
| 509 | Frio County Appraisal District | 13.43\% | 12.83\% | 0.60\% | 87\% | 86\% | 1\% |
| 182 | Gaines County | 11.36\% | 11.50\% | (0.14\%) | 81\% | 79\% | 2\% |
| 761 | Gaines County Appraisal District | 7.31\% | 7.44\% | (0.13\%) | 84\% | 81\% | 3\% |
| 546 | Galveston Central Appraisal District | 18.36\% | 19.42\% | (1.06\%) | 86\% | 85\% | 1\% |
| 183 | Galveston County | 11.25\% | 11.25\% | 0.00\% | 87\% | 86\% | 1\% |
| 547 | Galveston County Consolidated Drain. Dist. | 12.24\% | 12.19\% | 0.05\% | 88\% | 86\% | 2\% |
| 464 | Galveston County Drainage District \#1 | 9.49\% | 9.49\% | 0.00\% | 93\% | 94\% | (1\%) |
| 433 | Galveston County Drainage District \#2 | 9.85\% | 10.32\% | (0.47\%) | 99\% | 98\% | 1\% |
| 589 | Galveston County ECD | 13.69\% | 14.32\% | (0.63\%) | 91\% | 89\% | 2\% |
| 821 | Galveston County Fresh WSD \#6 | 6.56\% | 6.82\% | (0.26\%) | 47\% | 31\% | 16\% |
| 752 | Galveston County Health District | 3.80\% | 4.17\% | (0.37\%) | 103\% | 98\% | 5\% |
| 407 | Galveston County WCID \#1 | 11.04\% | 11.80\% | (0.76\%) | 90\% | 88\% | 2\% |
| 473 | Garza Central Appraisal District | 10.22\% | 11.28\% | (1.06\%) | 84\% | 86\% | (2\%) |
| 184 | Garza County | 8.03\% | 8.50\% | (0.47\%) | 89\% | 87\% | 2\% |
| 185 | Gillespie County | 10.14\% | 10.79\% | (0.65\%) | 89\% | 85\% | 4\% |
| 186 | Glasscock County | 8.68\% | 12.23\% | (3.55\%) | 101\% | 92\% | 9\% |
| 187 | Goliad County | 7.28\% | 7.30\% | (0.02\%) | 92\% | 91\% | 1\% |
| 188 | Gonzales County | 12.99\% | 14.69\% | (1.70\%) | 74\% | 70\% | 4\% |
| 498 | Gonzales County Appraisal District | 10.55\% | 11.00\% | (0.45\%) | 94\% | 93\% | 1\% |
| 189 | Gray County | 8.75\% | 9.18\% | (0.43\%) | 88\% | 86\% | 2\% |
| 518 | Gray County Appraisal District | 10.19\% | 9.75\% | 0.44\% | 94\% | 96\% | (2\%) |
| 475 | Grayson Central Appraisal District | 13.51\% | 14.63\% | (1.12\%) | 87\% | 85\% | 2\% |
| 190 | Grayson County | 9.45\% | 9.69\% | (0.24\%) | 83\% | 81\% | 2\% |
| 528 | Greater Harris County 9-1-1 Emerg. Network | 11.34\% | 11.55\% | (0.21\%) | 93\% | 92\% | 1\% |

# Appendix A - Summary Valuation Results by Employer 

| Employer | Employer | Required Contribution Rate |  |  | Funded Ratio at December 31 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Name | 2015 | 2014 | Change | 2013 | 2012 | Change |
| 429 | Greenbelt M\&IW Authority - Donley County | 10.58\% | 11.23\% | (0.65\%) | 89\% | 86\% | 3\% |
| 191 | Gregg County | 10.65\% | 10.94\% | (0.29\%) | 88\% | 86\% | 2\% |
| 192 | Grimes County | 8.27\% | 8.16\% | 0.11\% | 93\% | 93\% | 0\% |
| 483 | Grimes County Appraisal District | 11.26\% | 12.59\% | (1.33\%) | 94\% | 92\% | 2\% |
| 587 | Guadalupe Appraisal District | 12.07\% | 12.57\% | (0.50\%) | 87\% | 85\% | 2\% |
| 193 | Guadalupe County | 10.55\% | 10.75\% | (0.20\%) | 84\% | 82\% | 2\% |
| 526 | Gulf Coast WA - Galveston County | 7.67\% | 8.17\% | (0.50\%) | 96\% | 95\% | 1\% |
| 194 | Hale County | 15.52\% | 15.08\% | 0.44\% | 75\% | 74\% | 1\% |
| 195 | Hall County | 9.91\% | 9.82\% | 0.09\% | 78\% | 81\% | (3\%) |
| 787 | Hall County Appraisal District | 3.36\% | 3.60\% | (0.24\%) | 101\% | 94\% | 7\% |
| 196 | Hamilton County | 7.01\% | 7.17\% | (0.16\%) | 85\% | 85\% | 0\% |
| 197 | Hansford County | 11.89\% | 13.64\% | (1.75\%) | 86\% | 84\% | 2\% |
| 585 | Hansford County Hospital District | 4.06\% | 4.32\% | (0.26\%) | 94\% | 92\% | 2\% |
| 198 | Hardeman County | 5.70\% | 6.18\% | (0.48\%) | 98\% | 95\% | 3\% |
| 199 | Hardin County | 13.70\% | 13.99\% | (0.29\%) | 79\% | 77\% | 2\% |
| 527 | Hardin County Appraisal District | 13.95\% | 13.67\% | 0.28\% | 87\% | 86\% | 1\% |
| 571 | Harlingen Irrig. District Cameron County \#1 | 4.11\% | 4.31\% | (0.20\%) | 96\% | 95\% | 1\% |
| 200 | Harris County | 12.34\% | 12.43\% | (0.09\%) | 86\% | 85\% | 1\% |
| 598 | Harris County Appraisal District | 13.37\% | 14.48\% | (1.11\%) | 89\% | 86\% | 3\% |
| 835 | Harris County ESD \#50 | 7.96\% | 7.97\% | (0.01\%) | 90\% | N/A | N/A |
| 797 | Harris County Housing Authority | 7.33\% | 8.31\% | (0.98\%) | 119\% | 109\% | 10\% |
| 569 | Harris County WCID \#1 | 10.98\% | 13.96\% | (2.98\%) | 91\% | 84\% | 7\% |
| 877 | Harris County WCID \#36 | 9.94\% | 10.08\% | (0.14\%) | 9\% | N/A | N/A |
| 625 | Harris County WCID \#50 | 6.98\% | 7.03\% | (0.05\%) | 83\% | 81\% | 2\% |
| 201 | Harrison County | 12.06\% | 12.11\% | (0.05\%) | 82\% | 80\% | 2\% |
| 202 | Hartley County | 12.51\% | 13.56\% | (1.05\%) | 87\% | 84\% | 3\% |
| 520 | Hartley County Appraisal District | 10.40\% | 11.75\% | (1.35\%) | 92\% | 92\% | 0\% |
| 203 | Haskell County | 10.45\% | 10.68\% | (0.23\%) | 75\% | 74\% | 1\% |
| 552 | Haskell Memorial Hospital District | 2.52\% | 2.36\% | 0.16\% | 110\% | 110\% | 0\% |
| 204 | Hays County | 12.00\% | 12.09\% | (0.09\%) | 85\% | 83\% | 2\% |
| 878 | Hays County ESD \#5 | 2.72\% | 2.85\% | (0.13\%) | 24\% | N/A | N/A |
| 799 | Hays County ESD \#6 | 6.76\% | 7.17\% | (0.41\%) | 87\% | 77\% | 10\% |
| 205 | Hemphill County | 6.36\% | 8.11\% | (1.75\%) | 100\% | 95\% | 5\% |
| 640 | Hemphill County Appraisal District | 10.54\% | 11.66\% | (1.12\%) | 98\% | 95\% | 3\% |
| 529 | Hemphill County Hospital District | 7.68\% | 7.72\% | (0.04\%) | 102\% | 101\% | 1\% |
| 839 | Hemphill County Underground WCD | 3.76\% | 3.82\% | (0.06\%) | 99\% | N/A | N/A |
| 206 | Henderson County | 13.68\% | 13.57\% | 0.11\% | 82\% | 81\% | 1\% |
| 746 | Henderson County 9-1-1 Comm. District | 10.43\% | 10.83\% | (0.40\%) | 104\% | 101\% | 3\% |
| 704 | Henderson County Appraisal District | 11.16\% | 11.30\% | (0.14\%) | 83\% | 80\% | 3\% |
| 414 | Hidalgo and Cameron Counties Irrig. Dist. \#9 | 0.90\% | 1.25\% | (0.35\%) | 118\% | 112\% | 6\% |
| 207 | Hidalgo County | 10.63\% | 10.89\% | (0.26\%) | 85\% | 83\% | 2\% |
| 516 | Hidalgo County Appraisal District | 12.14\% | 12.36\% | (0.22\%) | 88\% | 87\% | 1\% |
| 401 | Hidalgo County Drainage District \#1 | 12.13\% | 12.61\% | (0.48\%) | 85\% | 83\% | 2\% |
| 713 | Hidalgo County Irrigation District \#1 | 4.00\% | 4.30\% | (0.30\%) | 91\% | 89\% | 2\% |
| 438 | Hidalgo County Irrigation District \#2 | 8.74\% | 9.60\% | (0.86\%) | 89\% | 88\% | 1\% |
| 486 | Hidalgo County Irrigation District \#6 | 7.61\% | 7.53\% | 0.08\% | 94\% | 93\% | 1\% |
| 674 | High Plains Underground WCD \# 1 | 5.52\% | 6.07\% | (0.55\%) | 95\% | 92\% | 3\% |
| 208 | Hill County | 7.84\% | 8.08\% | (0.24\%) | 83\% | 81\% | 2\% |
| 209 | Hockley County | 13.42\% | 13.49\% | (0.07\%) | 78\% | 77\% | 1\% |
| 728 | Hockley County Appraisal District | 7.97\% | 8.77\% | (0.80\%) | 87\% | 82\% | 5\% |
| 210 | Hood County | 6.58\% | 6.86\% | (0.28\%) | 97\% | 95\% | 2\% |
| 211 | Hopkins County | 13.57\% | 13.66\% | (0.09\%) | 83\% | 81\% | 2\% |
| 661 | Hopkins County Appraisal District | 4.15\% | 5.44\% | (1.29\%) | 111\% | 105\% | 6\% |
| 212 | Houston County | 6.68\% | 6.96\% | (0.28\%) | 91\% | 89\% | 2\% |
| 694 | Houston County Appraisal District | 10.34\% | 10.92\% | (0.58\%) | 83\% | 79\% | 4\% |
| 213 | Howard County | 16.23\% | 16.82\% | (0.59\%) | 76\% | 73\% | 3\% |
| 214 | Hudspeth County | 3.46\% | 3.81\% | (0.35\%) | 105\% | 103\% | 2\% |
| 215 | Hunt County | 10.11\% | 10.42\% | (0.31\%) | 87\% | 85\% | 2\% |
| 749 | Hunt County Appraisal District | 8.29\% | 9.02\% | (0.73\%) | 91\% | 82\% | 9\% |
| 216 | Hutchinson County | 11.35\% | 11.84\% | (0.49\%) | 89\% | 88\% | 1\% |

## Appendix A - Summary Valuation Results by Employer

| Employer | Employer | Required Contribution Rate |  |  | Funded Ratio at December 31 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Name | 2015 | 2014 | Change | 2013 | 2012 | Change |
| 778 | Hutchinson County Appraisal District | 3.47\% | 3.73\% | (0.26\%) | 109\% | 107\% | 2\% |
| 711 | Iraan General Hospital District | 6.44\% | 7.38\% | (0.94\%) | 99\% | 91\% | 8\% |
| 217 | Irion County | 9.96\% | 10.61\% | (0.65\%) | 91\% | 90\% | 1\% |
| 779 | Irion County Appraisal District | 6.08\% | 6.60\% | (0.52\%) | 54\% | 86\% | (32\%) |
| 218 | Jack County | 11.60\% | 12.57\% | (0.97\%) | 83\% | 83\% | 0\% |
| 592 | Jack County Appraisal District | 8.34\% | 8.78\% | (0.44\%) | 90\% | 89\% | 1\% |
| 219 | Jackson County | 9.93\% | 10.07\% | (0.14\%) | 86\% | 85\% | 1\% |
| 770 | Jackson County Appraisal District | 3.18\% | 4.03\% | (0.85\%) | 98\% | 85\% | 13\% |
| 441 | Jackson County County-Wide Drain. Dist. | 14.39\% | 15.60\% | (1.21\%) | 90\% | 89\% | 1\% |
| 220 | Jasper County | 17.88\% | 17.55\% | 0.33\% | 68\% | 68\% | 0\% |
| 657 | Jasper County WCID \#1 | 13.29\% | 14.41\% | (1.12\%) | 80\% | 76\% | 4\% |
| 221 | Jeff Davis County | 5.02\% | 5.47\% | (0.45\%) | 107\% | 104\% | 3\% |
| 222 | Jefferson County | 17.66\% | 17.41\% | 0.25\% | 75\% | 74\% | 1\% |
| 404 | Jefferson County Drainage District \#3 | 12.77\% | 12.32\% | 0.45\% | 85\% | 85\% | 0\% |
| 408 | Jefferson County Drainage District \#6 | 14.98\% | 15.20\% | (0.22\%) | 82\% | 80\% | 2\% |
| 405 | Jefferson County Drainage District \#7 | 15.13\% | 15.34\% | (0.21\%) | 79\% | 78\% | 1\% |
| 451 | Jefferson County WCID \#10 | 9.18\% | 9.16\% | 0.02\% | 87\% | 87\% | 0\% |
| 223 | Jim Hogg County | 2.97\% | 3.39\% | (0.42\%) | 102\% | 99\% | 3\% |
| 680 | Jim Hogg County Appraisal District | 7.69\% | 7.89\% | (0.20\%) | 100\% | 99\% | 1\% |
| 656 | Jim Hogg County ESD \#1 | 0.00\% | 0.00\% | 0.00\% | 125\% | 125\% | 0\% |
| 641 | Jim Hogg County WCID \#2 | 6.99\% | 7.05\% | (0.06\%) | 86\% | 86\% | 0\% |
| 224 | Jim Wells County | 10.84\% | 11.58\% | (0.74\%) | 88\% | 86\% | 2\% |
| 225 | Johnson County | 10.32\% | 10.24\% | 0.08\% | 87\% | 86\% | 1\% |
| 741 | Jonah Water Special Utility District | 2.39\% | 2.72\% | (0.33\%) | 96\% | 91\% | 5\% |
| 226 | Jones County | 16.26\% | 16.50\% | (0.24\%) | 73\% | 72\% | 1\% |
| 496 | Jones County Appraisal District | 9.43\% | 9.54\% | (0.11\%) | 89\% | 88\% | 1\% |
| 227 | Karnes County | 11.88\% | 13.85\% | (1.97\%) | 78\% | 76\% | 2\% |
| 524 | Karnes County Appraisal District | 9.72\% | 11.45\% | (1.73\%) | 87\% | 86\% | 1\% |
| 455 | Karnes County Hospital District | 7.06\% | 7.27\% | (0.21\%) | 94\% | 94\% | 0\% |
| 228 | Kaufman County | 9.40\% | 9.65\% | (0.25\%) | 87\% | 85\% | 2\% |
| 662 | Kaufman County Appraisal District | 8.27\% | 9.33\% | (1.06\%) | 97\% | 92\% | 5\% |
| 671 | Kendall Appraisal District | 11.49\% | 11.48\% | 0.01\% | 88\% | 88\% | 0\% |
| 229 | Kendall County | 7.49\% | 7.62\% | (0.13\%) | 89\% | 87\% | 2\% |
| 619 | Kendall County WCID \#1 | 11.48\% | 11.97\% | (0.49\%) | 82\% | 79\% | 3\% |
| 230 | Kenedy County | 17.66\% | 17.96\% | (0.30\%) | 78\% | 76\% | 2\% |
| 854 | Kenedy County Central Appraisal District | 5.87\% | 5.66\% | 0.21\% | 75\% | N/A | N/A |
| 231 | Kent County | 14.90\% | 15.32\% | (0.42\%) | 78\% | 76\% | 2\% |
| 594 | Kent County Tax Appraisal District | 16.38\% | 16.95\% | (0.57\%) | 91\% | 89\% | 2\% |
| 232 | Kerr County | 12.20\% | 12.04\% | 0.16\% | 84\% | 82\% | 2\% |
| 653 | Kerr Emergency 9-1-1 Network | 1.30\% | 5.82\% | (4.52\%) | 127\% | 109\% | 18\% |
| 233 | Kimble County | 6.41\% | 7.42\% | (1.01\%) | 105\% | 98\% | 7\% |
| 234 | King County | 10.48\% | 11.27\% | (0.79\%) | 96\% | 94\% | 2\% |
| 755 | King County Appraisal District | 5.55\% | 5.87\% | (0.32\%) | 161\% | 178\% | (17\%) |
| 235 | Kinney County | 7.57\% | 7.57\% | 0.00\% | 96\% | 97\% | (1\%) |
| 579 | Kinney County Appraisal District | 12.61\% | 12.88\% | (0.27\%) | 66\% | 63\% | 3\% |
| 236 | Kleberg County | 7.46\% | 7.33\% | 0.13\% | 88\% | 87\% | 1\% |
| 237 | Knox County | 6.46\% | 6.69\% | (0.23\%) | 97\% | 96\% | 1\% |
| 241 | La Salle County | 10.24\% | 10.75\% | (0.51\%) | 89\% | 87\% | 2\% |
| 540 | Laguna Madre WD - Cameron County | 13.83\% | 13.87\% | (0.04\%) | 77\% | 76\% | 1\% |
| 867 | Lake Cities Municipal Utility Authority | 9.05\% | 9.53\% | (0.48\%) | 57\% | N/A | N/A |
| 874 | Lake Kiowa Special Utility District | 5.32\% | 6.25\% | (0.93\%) | 88\% | N/A | N/A |
| 514 | Lakeway MUD - Travis County | 11.98\% | 13.03\% | (1.05\%) | 84\% | 80\% | 4\% |
| 238 | Lamar County | 12.37\% | 12.35\% | 0.02\% | 84\% | 83\% | 1\% |
| 808 | Lamar County Appraisal District | 7.18\% | 7.50\% | (0.32\%) | 86\% | 73\% | 13\% |
| 239 | Lamb County | 12.47\% | 12.48\% | (0.01\%) | 82\% | 80\% | 2\% |
| 650 | Lampasas Central Appraisal District | 8.76\% | 9.21\% | (0.45\%) | 93\% | 91\% | 2\% |
| 240 | Lampasas County | 14.81\% | 15.21\% | (0.40\%) | 80\% | 78\% | 2\% |
| 731 | LaSalle County Appraisal District | 10.60\% | 11.60\% | (1.00\%) | 95\% | 89\% | 6\% |
| 439 | Lavaca - Navidad River Auth.- Jackson County | 9.36\% | 10.15\% | (0.79\%) | 93\% | 90\% | 3\% |
| 242 | Lavaca County | 15.92\% | 16.12\% | (0.20\%) | 77\% | 76\% | 1\% | appropriate to use for other purposes. Milliman does not intend to benefit and assumes no duty or liability to other parties who receive this work. Milliman recommends that third parties be aided by their own actuary or

## Appendix A - Summary Valuation Results by Employer

| Employer | Employer | Required Contribution Rate |  |  | Funded Ratio at December 31 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Name | 2015 | 2014 | Change | 2013 | 2012 | Change |
| 243 | Lee County | 8.26\% | 8.58\% | (0.32\%) | 84\% | 83\% | 1\% |
| 244 | Leon County | 1.99\% | 2.46\% | (0.47\%) | 119\% | 117\% | 2\% |
| 468 | Leon County Central Appraisal District | 3.75\% | 3.47\% | 0.28\% | 102\% | 103\% | (1\%) |
| 245 | Liberty County | 16.78\% | 17.12\% | (0.34\%) | 75\% | 74\% | 1\% |
| 481 | Liberty County Central Appraisal District | 11.41\% | 11.52\% | (0.11\%) | 92\% | 91\% | 1\% |
| 246 | Limestone County | 5.85\% | 6.09\% | (0.24\%) | 98\% | 96\% | 2\% |
| 695 | Limestone County Appraisal District | 7.01\% | 9.40\% | (2.39\%) | 100\% | 92\% | 8\% |
| 247 | Lipscomb County | 12.06\% | 12.64\% | (0.58\%) | 83\% | 80\% | 3\% |
| 248 | Live Oak County | 14.25\% | 15.80\% | (1.55\%) | 82\% | 79\% | 3\% |
| 591 | Live Oak County Appraisal District | 18.53\% | 16.03\% | 2.50\% | 79\% | 75\% | 4\% |
| 249 | Llano County | 9.10\% | 8.74\% | 0.36\% | 86\% | 84\% | 2\% |
| 250 | Loving County | 9.43\% | 9.86\% | (0.43\%) | 104\% | 103\% | 1\% |
| 513 | Loving County Appraisal District | 5.77\% | 8.46\% | (2.69\%) | 134\% | 120\% | 14\% |
| 756 | Lower Trinity GCD | 14.13\% | 14.43\% | (0.30\%) | 97\% | 94\% | 3\% |
| 714 | Lower Valley Water District | 8.61\% | 8.95\% | (0.34\%) | 97\% | 94\% | 3\% |
| 499 | Lubbock Central Appraisal District | 6.73\% | 13.55\% | (6.82\%) | 100\% | 90\% | 10\% |
| 251 | Lubbock County | 10.35\% | 10.57\% | (0.22\%) | 84\% | 82\% | 2\% |
| 425 | Lubbock County WCID \#1 | 5.90\% | 5.88\% | 0.02\% | 125\% | 127\% | (2\%) |
| 558 | Lubbock ECD | 9.78\% | 10.36\% | (0.58\%) | 94\% | 93\% | 1\% |
| 647 | Lubbock Reese Redevelopment Authority | 2.91\% | 2.61\% | 0.30\% | 105\% | 110\% | (5\%) |
| 639 | Lumberton Municipal Utility District | 7.45\% | 7.89\% | (0.44\%) | 92\% | 89\% | 3\% |
| 252 | Lynn County | 1.94\% | 2.15\% | (0.21\%) | 113\% | 112\% | 1\% |
| 497 | Lynn County Appraisal District | 7.52\% | 7.67\% | (0.15\%) | 85\% | 85\% | 0\% |
| 442 | Lynn County Hospital District | 5.44\% | 5.93\% | (0.49\%) | 98\% | 97\% | 1\% |
| 630 | Macedonia - Eylau MUD - Bowie County | 10.60\% | 10.65\% | (0.05\%) | 92\% | 91\% | 1\% |
| 500 | Mackenzie MWA - Briscoe County | 0.97\% | 0.25\% | 0.72\% | 111\% | 113\% | (2\%) |
| 256 | Madison County | 8.74\% | 9.18\% | (0.44\%) | 77\% | 75\% | 2\% |
| 596 | Madison County Appraisal District | 11.83\% | 12.31\% | (0.48\%) | 83\% | 81\% | 2\% |
| 257 | Marion County | 10.58\% | 10.68\% | (0.10\%) | 90\% | 90\% | 0\% |
| 675 | Marion County Appraisal District | 0.00\% | 0.00\% | 0.00\% | 169\% | 177\% | (8\%) |
| 658 | Marshall-Harrison County Health District | 1.52\% | 1.42\% | 0.10\% | 141\% | 139\% | 2\% |
| 258 | Martin County | 12.79\% | 15.49\% | (2.70\%) | 79\% | 74\% | 5\% |
| 595 | Martin County Appraisal District | 11.24\% | 11.59\% | (0.35\%) | 91\% | 90\% | 1\% |
| 259 | Mason County | 9.33\% | 10.24\% | (0.91\%) | 86\% | 86\% | 0\% |
| 260 | Matagorda County | 14.77\% | 14.97\% | (0.20\%) | 79\% | 79\% | 0\% |
| 678 | Matagorda County Drainage District | 12.16\% | 12.05\% | 0.11\% | 84\% | 82\% | 2\% |
| 440 | Matagorda County Hospital District | 5.20\% | 5.33\% | (0.13\%) | 97\% | 97\% | 0\% |
| 677 | Matagorda County Navigation District \#1 | 8.43\% | 7.68\% | 0.75\% | 115\% | 116\% | (1\%) |
| 261 | Maverick County | 8.68\% | 9.84\% | (1.16\%) | 93\% | 89\% | 4\% |
| 729 | Maverick County Hospital District | 5.06\% | 3.94\% | 1.12\% | 125\% | 142\% | (17\%) |
| 453 | Maverick County WCID \#1 | 1.20\% | 2.30\% | (1.10\%) | 106\% | 101\% | 5\% |
| 844 | McCamey County Hospital District | 3.74\% | 4.14\% | (0.40\%) | 116\% | N/A | N/A |
| 253 | McCulloch County | 5.66\% | 5.93\% | (0.27\%) | 101\% | 100\% | 1\% |
| 512 | McCulloch County Appraisal District | 10.17\% | 10.85\% | (0.68\%) | 93\% | 91\% | 2\% |
| 254 | McLennan County | 14.28\% | 14.03\% | 0.25\% | 79\% | 77\% | 2\% |
| 725 | McLennan County 9-1-1 EAD | 10.70\% | 12.34\% | (1.64\%) | 110\% | 99\% | 11\% |
| 491 | McLennan County Appraisal District | 12.59\% | 12.69\% | (0.10\%) | 84\% | 83\% | 1\% |
| 679 | McLennan County WCID \#2 | 2.05\% | 2.07\% | (0.02\%) | 128\% | 136\% | (8\%) |
| 255 | McMullen County | 7.48\% | 8.52\% | (1.04\%) | 81\% | 78\% | 3\% |
| 841 | Medical Arts Hospital - Dawson County | 2.75\% | 2.77\% | (0.02\%) | 73\% | N/A | N/A |
| 262 | Medina County | 7.50\% | 7.91\% | (0.41\%) | 91\% | 89\% | 2\% |
| 705 | Medina County 911 District | 6.80\% | 7.05\% | (0.25\%) | 99\% | 98\% | 1\% |
| 535 | Medina County Appraisal District | 7.21\% | 7.96\% | (0.75\%) | 93\% | 90\% | 3\% |
| 419 | Memorial Medical Center - Calhoun County | 8.02\% | 8.22\% | (0.20\%) | 92\% | 91\% | 1\% |
| 263 | Menard County | 8.10\% | 8.59\% | (0.49\%) | 93\% | 92\% | 1\% |
| 743 | Mesa Underground WCD | 5.67\% | 5.98\% | (0.31\%) | 98\% | 95\% | 3\% |
| 669 | Middle Rio Grande Development Council | 17.09\% | 17.80\% | (0.71\%) | 86\% | 83\% | 3\% |
| 492 | Midland Central Appraisal District | 14.59\% | 15.34\% | (0.75\%) | 90\% | 90\% | 0\% |
| 264 | Midland County | 10.49\% | 11.20\% | (0.71\%) | 84\% | 82\% | 2\% |
| 570 | Midland Emergency Communication District | 13.40\% | 11.77\% | 1.63\% | 84\% | 89\% | (5\%) |

# Appendix A - Summary Valuation Results by Employer 

| Employer | Employer | Required Contribution Rate |  |  | Funded Ratio at December 31 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Name | 2015 | 2014 | Change | 2013 | 2012 | Change |
| 265 | Milam County | 9.03\% | 9.30\% | (0.27\%) | 86\% | 83\% | 3\% |
| 617 | Mills Central Appraisal District | 3.98\% | 4.17\% | (0.19\%) | 105\% | 105\% | 0\% |
| 266 | Mills County | 11.94\% | 12.12\% | (0.18\%) | 79\% | 77\% | 2\% |
| 267 | Mitchell County | 11.08\% | 11.99\% | (0.91\%) | 79\% | 78\% | 1\% |
| 484 | Mitchell County Appraisal District | 0.42\% | 10.21\% | (9.79\%) | 135\% | 92\% | 43\% |
| 268 | Montague County | 14.36\% | 15.01\% | (0.65\%) | 79\% | 77\% | 2\% |
| 504 | Montague County Tax Appraisal District | 16.66\% | 17.24\% | (0.58\%) | 85\% | 85\% | 0\% |
| 605 | Montgomery Central Appraisal District | 14.47\% | 15.80\% | (1.33\%) | 86\% | 83\% | 3\% |
| 269 | Montgomery County | 10.93\% | 11.22\% | (0.29\%) | 87\% | 84\% | 3\% |
| 667 | Montgomery County ECD | 16.32\% | 15.13\% | 1.19\% | 84\% | 82\% | 2\% |
| 696 | Montgomery County ESD No 3 | 4.17\% | 4.56\% | (0.39\%) | 95\% | 91\% | 4\% |
| 651 | Montgomery County ESD \#1 | 12.70\% | 12.17\% | 0.53\% | 92\% | 96\% | (4\%) |
| 800 | Montgomery County ESD \#8 | 8.87\% | 8.84\% | 0.03\% | 74\% | 62\% | 12\% |
| 763 | Montgomery County Hospital District | 6.10\% | 6.43\% | (0.33\%) | 90\% | 84\% | 6\% |
| 804 | Montgomery County Housing Authority | 8.88\% | 8.85\% | 0.03\% | 93\% | 91\% | 2\% |
| 270 | Moore County | 11.44\% | 12.24\% | (0.80\%) | 84\% | 80\% | 4\% |
| 733 | Moore County Appraisal District | 5.46\% | 6.00\% | (0.54\%) | 108\% | 107\% | 1\% |
| 412 | Moore County Hospital District | 4.97\% | 5.28\% | (0.31\%) | 106\% | 104\% | 2\% |
| 271 | Morris County | 12.77\% | 12.64\% | 0.13\% | 81\% | 81\% | 0\% |
| 738 | Mustang Special Utility District | 2.23\% | 2.72\% | (0.49\%) | 109\% | 100\% | 9\% |
| 273 | Nacogdoches County | 10.28\% | 10.39\% | (0.11\%) | 87\% | 85\% | 2\% |
| 515 | Navarro Central Appraisal District | 13.78\% | 13.77\% | 0.01\% | 81\% | 80\% | 1\% |
| 274 | Navarro County | 10.68\% | 10.70\% | (0.02\%) | 86\% | 85\% | 1\% |
| 572 | Newton Central Appraisal District | 14.28\% | 15.34\% | (1.06\%) | 88\% | 85\% | 3\% |
| 275 | Newton County | 8.00\% | 8.45\% | (0.45\%) | 91\% | 90\% | 1\% |
| 276 | Nolan County | 10.93\% | 10.85\% | 0.08\% | 79\% | 79\% | 0\% |
| 556 | North Central Texas MWA | 8.16\% | 8.00\% | 0.16\% | 90\% | 88\% | 2\% |
| 852 | North Hunt Special Utility District | 2.65\% | 2.69\% | (0.04\%) | 64\% | N/A | N/A |
| 838 | North Plains GCD | 5.67\% | 6.03\% | (0.36\%) | 58\% | N/A | N/A |
| 646 | North Texas Tollway Authority | 7.96\% | 8.27\% | (0.31\%) | 104\% | 102\% | 2\% |
| 562 | Northeast Texas Municipal Water District | 3.51\% | 4.38\% | (0.87\%) | 104\% | 101\% | 3\% |
| 632 | Northeast Texas Public Health District | 4.16\% | 4.25\% | (0.09\%) | 107\% | 107\% | 0\% |
| 277 | Nueces County | 12.28\% | 12.50\% | (0.22\%) | 86\% | 85\% | 1\% |
| 683 | Nueces County Appraisal District | 11.86\% | 12.37\% | (0.51\%) | 86\% | 83\% | 3\% |
| 400 | Nueces County Drainage District \#2 | 2.52\% | 2.80\% | (0.28\%) | 110\% | 110\% | 0\% |
| 791 | Nueces County ESD \#2 | 9.36\% | 10.28\% | (0.92\%) | 96\% | 82\% | 14\% |
| 416 | Nueces County WCID \#3 | 7.52\% | 8.02\% | (0.50\%) | 91\% | 89\% | 2\% |
| 450 | Nueces County WCID \#4 | 17.12\% | 17.93\% | (0.81\%) | 80\% | 80\% | 0\% |
| 278 | Ochiltree County | 12.11\% | 12.61\% | (0.50\%) | 82\% | 80\% | 2\% |
| 279 | Oldham County | 14.37\% | 14.80\% | (0.43\%) | 82\% | 82\% | 0\% |
| 517 | Oldham County Appraisal District | 5.22\% | 6.27\% | (1.05\%) | 101\% | 99\% | 2\% |
| 280 | Orange County | 14.26\% | 13.84\% | 0.42\% | 81\% | 80\% | 1\% |
| 490 | Orange County Appraisal District | 12.47\% | 12.68\% | (0.21\%) | 89\% | 88\% | 1\% |
| 421 | Orange County Drainage District | 13.06\% | 13.32\% | (0.26\%) | 88\% | 86\% | 2\% |
| 665 | Orange County ESD \# 1 | 2.74\% | 3.36\% | (0.62\%) | 102\% | 97\% | 5\% |
| 803 | Orange County ESD \#2 | 2.91\% | 3.18\% | (0.27\%) | 39\% | N/A | N/A |
| 660 | Orange County Navigation and Port District | 6.06\% | 6.32\% | (0.26\%) | 94\% | 93\% | 1\% |
| 631 | Orange County WCID \#1 | 4.27\% | 4.61\% | (0.34\%) | 100\% | 98\% | 2\% |
| 730 | Palo Duro River Authority | 7.57\% | 7.90\% | (0.33\%) | 99\% | 97\% | 2\% |
| 723 | Palo Pinto Appraisal District | 5.65\% | 6.26\% | (0.61\%) | 92\% | 87\% | 5\% |
| 281 | Palo Pinto County | 11.99\% | 12.10\% | (0.11\%) | 81\% | 79\% | 2\% |
| 282 | Panola County | 11.11\% | 14.20\% | (3.09\%) | 96\% | 87\% | 9\% |
| 283 | Parker County | 11.00\% | 10.99\% | 0.01\% | 84\% | 83\% | 1\% |
| 717 | Parker County Appraisal District | 13.93\% | 14.92\% | (0.99\%) | 74\% | 68\% | 6\% |
| 784 | Parker County Hospital District | 6.94\% | 7.38\% | (0.44\%) | 38\% | 22\% | 16\% |
| 754 | Parker County Special Utility District | 3.36\% | 3.53\% | (0.17\%) | 106\% | 103\% | 3\% |
| 284 | Parmer County | 8.66\% | 8.81\% | (0.15\%) | 85\% | 83\% | 2\% |
| 747 | Parmer County Appraisal District | 2.25\% | 3.18\% | (0.93\%) | 148\% | 134\% | 14\% |
| 765 | Pecan Valley GCD | 5.95\% | 5.99\% | (0.04\%) | 112\% | 116\% | (4\%) |
| 285 | Pecos County | 9.40\% | 9.60\% | (0.20\%) | 84\% | 83\% | 1\% |

## Appendix A - Summary Valuation Results by Employer

| Employer | Employer | Required Contribution Rate |  |  | Funded Ratio at December 31 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Name | 2015 | 2014 | Change | 2013 | 2012 | Change |
| 494 | Pecos County Appraisal District | 10.27\% | 10.12\% | 0.15\% | 90\% | 91\% | (1\%) |
| 774 | Pecos County WCID \#1 | 5.81\% | 6.17\% | (0.36\%) | 97\% | 94\% | 3\% |
| 796 | Permian Basin Regional Planning Comm. | 3.81\% | 3.64\% | 0.17\% | 107\% | 115\% | (8\%) |
| 673 | Permian Regional Medical Center | 7.93\% | 8.40\% | (0.47\%) | 94\% | 93\% | 1\% |
| 707 | Pineywoods GCD | 12.82\% | 11.63\% | 1.19\% | 85\% | 91\% | (6\%) |
| 697 | Polk Central Appraisal District | 11.16\% | 10.96\% | 0.20\% | 92\% | 93\% | (1\%) |
| 286 | Polk County | 12.12\% | 12.36\% | (0.24\%) | 90\% | 88\% | 2\% |
| 739 | Polk County Fresh Water Supply District \#2 | 4.98\% | 5.67\% | (0.69\%) | 139\% | 136\% | 3\% |
| 676 | Port of Bay City Authority | 9.84\% | 10.24\% | (0.40\%) | 97\% | 95\% | 2\% |
| 449 | Port of Beaumont Navigation District | 11.79\% | 12.20\% | (0.41\%) | 89\% | 87\% | 2\% |
| 620 | Port of Corpus Christi Authority | 2.85\% | 3.43\% | (0.58\%) | 104\% | 102\% | 2\% |
| 622 | Port of Port Arthur Navigation District | 0.85\% | 0.77\% | 0.08\% | 117\% | 119\% | (2\%) |
| 726 | Post Oak Savannah GCD | 4.33\% | 4.67\% | (0.34\%) | 109\% | 107\% | 2\% |
| 560 | Potter - Randall County ECD | 15.61\% | 15.62\% | (0.01\%) | 84\% | 83\% | 1\% |
| 287 | Potter County | 13.74\% | 13.78\% | (0.04\%) | 82\% | 81\% | 1\% |
| 626 | Presidio Appraisal District | 6.15\% | 6.36\% | (0.21\%) | 79\% | 80\% | (1\%) |
| 288 | Presidio County | 6.39\% | 6.67\% | (0.28\%) | 102\% | 99\% | 3\% |
| 289 | Rains County | 7.95\% | 8.47\% | (0.52\%) | 96\% | 94\% | 2\% |
| 537 | Rains County Appraisal District | 12.41\% | 12.31\% | 0.10\% | 91\% | 90\% | 1\% |
| 290 | Randall County | 9.88\% | 9.93\% | (0.05\%) | 88\% | 87\% | 1\% |
| 564 | Randall County Appraisal District | 10.16\% | 11.58\% | (1.42\%) | 94\% | 92\% | 2\% |
| 406 | Rankin County Hospital Dist. - Upton County | 6.28\% | 6.31\% | (0.03\%) | 106\% | 103\% | 3\% |
| 291 | Reagan County | 13.89\% | 14.76\% | (0.87\%) | 80\% | 78\% | 2\% |
| 445 | Reagan Hospital District | 6.69\% | 7.57\% | (0.88\%) | 95\% | 92\% | 3\% |
| 292 | Real County | 14.77\% | 14.87\% | (0.10\%) | 86\% | 86\% | 0\% |
| 505 | Red Bluff WPCD - Reeves County | 11.87\% | 12.06\% | (0.19\%) | 81\% | 77\% | 4\% |
| 845 | Red River Appraisal District | 7.85\% | 8.15\% | (0.30\%) | 62\% | N/A | N/A |
| 435 | Red River Authority | 3.32\% | 3.70\% | (0.38\%) | 111\% | 110\% | 1\% |
| 293 | Red River County | 8.91\% | 9.34\% | (0.43\%) | 92\% | 91\% | 1\% |
| 294 | Reeves County | 5.25\% | 6.10\% | (0.85\%) | 108\% | 105\% | 3\% |
| 786 | Reeves County Appraisal District | 11.92\% | 12.67\% | (0.75\%) | 78\% | 68\% | 10\% |
| 588 | Reeves County Hospital District | 5.45\% | 5.73\% | (0.28\%) | 101\% | 99\% | 2\% |
| 295 | Refugio County | 6.61\% | 7.03\% | (0.42\%) | 90\% | 87\% | 3\% |
| 543 | Refugio County Drainage District \#1 | 7.35\% | 7.82\% | (0.47\%) | 87\% | 86\% | 1\% |
| 736 | Refugio Groundwater Conservation District | 4.59\% | 4.14\% | 0.45\% | 127\% | 137\% | (10\%) |
| 801 | Rio Grande Council of Governments | 10.09\% | 10.39\% | (0.30\%) | 63\% | 50\% | 13\% |
| 296 | Roberts County | 7.37\% | 7.24\% | 0.13\% | 93\% | 93\% | 0\% |
| 297 | Robertson County | 7.83\% | 8.00\% | (0.17\%) | 89\% | 88\% | 1\% |
| 698 | Rockwall Central Appraisal District | 10.56\% | 12.82\% | (2.26\%) | 89\% | 81\% | 8\% |
| 298 | Rockwall County | 6.69\% | 7.10\% | (0.41\%) | 99\% | 97\% | 2\% |
| 299 | Runnels County | 8.99\% | 9.06\% | (0.07\%) | 86\% | 85\% | 1\% |
| 300 | Rusk County | 9.30\% | 9.36\% | (0.06\%) | 86\% | 84\% | 2\% |
| 612 | Rusk County Appraisal District | 7.99\% | 8.67\% | (0.68\%) | 99\% | 97\% | 2\% |
| 848 | Rusk County GCD | 5.29\% | 5.67\% | (0.38\%) | 96\% | N/A | N/A |
| 301 | Sabine County | 5.58\% | 5.54\% | 0.04\% | 103\% | 103\% | 0\% |
| 863 | Sabine County Appraisal District | 5.71\% | 5.67\% | 0.04\% | 77\% | N/A | N/A |
| 568 | Sabine Pass Port Authority | 6.93\% | 7.19\% | (0.26\%) | 90\% | 87\% | 3\% |
| 706 | Sabine-Neches Nav. Dist. of Jefferson County | 9.56\% | 9.68\% | (0.12\%) | 89\% | 87\% | 2\% |
| 302 | San Augustine County | 6.06\% | 6.40\% | (0.34\%) | 95\% | 94\% | 1\% |
| 303 | San Jacinto County | 9.28\% | 9.90\% | (0.62\%) | 87\% | 83\% | 4\% |
| 553 | San Jacinto County Central Appraisal District | 7.24\% | 7.29\% | (0.05\%) | 102\% | 102\% | 0\% |
| 304 | San Patricio County | 10.66\% | 10.86\% | (0.20\%) | 87\% | 86\% | 1\% |
| 495 | San Patricio County Appraisal District | 4.26\% | 3.47\% | 0.79\% | 109\% | 111\% | (2\%) |
| 426 | San Patricio County Drainage District | 21.65\% | 24.07\% | (2.42\%) | 63\% | 62\% | 1\% |
| 750 | San Patricio County Navigation District \#1 | 12.27\% | 12.13\% | 0.14\% | 82\% | 80\% | 2\% |
| 422 | San Patricio Municipal Water District | 4.78\% | 5.01\% | (0.23\%) | 101\% | 99\% | 2\% |
| 305 | San Saba County | 8.61\% | 9.86\% | (1.25\%) | 91\% | 88\% | 3\% |
| 766 | Santo Special Utility District | 13.79\% | 14.04\% | (0.25\%) | 85\% | 80\% | 5\% |
| 306 | Schleicher County | 8.04\% | 7.90\% | 0.14\% | 88\% | 88\% | 0\% |
| 307 | Scurry County | 9.06\% | 9.26\% | (0.20\%) | 93\% | 93\% | 0\% |

## Appendix A - Summary Valuation Results by Employer

| Employer | Employer | Required Contribution Rate |  |  | Funded Ratio at December 31 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Name | 2015 | 2014 | Change | 2013 | 2012 | Change |
| 760 | Scurry County Hospital District | 6.32\% | 6.80\% | (0.48\%) | 108\% | 100\% | 8\% |
| 308 | Shackelford County | 16.08\% | 16.94\% | (0.86\%) | 85\% | 82\% | 3\% |
| 470 | Shackelford County Appraisal District | 8.60\% | 8.91\% | (0.31\%) | 93\% | 92\% | 1\% |
| 309 | Shelby County | 8.58\% | 8.90\% | (0.32\%) | 87\% | 84\% | 3\% |
| 627 | Shelby County Appraisal District | 3.75\% | 3.74\% | 0.01\% | 98\% | 98\% | 0\% |
| 310 | Sherman County | 13.86\% | 15.26\% | (1.40\%) | 84\% | 78\% | 6\% |
| 469 | Sherman County Appraisal District | 6.69\% | 7.24\% | (0.55\%) | 93\% | 95\% | (2\%) |
| 311 | Smith County | 8.20\% | 8.24\% | (0.04\%) | 83\% | 82\% | 1\% |
| 555 | Smith County 9-1-1 Communications District | 3.77\% | 5.91\% | (2.14\%) | 109\% | 103\% | 6\% |
| 606 | Smith County Appraisal District | 3.64\% | 5.37\% | (1.73\%) | 110\% | 107\% | 3\% |
| 312 | Somervell County | 14.49\% | 14.88\% | (0.39\%) | 84\% | 82\% | 2\% |
| 507 | Somervell County Central Appraisal District | 7.47\% | 7.75\% | (0.28\%) | 99\% | 99\% | 0\% |
| 699 | Somervell County Water District | 12.55\% | 12.78\% | (0.23\%) | 96\% | 94\% | 2\% |
| 795 | South Plains Association of Governments | 9.34\% | 10.31\% | (0.97\%) | 66\% | 50\% | 16\% |
| 645 | South Texas Development Council | 11.51\% | 11.71\% | (0.20\%) | 85\% | 81\% | 4\% |
| 768 | Southeast Texas GCD | 12.66\% | 13.06\% | (0.40\%) | 98\% | 94\% | 4\% |
| 313 | Starr County | 7.75\% | 8.32\% | (0.57\%) | 83\% | 80\% | 3\% |
| 536 | Starr County Appraisal District | 13.78\% | 12.82\% | 0.96\% | 90\% | 90\% | 0\% |
| 314 | Stephens County | 8.45\% | 9.52\% | (1.07\%) | 94\% | 91\% | 3\% |
| 869 | Stephens County Tax Appraisal District | 9.70\% | 9.42\% | 0.28\% | 86\% | N/A | N/A |
| 315 | Sterling County | 7.58\% | 8.20\% | (0.62\%) | 109\% | 106\% | 3\% |
| 837 | Sterling County Appraisal District | 5.06\% | 5.05\% | 0.01\% | 45\% | N/A | N/A |
| 316 | Stonewall County | 9.80\% | 9.76\% | 0.04\% | 84\% | 84\% | 0\% |
| 724 | Stonewall County Appraisal District | 4.50\% | 6.89\% | (2.39\%) | 171\% | 100\% | 71\% |
| 458 | Stonewall Memorial Hospital District | 2.46\% | 2.60\% | (0.14\%) | 97\% | 95\% | 2\% |
| 539 | Stratford Hospital District - Sherman County | 2.50\% | 3.13\% | (0.63\%) | 118\% | 114\% | 4\% |
| 317 | Sutton County | 6.52\% | 6.93\% | (0.41\%) | 98\% | 97\% | 1\% |
| 573 | Sutton County Hospital District | 7.41\% | 7.78\% | (0.37\%) | 97\% | 93\% | 4\% |
| 318 | Swisher County | 11.41\% | 11.69\% | (0.28\%) | 81\% | 79\% | 2\% |
| 460 | Swisher County Appraisal District | 18.16\% | 18.62\% | (0.46\%) | 86\% | 85\% | 1\% |
| 607 | Tarrant Appraisal District | 13.08\% | 13.89\% | (0.81\%) | 90\% | 87\% | 3\% |
| 545 | Tarrant Co 9-1-1 EAD | 5.23\% | 8.50\% | (3.27\%) | 108\% | 99\% | 9\% |
| 319 | Tarrant County | 14.50\% | 14.57\% | (0.07\%) | 81\% | 80\% | 1\% |
| 574 | Tax Appraisal District of Cottle County | 5.74\% | 6.67\% | (0.93\%) | 99\% | 97\% | 2\% |
| 320 | Taylor County | 10.15\% | 10.07\% | 0.08\% | 80\% | 78\% | 2\% |
| 321 | Terrell County | 12.85\% | 15.12\% | (2.27\%) | 91\% | 83\% | 8\% |
| 753 | Terrell County WCID \#1 | 1.98\% | 3.36\% | (1.38\%) | 131\% | 122\% | 9\% |
| 322 | Terry County | 11.26\% | 11.98\% | (0.72\%) | 80\% | 77\% | 3\% |
| 402 | Terry Memorial Hospital District | 3.44\% | 3.62\% | (0.18\%) | 105\% | 105\% | 0\% |
| 437 | Texas Association of Counties | 3.36\% | 4.04\% | (0.68\%) | 122\% | 121\% | 1\% |
| 354 | Texas County \& District Retirement System | 10.12\% | 10.42\% | (0.30\%) | 90\% | 87\% | 3\% |
| 634 | Texas Eastern 9-1-1 Network | 7.27\% | 8.17\% | (0.90\%) | 101\% | 99\% | 2\% |
| 772 | The Housing Authority of the City of Abilene | 3.07\% | 4.17\% | (1.10\%) | 115\% | 100\% | 15\% |
| 777 | The Housing Auth. of the City of Huntington | 2.62\% | 2.83\% | (0.21\%) | 98\% | 93\% | 5\% |
| 323 | Throckmorton County | 10.98\% | 12.08\% | (1.10\%) | 82\% | 80\% | 2\% |
| 324 | Titus County | 11.18\% | 11.17\% | 0.01\% | 90\% | 89\% | 1\% |
| 742 | Titus County Appraisal District | 3.55\% | 4.72\% | (1.17\%) | 107\% | 95\% | 12\% |
| 501 | Titus County Fresh Water Supply District | 9.65\% | 9.91\% | (0.26\%) | 94\% | 93\% | 1\% |
| 325 | Tom Green County | 8.40\% | 8.48\% | (0.08\%) | 87\% | 86\% | 1\% |
| 601 | Travis Central Appraisal District | 14.07\% | 15.02\% | (0.95\%) | 85\% | 82\% | 3\% |
| 326 | Travis County | 13.56\% | 13.67\% | (0.11\%) | 84\% | 83\% | 1\% |
| 720 | Travis County ESD \#1 NLT Fire \& Rescue | 4.16\% | 3.96\% | 0.20\% | 102\% | 107\% | (5\%) |
| 831 | Travis County ESD \#4 | 2.74\% | 2.87\% | (0.13\%) | 11\% | N/A | N/A |
| 666 | Travis County WCID - Point Venture | 3.51\% | 3.65\% | (0.14\%) | 102\% | 100\% | 2\% |
| 659 | Tri-County Special Utility District | 3.98\% | 4.21\% | (0.23\%) | 99\% | 97\% | 2\% |
| 633 | Trinity Bay Conservation District | 14.62\% | 15.44\% | (0.82\%) | 76\% | 73\% | 3\% |
| 327 | Trinity County | 9.99\% | 10.18\% | (0.19\%) | 83\% | 81\% | 2\% |
| 857 | Trinity County Appraisal District | 6.80\% | 6.44\% | 0.36\% | 53\% | N/A | N/A |
| 790 | Trophy Club Municipal Utility District No 1 | 8.69\% | 8.77\% | (0.08\%) | 105\% | N/A | N/A |
| 735 | Two Way Special Utility District | 9.81\% | 10.33\% | (0.52\%) | 98\% | 94\% | 4\% | appropriate to use for other purposes. Milliman does not intend to benefit and assumes no duty or liability to other parties who receive this work. Milliman recommends that third parties be aided by their own actuary or other qualified professional when reviewing the Milliman work product.

## Appendix A - Summary Valuation Results by Employer

| Employer | Employer | Required Contribution Rate |  |  | Funded Ratio at December 31 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Name | 2015 | 2014 | Change | 2013 | 2012 | Change |
| 328 | Tyler County | 10.79\% | 11.06\% | (0.27\%) | 86\% | 85\% | 1\% |
| 471 | Tyler County Appraisal District | 10.39\% | 10.75\% | (0.36\%) | 97\% | 97\% | 0\% |
| 561 | United Irrigation District - Hidalgo County | 6.36\% | 6.19\% | 0.17\% | 97\% | 98\% | (1\%) |
| 834 | Upper Brushy Creek WCID | 7.33\% | 7.24\% | 0.09\% | 104\% | N/A | N/A |
| 792 | Upper Trinity GCD | 3.91\% | 3.79\% | 0.12\% | 108\% | 115\% | (7\%) |
| 329 | Upshur County | 6.81\% | 7.25\% | (0.44\%) | 91\% | 89\% | 2\% |
| 330 | Upton County | 5.19\% | 5.71\% | (0.52\%) | 98\% | 95\% | 3\% |
| 682 | Upton County Appraisal District | 7.30\% | 7.79\% | (0.49\%) | 99\% | 96\% | 3\% |
| 331 | Uvalde County | 9.86\% | 10.03\% | (0.17\%) | 87\% | 86\% | 1\% |
| 332 | Val Verde County | 11.52\% | 11.70\% | (0.18\%) | 87\% | 85\% | 2\% |
| 663 | Valley MUD \#2 - Cameron County | 5.00\% | 5.39\% | (0.39\%) | 86\% | 87\% | (1\%) |
| 586 | Valwood Improv. Auth. - Dallas County | 7.82\% | 8.42\% | (0.60\%) | 90\% | 88\% | 2\% |
| 333 | Van Zandt County | 8.16\% | 8.53\% | (0.37\%) | 91\% | 88\% | 3\% |
| 672 | Van Zandt County Appraisal District | 8.30\% | 8.79\% | (0.49\%) | 94\% | 92\% | 2\% |
| 420 | Velasco Drainage District - Brazoria County | 10.08\% | 9.60\% | 0.48\% | 77\% | 83\% | (6\%) |
| 334 | Victoria County | 13.63\% | 13.69\% | (0.06\%) | 81\% | 79\% | 2\% |
| 423 | Victoria County Drainage District \#3 | 15.16\% | 15.61\% | (0.45\%) | 91\% | 90\% | 1\% |
| 767 | Victoria County GCD | 5.70\% | 5.63\% | 0.07\% | 94\% | 92\% | 2\% |
| 335 | Walker County | 12.35\% | 12.35\% | 0.00\% | 81\% | 80\% | 1\% |
| 748 | Walker County Special Utility District | 5.54\% | 6.78\% | (1.24\%) | 103\% | 96\% | 7\% |
| 336 | Waller County | 8.61\% | 8.70\% | (0.09\%) | 88\% | 87\% | 1\% |
| 773 | Waller County Appraisal District | 8.00\% | 9.33\% | (1.33\%) | 103\% | 91\% | 12\% |
| 337 | Ward County | 13.48\% | 13.92\% | (0.44\%) | 86\% | 84\% | 2\% |
| 565 | Ward County Central Appraisal District | 7.34\% | 8.20\% | (0.86\%) | 95\% | 93\% | 2\% |
| 444 | Ward Memorial Hospital | 8.93\% | 8.92\% | 0.01\% | 93\% | 93\% | 0\% |
| 338 | Washington County | 11.99\% | 12.28\% | (0.29\%) | 83\% | 81\% | 2\% |
| 339 | Webb County | 10.50\% | 10.75\% | (0.25\%) | 88\% | 86\% | 2\% |
| 604 | Webb County Appraisal District | 6.10\% | 6.47\% | (0.37\%) | 93\% | 91\% | 2\% |
| 443 | West Central Texas Council of Governments | 13.44\% | 13.28\% | 0.16\% | 85\% | 85\% | 0\% |
| 410 | West Central Texas Municipal WD | 9.64\% | 9.60\% | 0.04\% | 85\% | 83\% | 2\% |
| 454 | West Jefferson County Municipal WD | 12.19\% | 13.67\% | (1.48\%) | 90\% | 87\% | 3\% |
| 688 | West Nueces -Las Moras Soil and WCD \#236 | 3.31\% | 3.69\% | (0.38\%) | 104\% | 104\% | 0\% |
| 340 | Wharton County | 12.91\% | 13.37\% | (0.46\%) | 83\% | 81\% | 2\% |
| 621 | Wharton County WCID \#1 | 5.15\% | 5.62\% | (0.47\%) | 98\% | 97\% | 1\% |
| 341 | Wheeler County | 9.28\% | 10.38\% | (1.10\%) | 93\% | 90\% | 3\% |
| 476 | Wheeler County Appraisal District | 12.29\% | 12.86\% | (0.57\%) | 82\% | 79\% | 3\% |
| 427 | White River MWD - Dickens County | 0.00\% | 0.00\% | 0.00\% | 134\% | 128\% | 6\% |
| 740 | Wichita Appraisal District | 6.20\% | 7.36\% | (1.16\%) | 108\% | 103\% | 5\% |
| 342 | Wichita County | 12.78\% | 12.65\% | 0.13\% | 78\% | 76\% | 2\% |
| 446 | Wichita County WID \#2 | 13.66\% | 13.88\% | (0.22\%) | 85\% | 83\% | 2\% |
| 559 | Wichita-Wilbarger 9-1-1 District | 7.06\% | 9.01\% | (1.95\%) | 101\% | 98\% | 3\% |
| 655 | Wickson Creek SUD - Brazos County | 8.44\% | 9.26\% | (0.82\%) | 98\% | 94\% | 4\% |
| 343 | Wilbarger County | 12.07\% | 12.13\% | (0.06\%) | 82\% | 80\% | 2\% |
| 715 | Wilbarger County Appraisal District | 4.85\% | 4.99\% | (0.14\%) | 142\% | 146\% | (4\%) |
| 530 | Wilbarger County Hospital District | 1.84\% | 2.37\% | (0.53\%) | 108\% | 104\% | 4\% |
| 344 | Willacy County | 7.90\% | 8.80\% | (0.90\%) | 97\% | 92\% | 5\% |
| 575 | Willacy County Appraisal District | 16.04\% | 17.12\% | (1.08\%) | 82\% | 80\% | 2\% |
| 652 | Willacy County Housing Authority | 4.98\% | 4.70\% | 0.28\% | 148\% | 174\% | (26\%) |
| 608 | Williamson Central Appraisal District | 15.11\% | 15.55\% | (0.44\%) | 86\% | 85\% | 1\% |
| 345 | Williamson County | 12.52\% | 12.78\% | (0.26\%) | 86\% | 84\% | 2\% |
| 798 | Williamson County ESD \#3 | 5.50\% | 5.60\% | (0.10\%) | 95\% | 91\% | 4\% |
| 346 | Wilson County | 8.50\% | 9.24\% | (0.74\%) | 88\% | 86\% | 2\% |
| 479 | Wilson County Appraisal District | 10.87\% | 10.92\% | (0.05\%) | 87\% | 87\% | 0\% |
| 347 | Winkler County | 10.53\% | 11.36\% | (0.83\%) | 91\% | 88\% | 3\% |
| 533 | Winkler County Appraisal District | 8.66\% | 11.11\% | (2.45\%) | 97\% | 93\% | 4\% |
| 348 | Wise County | 10.57\% | 10.69\% | (0.12\%) | 86\% | 85\% | 1\% |
| 493 | Wise County Appraisal District | 7.28\% | 7.30\% | (0.02\%) | 100\% | 101\% | (1\%) |
| 349 | Wood County | 10.71\% | 11.53\% | (0.82\%) | 85\% | 82\% | 3\% |
| 700 | Wood County Appraisal District | 9.12\% | 9.45\% | (0.33\%) | 90\% | 88\% | 2\% |
| 350 | Yoakum County | 9.27\% | 9.57\% | (0.30\%) | 82\% | 79\% | 3\% |

## Appendix A - Summary Valuation Results by Employer

| Employer Number | Employer Name | Required Contribution Rate |  |  | Funded Ratio at December 31 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2015 | 2014 | Change | 2013 | 2012 | Change |
| 776 | Yoakum County Appraisal District | 8.59\% | 8.78\% | (0.19\%) | 96\% | 92\% | 4\% |
| 351 | Young County | 9.34\% | 9.80\% | (0.46\%) | 88\% | 85\% | 3\% |
| 352 | Zapata County | 9.23\% | 9.73\% | (0.50\%) | 96\% | 93\% | 3\% |
| 649 | Zapata County Appraisal District | 10.09\% | 10.38\% | (0.29\%) | 85\% | 82\% | 3\% |
| 353 | Zavala County | 9.41\% | 9.67\% | (0.26\%) | 96\% | 95\% | 1\% |
| 566 | Zavala County Appraisal District | 0.00\% | 0.00\% | 0.00\% | 130\% | 129\% | 1\% |

# Texas County \& District Retirement System <br> System-wide Actuarial Valuation 

December 31, 2013

## Appendix B Employers with a Significant Rate Change

The sources of increase/decrease listed on the following pages are defined in Section 2 of the report. appropriate to use for other purposes. Milliman does not intend to benefit and assumes no duty or liability to other parties who receive this work. Milliman recommends that third parties be aided by their own actuary or

# Texas County \& District Retirement System <br> System-wide Actuarial Valuation 

December 31, 2013

## Variable-Rate Plans with an Increase of 2.00\% or More

## Counties

| Employer <br> Number <br> Employer Name$\quad$Rate <br> Increase$\quad$ Sources of Increase |
| :--- |

N/A

## Texas County \& District Retirement System <br> System-wide Actuarial Valuation

December 31, 2013
Variable-Rate Plans with a Decrease of $\mathbf{2 . 0 0 \%}$ or More
Counties

| Employer <br> Number | Employer Name |  | Rate <br> Decrease |  | Sources of Decrease |
| :---: | :--- | :--- | :--- | :--- | :--- |

# Texas County \& District Retirement System <br> System-wide Actuarial Valuation 

December 31, 2013

## Variable-Rate Plans with an Increase of 2.00\% or More

## Districts

| Employer <br> Number | Employer Name |  | Rate <br> Increase |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Live Oak County Appraisal District |  |  |  |
| Sources of Increase |  |  |  |  |

# Texas County \& District Retirement System <br> System-wide Actuarial Valuation 

December 31, 2013

## Variable-Rate Plans with a Decrease of $\mathbf{2 . 0 0 \%}$ or More

Districts

| Employer <br> Number |  |  | Rate <br> Decrease |  | Sources of Decrease |
| :---: | :--- | :--- | :--- | :--- | :--- |

## Variable-Rate Plans with a Decrease of $\mathbf{2 . 0 0 \%}$ or More

## Districts (continued)

| Employer Number | Employer Name | Rate Decrease | Sources of Decrease |
| :---: | :---: | :---: | :---: |
| 484 | Mitchell County Appraisal District | (9.79\%) | Actual vs. Expected Retired Mortality New 5-Year Asset Smoothing Method |
| 282 | Panola County | (3.09\%) | Employer Lump Sum Contribution Elected Rate Greater Than Required New 5-Year Asset Smoothing Method |
| 698 | Rockwall Central Appraisal District | (2.26\%) | Employer Lump Sum Contribution Payroll Variation <br> Actual vs. Expected Retired Mortality New 5-Year Asset Smoothing Method Elected Rate Greater Than Required |
| 426 | San Patricio County Drainage District | (2.42\%) | Payroll Variation New 5-Year Asset Smoothing Method |
| 555 | Smith County 9-1-1 Communications District | (2.14\%) | Actual vs. Expected Retired Mortality Actual vs. Expected Retirement New 5-Year Asset Smoothing Method Actual vs. Expected Termination Assumption Changes |
| 724 | Stonewall County Appraisal District | (2.39\%) | Actual vs. Expected Termination |
| 545 | Tarrant Co 9-1-1 EAD | (3.27\%) | Employer Lump Sum Contribution New 5-Year Asset Smoothing Method |
| 533 | Winkler County Appraisal District | (2.45\%) | Actual vs. Expected Termination New 5-Year Asset Smoothing Method |

## Texas County \& District Retirement System System-wide Actuarial Valuation

December 31, 2013

## Appendix C Group Term Life Fund Contribution Rates for 2015

|  |  | GTLF Contribution Rate |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Employer <br> Number |  | Employer |  | Name |

Appendix C - Group Term Life Fund Contribution Rates for 2015

|  |  | GTLF Contribution Rate |  |  |
| :--- | :--- | :--- | :---: | :---: |
| Employer <br> Number |  | Employer |  | Name |

Appendix C - Group Term Life Fund Contribution Rates for 2015

| Employer Number | Employer Name | GTLF Contribution Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | Actives Only | Actives and Retirees |
| 126 | Burnet County | 0.35\% | 0.49\% |
| 127 | Caldwell County | 0.25\% | 0.39\% |
| 718 | Caldwell County Appraisal District | 0.08\% | 0.10\% |
| 128 | Calhoun County | 0.36\% | 0.52\% |
| 709 | Calhoun County Appraisal District | 0.22\% | 0.23\% |
| 788 | Calhoun County E911 ECD | 0.09\% | 0.09\% |
| 129 | Callahan County | 0.73\% | 1.15\% |
| 542 | Callahan County Appraisal District | 0.38\% | 0.51\% |
| 130 | Cameron County | 0.18\% | 0.27\% |
| 618 | Cameron County Appraisal District | 0.19\% | 0.25\% |
| 692 | Cameron County Drainage District \#1 | 0.40\% | 0.40\% |
| 664 | Cameron County Drainage District \#3 | 0.30\% | 0.37\% |
| 686 | Cameron County Drainage District \#5 | 0.25\% | 0.25\% |
| 851 | Cameron County ECD | 0.51\% | 0.51\% |
| 462 | Cameron County Irrigation District \#2 | 0.18\% | 0.76\% |
| 590 | Cameron County Irrigation District \#6 | 0.26\% | 1.02\% |
| 670 | Camp Central Appraisal District | 0.10\% | 0.10\% |
| 131 | Camp County | 0.50\% | 0.96\% |
| 132 | Carson County | 0.60\% | 0.91\% |
| 133 | Cass County | 0.27\% | 0.58\% |
| 610 | Cass County Appraisal District | 0.11\% | 0.49\% |
| 134 | Castro County | 0.63\% | 1.01\% |
| 719 | Central Appraisal District of Bandera County | 0.14\% | 0.17\% |
| 635 | Central Appraisal District of Johnson County | 0.20\% | 0.25\% |
| 602 | Central Appraisal District of Taylor County | 0.31\% | 0.44\% |
| 862 | Central Texas GCD | 0.31\% | 0.31\% |
| 712 | Central Texas Regional Mobility Authority | 0.34\% | 0.34\% |
| 648 | Central WCID - Angelina County | 0.19\% | 0.44\% |
| 135 | Chambers County | 0.31\% | 0.51\% |
| 531 | Chambers County Appraisal District | 0.11\% | 0.20\% |
| 548 | Chambers County Public Hospital District | 0.17\% | 0.20\% |
| 136 | Cherokee County | 0.33\% | 0.54\% |
| 137 | Childress County | 0.35\% | 0.49\% |
| 511 | Childress County Appraisal District | 0.12\% | 1.52\% |
| 582 | Childress County Hospital District | 0.12\% | 0.18\% |
| 138 | Clay County | 0.32\% | 0.76\% |
| 485 | Clay County Appraisal District | 1.17\% | 1.50\% |
| 703 | Coastal Bend GCD | 0.07\% | 0.07\% |
| 722 | Coastal Plains GCD | 0.11\% | 0.11\% |
| 139 | Cochran County | 0.59\% | 1.06\% |

Appendix C - Group Term Life Fund Contribution Rates for 2015

| Employer Number | Employer Name | GTLF Contribution Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | Actives Only | Actives and Retirees |
| 477 | Cochran County Appraisal District | 0.08\% | 0.53\% |
| 140 | Coke County | 0.53\% | 1.06\% |
| 751 | Coke County Appraisal District | 0.41\% | 0.41\% |
| 141 | Coleman County | 0.37\% | 0.78\% |
| 142 | Collin County | 0.20\% | 0.25\% |
| 457 | Collin County Central Appraisal District | 0.25\% | 0.32\% |
| 143 | Collingsworth County | 0.37\% | 0.95\% |
| 144 | Colorado County | 0.31\% | 0.49\% |
| 623 | Comal Appraisal District | 0.15\% | 0.23\% |
| 145 | Comal County | 0.21\% | 0.32\% |
| 775 | Comal County ESD \#3 | 0.07\% | 0.07\% |
| 827 | Comal County ESD \#4 Spring Branch F\&R | 0.07\% | 0.07\% |
| 824 | Comal County ESD \#5 | 0.14\% | 0.14\% |
| 146 | Comanche County | 0.42\% | 0.63\% |
| 762 | Combined Consumers SUD | 0.12\% | 0.12\% |
| 147 | Concho County | 0.33\% | 0.64\% |
| 636 | Concho County Hospital District | 0.25\% | 0.31\% |
| 759 | Concho Valley Council of Governments | 0.35\% | 0.36\% |
| 148 | Cooke County | 0.24\% | 0.36\% |
| 487 | Cooke County Appraisal District | 0.29\% | 0.73\% |
| 149 | Coryell County | 0.27\% | 0.51\% |
| 150 | Cottle County | 0.63\% | 1.04\% |
| 727 | Cow Creek GCD | 0.07\% | 0.07\% |
| 151 | Crane County | 0.31\% | 0.77\% |
| 757 | Crane County Hospital District | 0.16\% | 0.16\% |
| 152 | Crockett County | 0.42\% | 0.57\% |
| 409 | Crockett County WCID \#1 | 0.52\% | 0.64\% |
| 153 | Crosby County | 0.34\% | 0.62\% |
| 532 | Crosby County Appraisal District | 0.19\% | 0.37\% |
| 603 | Crosby Municipal Utility District | 0.16\% | 0.17\% |
| 710 | Cross Roads Special Utility District | 0.22\% | 0.30\% |
| 154 | Culberson County | 0.23\% | 0.45\% |
| 155 | Dallam County | 0.24\% | 0.44\% |
| 771 | Dallam County Appraisal District | 0.14\% | 0.14\% |
| 467 | Dallas Central Appraisal District | 0.20\% | 0.28\% |
| 156 | Dallas County | 0.19\% | 0.29\% |
| 430 | Dallas County Park Cities MUD | 0.35\% | 0.42\% |
| 157 | Dawson County | 0.31\% | 0.55\% |
| 463 | Dawson County Central Appraisal District | 0.10\% | 0.26\% |
| 158 | Deaf Smith County | 0.26\% | 0.47\% |

Appendix C - Group Term Life Fund Contribution Rates for 2015

| Employer Number | EmployerName | GTLF Contribution Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | Actives Only | Actives and Retirees |
| 578 | Deaf Smith County Hospital District | 0.14\% | 0.22\% |
| 159 | Delta County | 0.45\% | 0.80\% |
| 855 | Delta County Appraisal District | 0.17\% | 0.17\% |
| 734 | Delta County Municipal Utility District | 0.21\% | 0.21\% |
| 732 | Delta Lake Irrigation District | 0.36\% | 0.44\% |
| 583 | Denco Area 9-1-1 District - Denton County | 0.15\% | 0.16\% |
| 482 | Denton Central Appraisal District | 0.17\% | 0.23\% |
| 160 | Denton County | 0.23\% | 0.29\% |
| 758 | Denton County Fresh WSD 1A | 0.14\% | 0.15\% |
| 783 | Denton County Transportation Authority | 0.14\% | 0.14\% |
| 161 | DeWitt County | 0.26\% | 0.49\% |
| 466 | DeWitt County Appraisal District | 0.21\% | 0.25\% |
| 162 | Dickens County | 0.32\% | 0.94\% |
| 764 | Dickens County Appraisal District | 0.19\% | 0.19\% |
| 163 | Dimmit County | 0.19\% | 0.27\% |
| 164 | Donley County | 0.69\% | 1.19\% |
| 165 | Duval County | 0.64\% | 0.93\% |
| 880 | Duval County GCD | 0.16\% | 0.16\% |
| 879 | East Fork Special Utility District | 0.22\% | 0.22\% |
| 825 | East Medina County Special Utility District | 0.17\% | 0.17\% |
| 166 | Eastland County | 0.30\% | 0.54\% |
| 593 | Eastland County Appraisal District | 0.13\% | 0.21\% |
| 167 | Ector County | 0.24\% | 0.55\% |
| 580 | Ector County Hospital District | 0.14\% | 0.18\% |
| 448 | Edwards Aquifer Authority - Bexar County | 0.23\% | 0.23\% |
| 628 | Edwards Central Appraisal District | 0.14\% | 0.14\% |
| 168 | Edwards County | 0.37\% | 0.70\% |
| 819 | El Paso Central Appraisal District | 0.26\% | 0.26\% |
| 170 | El Paso County | 0.20\% | 0.26\% |
| 567 | El Paso County 9-1-1 District | 0.26\% | 0.30\% |
| 541 | El Paso County Hospital District | 0.15\% | 0.19\% |
| 169 | Ellis County | 0.25\% | 0.35\% |
| 859 | Emerald Bay Municipal Utility District | 0.10\% | 0.10\% |
| 624 | ECD of Ector County | 0.23\% | 0.29\% |
| 171 | Erath County | 0.28\% | 0.37\% |
| 172 | Falls County | 0.22\% | 0.47\% |
| 563 | Falls County Appraisal District | 0.65\% | 0.97\% |
| 173 | Fannin County | 0.32\% | 0.49\% |
| 644 | Fannin County Appraisal District | 0.13\% | 0.13\% |
| 174 | Fayette County | 0.21\% | 0.35\% |

Appendix C - Group Term Life Fund Contribution Rates for 2015

| Employer Number | Employer Name | GTLF Contribution Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | Actives Only | Actives and Retirees |
| 175 | Fisher County | 1.02\% | 1.59\% |
| 432 | Fisher County Hospital District | 0.21\% | 0.31\% |
| 176 | Floyd County | 0.21\% | 0.58\% |
| 474 | Fort Bend Central Appraisal District | 0.23\% | 0.29\% |
| 178 | Fort Bend County | 0.21\% | 0.27\% |
| 782 | Fort Bend County WCID \#2 | 0.32\% | 0.32\% |
| 769 | Four Way Special Utility District | 0.14\% | 0.14\% |
| 179 | Franklin County | 0.49\% | 0.78\% |
| 180 | Freestone County | 0.39\% | 0.64\% |
| 693 | Freestone County Appraisal District | 0.27\% | 0.29\% |
| 181 | Frio County | 0.25\% | 0.44\% |
| 509 | Frio County Appraisal District | 0.20\% | 0.32\% |
| 182 | Gaines County | 0.40\% | 0.66\% |
| 761 | Gaines County Appraisal District | 0.23\% | 0.28\% |
| 546 | Galveston Central Appraisal District | 0.50\% | 0.63\% |
| 183 | Galveston County | 0.20\% | 0.34\% |
| 547 | Galveston County Consolidated Drain. Dist. | 0.20\% | 0.34\% |
| 464 | Galveston County Drainage District \#1 | 0.20\% | 0.54\% |
| 433 | Galveston County Drainage District \#2 | 0.21\% | 0.52\% |
| 589 | Galveston County ECD | 0.34\% | 0.34\% |
| 821 | Galveston County Fresh WSD \#6 | 0.32\% | 0.32\% |
| 752 | Galveston County Health District | 0.28\% | 0.28\% |
| 407 | Galveston County WCID \#1 | 0.19\% | 0.34\% |
| 473 | Garza Central Appraisal District | 0.25\% | 0.68\% |
| 184 | Garza County | 0.50\% | 0.67\% |
| 185 | Gillespie County | 0.38\% | 0.56\% |
| 186 | Glasscock County | 0.31\% | 0.48\% |
| 187 | Goliad County | 0.23\% | 0.67\% |
| 188 | Gonzales County | 0.25\% | 0.45\% |
| 498 | Gonzales County Appraisal District | 0.31\% | 0.33\% |
| 189 | Gray County | 0.33\% | 0.79\% |
| 518 | Gray County Appraisal District | 0.10\% | 0.27\% |
| 475 | Grayson Central Appraisal District | 0.20\% | 0.34\% |
| 190 | Grayson County | 0.24\% | 0.41\% |
| 528 | Greater Harris County 9-1-1 Emerg. Network | 0.18\% | 0.19\% |
| 429 | Greenbelt M\&IW Authority - Donley County | 0.21\% | 0.55\% |
| 191 | Gregg County | 0.25\% | 0.40\% |
| 192 | Grimes County | 0.37\% | 0.53\% |
| 483 | Grimes County Appraisal District | 0.30\% | 0.39\% |
| 587 | Guadalupe Appraisal District | 0.20\% | 0.23\% |

Appendix C - Group Term Life Fund Contribution Rates for 2015

| Employer Number | EmployerName | GTLF Contribution Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | Actives Only | Actives and Retirees |
| 193 | Guadalupe County | 0.23\% | 0.32\% |
| 526 | Gulf Coast WA - Galveston County | 0.28\% | 0.44\% |
| 194 | Hale County | 0.25\% | 0.57\% |
| 195 | Hall County | 0.84\% | 1.37\% |
| 787 | Hall County Appraisal District | 0.10\% | 0.33\% |
| 196 | Hamilton County | 0.23\% | 0.56\% |
| 197 | Hansford County | 0.31\% | 0.61\% |
| 585 | Hansford County Hospital District | 0.13\% | 0.21\% |
| 198 | Hardeman County | 0.39\% | 0.69\% |
| 199 | Hardin County | 0.34\% | 0.54\% |
| 527 | Hardin County Appraisal District | 0.34\% | 0.45\% |
| 571 | Harlingen Irrig. District Cameron County \#1 | 0.40\% | 0.56\% |
| 200 | Harris County | 0.21\% | 0.29\% |
| 598 | Harris County Appraisal District | 0.25\% | 0.31\% |
| 835 | Harris County ESD \#50 | 0.10\% | 0.10\% |
| 797 | Harris County Housing Authority | 0.16\% | 0.16\% |
| 569 | Harris County WCID \#1 | 0.26\% | 0.32\% |
| 877 | Harris County WCID \#36 | 0.25\% | 0.25\% |
| 625 | Harris County WCID \#50 | 0.20\% | 0.27\% |
| 201 | Harrison County | 0.27\% | 0.48\% |
| 202 | Hartley County | 0.29\% | 0.63\% |
| 520 | Hartley County Appraisal District | 0.22\% | 0.42\% |
| 203 | Haskell County | 0.40\% | 0.96\% |
| 552 | Haskell Memorial Hospital District | 0.20\% | 0.37\% |
| 204 | Hays County | 0.18\% | 0.25\% |
| 878 | Hays County ESD \#5 | 0.09\% | 0.09\% |
| 799 | Hays County ESD \#6 | 0.08\% | 0.08\% |
| 205 | Hemphill County | 0.36\% | 0.56\% |
| 640 | Hemphill County Appraisal District | 0.26\% | 0.31\% |
| 529 | Hemphill County Hospital District | 0.13\% | 0.18\% |
| 839 | Hemphill County Underground WCD | 0.15\% | 0.15\% |
| 206 | Henderson County | 0.26\% | 0.45\% |
| 746 | Henderson County 9-1-1 Comm. District | 0.68\% | 0.68\% |
| 704 | Henderson County Appraisal District | 0.21\% | 0.23\% |
| 414 | Hidalgo and Cameron Counties Irrig. Dist. \#9 | 0.25\% | 0.61\% |
| 207 | Hidalgo County | 0.17\% | 0.23\% |
| 516 | Hidalgo County Appraisal District | 0.18\% | 0.25\% |
| 401 | Hidalgo County Drainage District \#1 | 0.31\% | 0.41\% |
| 713 | Hidalgo County Irrigation District \#1 | 0.38\% | 0.45\% |
| 438 | Hidalgo County Irrigation District \#2 | 0.28\% | 0.41\% |

Appendix C - Group Term Life Fund Contribution Rates for 2015

| Employer Number | Employer Name | GTLF Contribution Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | Actives Only | Actives and Retirees |
| 486 | Hidalgo County Irrigation District \#6 | 0.32\% | 0.76\% |
| 674 | High Plains Underground WCD \# 1 | 0.24\% | 0.31\% |
| 208 | Hill County | 0.26\% | 0.45\% |
| 209 | Hockley County | 0.34\% | 0.65\% |
| 728 | Hockley County Appraisal District | 0.16\% | 0.22\% |
| 210 | Hood County | 0.27\% | 0.36\% |
| 211 | Hopkins County | 0.31\% | 0.49\% |
| 661 | Hopkins County Appraisal District | 0.13\% | 0.24\% |
| 212 | Houston County | 0.41\% | 0.59\% |
| 694 | Houston County Appraisal District | 0.29\% | 0.29\% |
| 213 | Howard County | 0.21\% | 0.51\% |
| 214 | Hudspeth County | 0.50\% | 0.79\% |
| 215 | Hunt County | 0.22\% | 0.36\% |
| 749 | Hunt County Appraisal District | 0.31\% | 0.32\% |
| 216 | Hutchinson County | 0.33\% | 0.60\% |
| 778 | Hutchinson County Appraisal District | 0.18\% | 0.20\% |
| 711 | Iraan General Hospital District | 0.13\% | 0.13\% |
| 217 | Irion County | 0.31\% | 0.62\% |
| 779 | Irion County Appraisal District | 0.20\% | 0.20\% |
| 218 | Jack County | 0.65\% | 1.00\% |
| 592 | Jack County Appraisal District | 0.14\% | 0.31\% |
| 219 | Jackson County | 0.31\% | 0.50\% |
| 770 | Jackson County Appraisal District | 0.13\% | 0.13\% |
| 441 | Jackson County County-Wide Drain. Dist. | 0.34\% | 0.42\% |
| 220 | Jasper County | 0.22\% | 0.47\% |
| 657 | Jasper County WCID \#1 | 0.22\% | 0.28\% |
| 221 | Jeff Davis County | 0.42\% | 0.62\% |
| 222 | Jefferson County | 0.23\% | 0.37\% |
| 404 | Jefferson County Drainage District \#3 | 0.44\% | 1.72\% |
| 408 | Jefferson County Drainage District \#6 | 0.40\% | 0.46\% |
| 405 | Jefferson County Drainage District \#7 | 0.23\% | 0.34\% |
| 451 | Jefferson County WCID \#10 | 0.17\% | 0.32\% |
| 223 | Jim Hogg County | 0.36\% | 0.60\% |
| 680 | Jim Hogg County Appraisal District | 0.39\% | 0.39\% |
| 656 | Jim Hogg County ESD \#1 | 0.22\% | 0.22\% |
| 641 | Jim Hogg County WCID \#2 | 0.28\% | 0.37\% |
| 224 | Jim Wells County | 0.33\% | 0.47\% |
| 225 | Johnson County | 0.28\% | 0.43\% |
| 741 | Jonah Water Special Utility District | 0.23\% | 0.23\% |
| 226 | Jones County | 0.24\% | 0.62\% |

Appendix C - Group Term Life Fund Contribution Rates for 2015

| Employer Number | EmployerName | GTLF Contribution Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | Actives Only | Actives and Retirees |
| 496 | Jones County Appraisal District | 0.14\% | 0.43\% |
| 227 | Karnes County | 0.35\% | 0.61\% |
| 524 | Karnes County Appraisal District | 0.28\% | 0.38\% |
| 455 | Karnes County Hospital District | 0.14\% | 0.20\% |
| 228 | Kaufman County | 0.26\% | 0.35\% |
| 662 | Kaufman County Appraisal District | 0.25\% | 0.33\% |
| 671 | Kendall Appraisal District | 0.36\% | 0.42\% |
| 229 | Kendall County | 0.41\% | 0.51\% |
| 619 | Kendall County WCID \#1 | 0.16\% | 0.24\% |
| 230 | Kenedy County | 0.33\% | 0.44\% |
| 854 | Kenedy County Central Appraisal District | 0.72\% | 0.72\% |
| 231 | Kent County | 0.41\% | 0.76\% |
| 594 | Kent County Tax Appraisal District | 0.47\% | 1.24\% |
| 232 | Kerr County | 0.29\% | 0.43\% |
| 653 | Kerr Emergency 9-1-1 Network | 0.38\% | 0.38\% |
| 233 | Kimble County | 0.32\% | 0.66\% |
| 234 | King County | 0.72\% | 0.95\% |
| 755 | King County Appraisal District | 0.04\% | 0.04\% |
| 235 | Kinney County | 0.34\% | 0.47\% |
| 579 | Kinney County Appraisal District | 0.65\% | 1.30\% |
| 236 | Kleberg County | 0.31\% | 0.53\% |
| 237 | Knox County | 0.33\% | 0.81\% |
| 241 | La Salle County | 0.26\% | 0.36\% |
| 540 | Laguna Madre WD - Cameron County | 0.18\% | 0.41\% |
| 867 | Lake Cities Municipal Utility Authority | 0.17\% | 0.17\% |
| 874 | Lake Kiowa Special Utility District | 0.31\% | 0.31\% |
| 514 | Lakeway MUD - Travis County | 0.21\% | 0.23\% |
| 238 | Lamar County | 0.25\% | 0.40\% |
| 808 | Lamar County Appraisal District | 0.28\% | 0.32\% |
| 239 | Lamb County | 0.33\% | 0.50\% |
| 650 | Lampasas Central Appraisal District | 0.09\% | 0.12\% |
| 240 | Lampasas County | 0.41\% | 0.64\% |
| 731 | LaSalle County Appraisal District | 0.19\% | 0.21\% |
| 439 | Lavaca - Navidad River Auth.- Jackson County | 0.28\% | 0.36\% |
| 242 | Lavaca County | 0.27\% | 0.45\% |
| 243 | Lee County | 0.29\% | 0.46\% |
| 244 | Leon County | 0.48\% | 0.73\% |
| 468 | Leon County Central Appraisal District | 0.39\% | 0.44\% |
| 245 | Liberty County | 0.43\% | 0.60\% |
| 481 | Liberty County Central Appraisal District | 0.18\% | 0.30\% |

Appendix C - Group Term Life Fund Contribution Rates for 2015

| Employer Number | EmployerName | GTLF Contribution Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | Actives Only | Actives and Retirees |
| 246 | Limestone County | 0.25\% | 0.40\% |
| 695 | Limestone County Appraisal District | 0.18\% | 0.23\% |
| 247 | Lipscomb County | 0.36\% | 0.73\% |
| 248 | Live Oak County | 0.33\% | 0.59\% |
| 591 | Live Oak County Appraisal District | 0.31\% | 0.39\% |
| 249 | Llano County | 0.33\% | 0.61\% |
| 250 | Loving County | 0.77\% | 1.12\% |
| 513 | Loving County Appraisal District | 0.17\% | 0.53\% |
| 756 | Lower Trinity GCD | 0.65\% | 0.65\% |
| 714 | Lower Valley Water District | 0.24\% | 0.26\% |
| 499 | Lubbock Central Appraisal District | 0.25\% | 0.36\% |
| 251 | Lubbock County | 0.19\% | 0.28\% |
| 425 | Lubbock County WCID \#1 | 0.39\% | 0.41\% |
| 558 | Lubbock ECD | 0.32\% | 0.32\% |
| 647 | Lubbock Reese Redevelopment Authority | 0.62\% | 0.65\% |
| 639 | Lumberton Municipal Utility District | 0.18\% | 0.20\% |
| 252 | Lynn County | 0.33\% | 0.55\% |
| 497 | Lynn County Appraisal District | 0.16\% | 1.16\% |
| 442 | Lynn County Hospital District | 0.12\% | 0.18\% |
| 630 | Macedonia - Eylau MUD - Bowie County | 0.17\% | 0.19\% |
| 500 | Mackenzie MWA - Briscoe County | 0.51\% | 1.15\% |
| 256 | Madison County | 0.91\% | 1.20\% |
| 596 | Madison County Appraisal District | 0.40\% | 0.53\% |
| 257 | Marion County | 0.38\% | 0.65\% |
| 675 | Marion County Appraisal District | 0.13\% | 0.20\% |
| 658 | Marshall-Harrison County Health District | 0.04\% | 0.31\% |
| 258 | Martin County | 0.38\% | 0.60\% |
| 595 | Martin County Appraisal District | 0.27\% | 0.42\% |
| 259 | Mason County | 0.47\% | 0.76\% |
| 260 | Matagorda County | 0.26\% | 0.57\% |
| 678 | Matagorda County Drainage District | 0.23\% | 0.34\% |
| 440 | Matagorda County Hospital District | 0.15\% | 0.31\% |
| 677 | Matagorda County Navigation District \#1 | 0.34\% | 0.75\% |
| 261 | Maverick County | 0.17\% | 0.25\% |
| 729 | Maverick County Hospital District | 0.23\% | 0.23\% |
| 453 | Maverick County WCID \#1 | 0.23\% | 0.51\% |
| 844 | McCamey County Hospital District | 0.22\% | 0.22\% |
| 253 | McCulloch County | 0.41\% | 0.67\% |
| 512 | McCulloch County Appraisal District | 0.07\% | 0.08\% |
| 254 | McLennan County | 0.20\% | 0.34\% |

Appendix C - Group Term Life Fund Contribution Rates for 2015

|  |  |  | GTLF Contribution Rate |  |
| :---: | :--- | :--- | :---: | :---: |
| Employer <br> Number |  | Employer |  | Name |

Appendix C - Group Term Life Fund Contribution Rates for 2015

| Employer Number | Employer Name | GTLF Contribution Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | Actives Only | Actives and Retirees |
| 276 | Nolan County | 0.46\% | 0.69\% |
| 556 | North Central Texas MWA | 0.19\% | 0.37\% |
| 852 | North Hunt Special Utility District | 0.06\% | 0.06\% |
| 838 | North Plains GCD | 0.25\% | 0.25\% |
| 646 | North Texas Tollway Authority | 0.20\% | 0.23\% |
| 562 | Northeast Texas Municipal Water District | 0.26\% | 0.40\% |
| 632 | Northeast Texas Public Health District | 0.15\% | 0.22\% |
| 277 | Nueces County | 0.25\% | 0.42\% |
| 683 | Nueces County Appraisal District | 0.27\% | 0.32\% |
| 400 | Nueces County Drainage District \#2 | 0.37\% | 0.59\% |
| 791 | Nueces County ESD \#2 | 0.09\% | 0.09\% |
| 416 | Nueces County WCID \#3 | 0.30\% | 0.40\% |
| 450 | Nueces County WCID \#4 | 0.18\% | 0.23\% |
| 278 | Ochiltree County | 0.53\% | 0.78\% |
| 279 | Oldham County | 0.34\% | 0.73\% |
| 517 | Oldham County Appraisal District | 0.43\% | 0.54\% |
| 280 | Orange County | 0.25\% | 0.39\% |
| 490 | Orange County Appraisal District | 0.25\% | 0.38\% |
| 421 | Orange County Drainage District | 0.31\% | 0.43\% |
| 665 | Orange County ESD \# 1 | 0.11\% | 0.13\% |
| 803 | Orange County ESD \#2 | 0.18\% | 0.18\% |
| 660 | Orange County Navigation and Port District | 0.52\% | 0.52\% |
| 631 | Orange County WCID \#1 | 0.24\% | 0.30\% |
| 730 | Palo Duro River Authority | 0.37\% | 0.37\% |
| 723 | Palo Pinto Appraisal District | 0.14\% | 0.15\% |
| 281 | Palo Pinto County | 0.25\% | 0.39\% |
| 282 | Panola County | 0.30\% | 0.52\% |
| 283 | Parker County | 0.28\% | 0.37\% |
| 717 | Parker County Appraisal District | 0.23\% | 0.25\% |
| 784 | Parker County Hospital District | 0.13\% | 0.13\% |
| 754 | Parker County Special Utility District | 0.16\% | 0.16\% |
| 284 | Parmer County | 0.45\% | 0.80\% |
| 747 | Parmer County Appraisal District | 0.08\% | 0.08\% |
| 765 | Pecan Valley GCD | 0.20\% | 0.34\% |
| 285 | Pecos County | 0.19\% | 0.31\% |
| 494 | Pecos County Appraisal District | 0.17\% | 0.60\% |
| 774 | Pecos County WCID \#1 | 0.37\% | 0.37\% |
| 796 | Permian Basin Regional Planning Comm. | 0.24\% | 0.24\% |
| 673 | Permian Regional Medical Center | 0.17\% | 0.19\% |
| 707 | Pineywoods GCD | 0.53\% | 0.63\% |

Appendix C - Group Term Life Fund Contribution Rates for 2015

| Employer Number | EmployerName | GTLF Contribution Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | Actives Only | Actives and Retirees |
| 697 | Polk Central Appraisal District | 0.15\% | 0.18\% |
| 286 | Polk County | 0.25\% | 0.41\% |
| 739 | Polk County Fresh Water Supply District \#2 | 0.11\% | 0.14\% |
| 676 | Port of Bay City Authority | 0.09\% | 0.09\% |
| 449 | Port of Beaumont Navigation District | 0.32\% | 0.44\% |
| 620 | Port of Corpus Christi Authority | 0.29\% | 0.40\% |
| 622 | Port of Port Arthur Navigation District | 0.39\% | 0.41\% |
| 726 | Post Oak Savannah GCD | 0.21\% | 0.21\% |
| 560 | Potter - Randall County ECD | 0.11\% | 0.21\% |
| 287 | Potter County | 0.17\% | 0.28\% |
| 626 | Presidio Appraisal District | 0.07\% | 0.08\% |
| 288 | Presidio County | 0.20\% | 0.39\% |
| 289 | Rains County | 0.35\% | 0.55\% |
| 537 | Rains County Appraisal District | 0.21\% | 0.37\% |
| 290 | Randall County | 0.17\% | 0.25\% |
| 564 | Randall County Appraisal District | 0.27\% | 0.38\% |
| 406 | Rankin County Hospital Dist. - Upton County | 0.13\% | 0.25\% |
| 291 | Reagan County | 0.20\% | 0.36\% |
| 445 | Reagan Hospital District | 0.14\% | 0.22\% |
| 292 | Real County | 0.45\% | 0.94\% |
| 505 | Red Bluff WPCD - Reeves County | 0.29\% | 1.80\% |
| 845 | Red River Appraisal District | 0.19\% | 0.20\% |
| 435 | Red River Authority | 0.22\% | 0.28\% |
| 293 | Red River County | 0.22\% | 0.54\% |
| 294 | Reeves County | 0.22\% | 0.29\% |
| 786 | Reeves County Appraisal District | 0.08\% | 0.08\% |
| 588 | Reeves County Hospital District | 0.21\% | 0.26\% |
| 295 | Refugio County | 0.29\% | 0.53\% |
| 543 | Refugio County Drainage District \#1 | 0.49\% | 0.87\% |
| 736 | Refugio Groundwater Conservation District | 0.18\% | 0.18\% |
| 801 | Rio Grande Council of Governments | 0.23\% | 0.24\% |
| 296 | Roberts County | 0.37\% | 0.69\% |
| 297 | Robertson County | 0.22\% | 0.31\% |
| 698 | Rockwall Central Appraisal District | 0.22\% | 0.26\% |
| 298 | Rockwall County | 0.29\% | 0.37\% |
| 299 | Runnels County | 0.43\% | 0.85\% |
| 300 | Rusk County | 0.39\% | 0.61\% |
| 612 | Rusk County Appraisal District | 0.35\% | 0.46\% |
| 848 | Rusk County GCD | 0.38\% | 0.38\% |
| 301 | Sabine County | 0.71\% | 0.92\% |

Appendix C - Group Term Life Fund Contribution Rates for 2015

| Employer Number | EmployerName | GTLF Contribution Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | Actives Only | Actives and Retirees |
| 863 | Sabine County Appraisal District | 0.95\% | 0.95\% |
| 568 | Sabine Pass Port Authority | 0.16\% | 0.26\% |
| 706 | Sabine-Neches Nav. Dist. of Jefferson County | 0.27\% | 0.29\% |
| 302 | San Augustine County | 0.33\% | 0.51\% |
| 303 | San Jacinto County | 0.31\% | 0.53\% |
| 553 | San Jacinto County Central Appraisal District | 0.11\% | 0.25\% |
| 304 | San Patricio County | 0.27\% | 0.45\% |
| 495 | San Patricio County Appraisal District | 0.10\% | 0.36\% |
| 426 | San Patricio County Drainage District | 0.33\% | 0.49\% |
| 750 | San Patricio County Navigation District \#1 | 0.45\% | 0.45\% |
| 422 | San Patricio Municipal Water District | 0.27\% | 0.40\% |
| 305 | San Saba County | 0.32\% | 0.58\% |
| 766 | Santo Special Utility District | 0.33\% | 0.33\% |
| 306 | Schleicher County | 0.57\% | 0.77\% |
| 307 | Scurry County | 0.32\% | 0.74\% |
| 760 | Scurry County Hospital District | 0.16\% | 0.17\% |
| 308 | Shackelford County | 0.25\% | 0.52\% |
| 470 | Shackelford County Appraisal District | 0.22\% | 0.57\% |
| 309 | Shelby County | 0.45\% | 0.77\% |
| 627 | Shelby County Appraisal District | 0.38\% | 0.42\% |
| 310 | Sherman County | 0.25\% | 0.60\% |
| 469 | Sherman County Appraisal District | 0.14\% | 0.27\% |
| 311 | Smith County | 0.21\% | 0.32\% |
| 555 | Smith County 9-1-1 Communications District | 0.15\% | 0.19\% |
| 606 | Smith County Appraisal District | 0.22\% | 0.25\% |
| 312 | Somervell County | 0.39\% | 0.55\% |
| 507 | Somervell County Central Appraisal District | 0.09\% | 0.24\% |
| 699 | Somervell County Water District | 0.33\% | 0.33\% |
| 795 | South Plains Association of Governments | 0.21\% | 0.22\% |
| 645 | South Texas Development Council | 1.34\% | 1.38\% |
| 768 | Southeast Texas GCD | 0.16\% | 0.16\% |
| 313 | Starr County | 0.28\% | 0.44\% |
| 536 | Starr County Appraisal District | 0.16\% | 0.26\% |
| 314 | Stephens County | 0.55\% | 0.71\% |
| 869 | Stephens County Tax Appraisal District | 0.08\% | 0.08\% |
| 315 | Sterling County | 0.31\% | 0.60\% |
| 837 | Sterling County Appraisal District | 0.79\% | 0.79\% |
| 316 | Stonewall County | 0.42\% | 0.81\% |
| 724 | Stonewall County Appraisal District | 0.11\% | 0.31\% |
| 458 | Stonewall Memorial Hospital District | 0.20\% | 0.38\% |

Appendix C - Group Term Life Fund Contribution Rates for 2015

| Employer Number | EmployerName | GTLF Contribution Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | Actives Only | Actives and Retirees |
| 539 | Stratford Hospital District - Sherman County | 0.15\% | 0.21\% |
| 317 | Sutton County | 0.36\% | 0.53\% |
| 573 | Sutton County Hospital District | 0.16\% | 0.21\% |
| 318 | Swisher County | 0.53\% | 1.06\% |
| 460 | Swisher County Appraisal District | 0.30\% | 0.59\% |
| 607 | Tarrant Appraisal District | 0.27\% | 0.36\% |
| 545 | Tarrant Co 9-1-1 EAD | 0.30\% | 0.31\% |
| 319 | Tarrant County | 0.23\% | 0.33\% |
| 574 | Tax Appraisal District of Cottle County | 0.42\% | 0.42\% |
| 320 | Taylor County | 0.22\% | 0.35\% |
| 321 | Terrell County | 0.32\% | 0.45\% |
| 753 | Terrell County WCID \#1 | 0.37\% | 0.37\% |
| 322 | Terry County | 0.34\% | 0.61\% |
| 402 | Terry Memorial Hospital District | 0.17\% | 0.31\% |
| 437 | Texas Association of Counties | 0.22\% | 0.26\% |
| 354 | Texas County \& District Retirement System | 0.22\% | 0.24\% |
| 634 | Texas Eastern 9-1-1 Network | 0.40\% | 0.40\% |
| 772 | The Housing Authority of the City of Abilene | 0.22\% | 0.22\% |
| 777 | The Housing Auth. of the City of Huntington | 0.20\% | 0.20\% |
| 323 | Throckmorton County | 0.73\% | 1.11\% |
| 324 | Titus County | 0.24\% | 0.44\% |
| 742 | Titus County Appraisal District | 0.21\% | 0.23\% |
| 501 | Titus County Fresh Water Supply District | 0.22\% | 0.44\% |
| 325 | Tom Green County | 0.23\% | 0.36\% |
| 601 | Travis Central Appraisal District | 0.23\% | 0.32\% |
| 326 | Travis County | 0.19\% | 0.24\% |
| 720 | Travis County ESD \#1 NLT Fire \& Rescue | 0.17\% | 0.18\% |
| 831 | Travis County ESD \#4 | 0.11\% | 0.11\% |
| 666 | Travis County WCID - Point Venture | 0.16\% | 0.16\% |
| 659 | Tri-County Special Utility District | 0.29\% | 0.29\% |
| 633 | Trinity Bay Conservation District | 0.30\% | 0.36\% |
| 327 | Trinity County | 0.59\% | 0.94\% |
| 857 | Trinity County Appraisal District | 0.16\% | 0.16\% |
| 790 | Trophy Club Municipal Utility District No 1 | 0.22\% | 0.22\% |
| 735 | Two Way Special Utility District | 0.13\% | 0.16\% |
| 328 | Tyler County | 0.30\% | 0.53\% |
| 471 | Tyler County Appraisal District | 0.32\% | 0.45\% |
| 561 | United Irrigation District - Hidalgo County | 0.25\% | 0.69\% |
| 834 | Upper Brushy Creek WCID | 0.11\% | 0.11\% |
| 792 | Upper Trinity GCD | 0.53\% | 0.53\% |

Appendix C - Group Term Life Fund Contribution Rates for 2015

| Employer Number | EmployerName | GTLF Contribution Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | Actives Only | Actives and Retirees |
| 329 | Upshur County | 0.33\% | 0.57\% |
| 330 | Upton County | 0.25\% | 0.46\% |
| 682 | Upton County Appraisal District | 0.58\% | 0.65\% |
| 331 | Uvalde County | 0.30\% | 0.45\% |
| 332 | Val Verde County | 0.43\% | 0.62\% |
| 663 | Valley MUD \#2 - Cameron County | 0.31\% | 0.36\% |
| 586 | Valwood Improv. Auth. - Dallas County | 0.34\% | 0.34\% |
| 333 | Van Zandt County | 0.29\% | 0.56\% |
| 672 | Van Zandt County Appraisal District | 0.36\% | 0.41\% |
| 420 | Velasco Drainage District - Brazoria County | 0.19\% | 0.26\% |
| 334 | Victoria County | 0.19\% | 0.28\% |
| 423 | Victoria County Drainage District \#3 | 1.34\% | 1.51\% |
| 767 | Victoria County GCD | 0.23\% | 0.23\% |
| 335 | Walker County | 0.25\% | 0.36\% |
| 748 | Walker County Special Utility District | 0.20\% | 0.20\% |
| 336 | Waller County | 0.25\% | 0.47\% |
| 773 | Waller County Appraisal District | 0.34\% | 0.36\% |
| 337 | Ward County | 0.32\% | 0.65\% |
| 565 | Ward County Central Appraisal District | 0.43\% | 0.43\% |
| 444 | Ward Memorial Hospital | 0.24\% | 0.35\% |
| 338 | Washington County | 0.27\% | 0.39\% |
| 339 | Webb County | 0.19\% | 0.25\% |
| 604 | Webb County Appraisal District | 0.37\% | 0.41\% |
| 443 | West Central Texas Council of Governments | 0.26\% | 0.37\% |
| 410 | West Central Texas Municipal WD | 0.34\% | 0.56\% |
| 454 | West Jefferson County Municipal WD | 0.24\% | 0.57\% |
| 688 | West Nueces -Las Moras Soil and WCD \#236 | 0.12\% | 0.12\% |
| 340 | Wharton County | 0.26\% | 0.47\% |
| 621 | Wharton County WCID \#1 | 0.39\% | 0.71\% |
| 341 | Wheeler County | 0.35\% | 0.47\% |
| 476 | Wheeler County Appraisal District | 0.16\% | 0.35\% |
| 427 | White River MWD - Dickens County | 0.24\% | 0.62\% |
| 740 | Wichita Appraisal District | 0.26\% | 0.27\% |
| 342 | Wichita County | 0.22\% | 0.37\% |
| 446 | Wichita County WID \#2 | 0.25\% | 0.76\% |
| 559 | Wichita-Wilbarger 9-1-1 District | 0.44\% | 0.95\% |
| 655 | Wickson Creek SUD - Brazos County | 0.20\% | 0.21\% |
| 343 | Wilbarger County | 0.43\% | 0.63\% |
| 715 | Wilbarger County Appraisal District | 0.12\% | 0.12\% |
| 530 | Wilbarger County Hospital District | 0.16\% | 0.24\% |

Appendix C - Group Term Life Fund Contribution Rates for 2015

| Employer Number | EmployerName | GTLF Contribution Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | Actives Only | Actives and Retirees |
| 344 | Willacy County | 0.32\% | 0.52\% |
| 575 | Willacy County Appraisal District | 0.20\% | 0.24\% |
| 652 | Willacy County Housing Authority | 0.19\% | 0.38\% |
| 608 | Williamson Central Appraisal District | 0.19\% | 0.28\% |
| 345 | Williamson County | 0.20\% | 0.25\% |
| 798 | Williamson County ESD \#3 | 0.12\% | 0.12\% |
| 346 | Wilson County | 0.29\% | 0.49\% |
| 479 | Wilson County Appraisal District | 0.16\% | 0.42\% |
| 347 | Winkler County | 0.34\% | 0.57\% |
| 533 | Winkler County Appraisal District | 0.18\% | 0.43\% |
| 348 | Wise County | 0.23\% | 0.29\% |
| 493 | Wise County Appraisal District | 0.17\% | 0.47\% |
| 349 | Wood County | 0.20\% | 0.37\% |
| 700 | Wood County Appraisal District | 0.21\% | 0.22\% |
| 350 | Yoakum County | 0.25\% | 0.38\% |
| 776 | Yoakum County Appraisal District | 0.35\% | 0.41\% |
| 351 | Young County | 0.46\% | 0.67\% |
| 352 | Zapata County | 0.25\% | 0.35\% |
| 649 | Zapata County Appraisal District | 0.17\% | 0.18\% |
| 353 | Zavala County | 0.27\% | 0.50\% |
| 566 | Zavala County Appraisal District | 0.09\% | 0.25\% |

# Texas County \& District Retirement System <br> System-wide Actuarial Valuation 

December 31, 2013

## Appendix D Summary of Plan Provisions

## Employee Deposit Rate

Employer Matching Rate

Monetary Prior Service Percentage

Vesting

Service Retirement Eligibility

Employee Deposit Rate may be any integer percentage between $4 \%$ and $7 \%$. This rate is set by the employer and the selected percentage of each employee's paycheck is deposited into his or her TCDRS account where it is credited 7\% per year annually.

Each employer selects a matching rate on employee deposits. This rate must be at least a dollar-for-dollar match, up to a $250 \%$ match ( $\$ 2.50$ for each $\$ 1.00$ in the employee's account).

Each employer may elect to credit an employee account for service worked prior to the employer's participation date with TCDRS.

The amount of service an employee needs to earn a future benefit is called the vesting requirement. When an employee is vested, he or she has the right to a monthly benefit, which includes employer matching, at age 60 or older. Employers may choose 5-, 8-, or 10-year vesting.

Employees may retire before age 60 if they meet one of the following requirements, selected by the employer:

- "Rule-of" eligibility: Under these rules, a vested employee can retire if his or her age plus years of service time add up to at least 75 (Rule of 75 ) or 80 (Rule of 80).
- 20-year or 30-year retirement at any age: Under these rules, an employee may retire when he or she has at least 20 or 30 years of service time, regardless of age.

The service retirement benefit is calculated based on the employee account balance at retirement, plus any applicable employer matching. This total amount is then converted to an annuity at retirement.

The standard form of payment is a straight life option, with a guaranteed return of the retiree's account balance at the time of retirement. Other payment options may be selected and are calculated on an actuarially equivalent basis.

Each employer has the option of allowing a partial lump-sum payment. This gives the retiring member the option of receiving a reduced monthly benefit plus a lump-sum payment not to exceed his or her account balance in the Employee Savings Fund (employee contributions with interest only).

## Service Retirement Benefit

Group Term Life Coverage<br>\section*{Disability Retirement}

## Survivor Benefits

Each employer may elect whether to provide group term life coverage. The employer may elect to provide no coverage; to provide coverage to current employees only; or to provide coverage to current employees and retirees. The death benefit is a lump-sum payment as follows:

Active member - member's current annual compensation at the time of death.

Retired member - \$5,000
A member who is vested and who is totally and permanently disabled is eligible for a disability retirement benefit. A member who is not vested is eligible for disability retirement benefits if the total and permanent disability was a result of an on-the-job injury.

Benefits are payable to the beneficiaries or estate of a deceased member. The eligibility requirement for an employer-provided survivor benefit is four years of TCDRS service. For those eligible, the beneficiary has the option of electing either a refund of the member's account balance or a monthly annuity that is actuarially equivalent to the member's account with employer matching credits.

## Appendix D - Plan Provisions by Employer

| Employer Number | Employer Name | Employee Deposit Rate | Employer Matching Rate | Monetary Prior Service Percentage | Vesting | Retirement Eligibility |  | Partial Lump Sum Option | Group Term Life Coverage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Rule of | Any Age |  |  |
| 638 | Acton Municipal Utility District | 5.00\% | 200\% | 100\% | 10 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 789 | Agua Special Utility District | 4.00\% | 200\% | 0\% | 5 Years | 80 | 20 Years Svc | No | None |
| 615 | Alamo Area Council of Governments | 6.00\% | 200\% | 100\% | 10 Years | 80 | 30 Years Svc | Yes | None |
| 100 | Anderson County | 7.00\% | 180\% | 105\% | 8 Years | 75 | 20 Years Svc | No | None |
| 691 | Anderson County Central Appraisal District | 6.00\% | 150\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 101 | Andrews County | 7.00\% | 200\% | 170\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 875 | Andrews County Appraisal District | 7.00\% | 200\% | 0\% | 8 Years | 75 | 20 Years Svc | No | None |
| 684 | Angelina \& Nacogdoches Counties WCID \#1 | 6.00\% | 150\% | 10\% | 10 Years | 80 | 30 Years Svc | No | None |
| 102 | Angelina County | 7.00\% | 180\% | 135\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 502 | Angelina County Appraisal District | 7.00\% | 200\% | 150\% | 10 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 576 | Angleton Drainage District | 7.00\% | 125\% | 110\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 614 | Aquilla Water Supply District - Hill County | 6.00\% | 150\% | 115\% | 10 Years | 75 | 30 Years Svc | No | Employees Only |
| 103 | Aransas County | 7.00\% | 190\% | 120\% | 10 Years | 75 | 30 Years Svc | No | None |
| 459 | Aransas County Appraisal District | 7.00\% | 250\% | 150\% | 10 Years | 75 | 20 Years Svc | No | None |
| 668 | Aransas County Navigation District | 7.00\% | 200\% | 10\% | 10 Years | 75 | 30 Years Svc | Yes | Employees Only |
| 104 | Archer County | 7.00\% | 125\% | 115\% | 8 Years | 75 | 30 Years Svc | No | None |
| 503 | Archer County Appraisal District | 7.00\% | 175\% | 150\% | 10 Years | 80 | 30 Years Svc | No | None |
| 105 | Armstrong County | 7.00\% | 150\% | 110\% | 8 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 106 | Atascosa County | 6.00\% | 200\% | 135\% | 8 Years | 75 | 30 Years Svc | No | None |
| 551 | Atascosa County Appraisal District | 7.00\% | 200\% | 140\% | 8 Years | 75 | 20 Years Svc | No | Employees and Retirees |
| 107 | Austin County | 7.00\% | 150\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 461 | Austin County Appraisal District | 7.00\% | 225\% | 160\% | 8 Years | 75 | 30 Years Svc | No | None |
| 597 | Bacliff Municipal Utility District | 6.00\% | 150\% | 100\% | 10 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 108 | Bailey County | 7.00\% | 100\% | 115\% | 8 Years | 80 | 30 Years Svc | No | None |
| 109 | Bandera County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 110 | Bastrop County | 7.00\% | 200\% | 140\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 812 | Bastrop County ESD \#1 | 6.00\% | 125\% | 0\% | 8 Years | 75 | 30 Years Svc | No | None |
| 111 | Baylor County | 7.00\% | 150\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 685 | Baylor County Appraisal District | 7.00\% | 100\% | 10\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 613 | Bayview Irrigation District \#11 | 7.00\% | 100\% | 20\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 690 | Bayview Municipal Utility District | 4.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 112 | Bee County | 7.00\% | 175\% | 135\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 113 | Bell County | 7.00\% | 225\% | 165\% | 8 Years | 75 | 30 Years Svc | No | None |
| 506 | Bell County Appraisal District | 7.00\% | 150\% | 150\% | 8 Years | 75 | 30 Years Svc | No | None |
| 418 | Bell County WCID \#1 | 7.00\% | 100\% | 110\% | 8 Years | 75 | 20 Years Svc | No | Employees Only |
| 708 | Benbrook Water Authority | 7.00\% | 150\% | 0\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 472 | Bexar Appraisal District | 7.00\% | 250\% | 150\% | 10 Years | 75 | 30 Years Svc | No | None |
| 114 | Bexar County | 7.00\% | 200\% | 155\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 861 | Bexar County ESD No. 2 | 4.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 828 | Bexar County ESD 7 | 5.00\% | 200\% | 0\% | 10 Years | 75 | 20 Years Svc | No | None |
| 544 | Bexar County WCID \#10 | 7.00\% | 100\% | 70\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 716 | Bexar Metro 9-1-1 Network District | 7.00\% | 200\% | 100\% | 10 Years | 80 | 30 Years Svc | No | None |
| 737 | Bexar-Medina-Atascosa WCID \#1 | 7.00\% | 200\% | 0\% | 5 Years | 80 | 30 Years Svc | No | None |
| 616 | Bistone Municipal WSD - Limestone County | 7.00\% | 200\% | 25\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 115 | Blanco County | 7.00\% | 150\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| professional when reviewing the Milliman work prod |  |  | for the purpos parties who rece duct. | described herein and this work. Milliman | may not be recommend | propriate hat third | use for other lies be aided | poses. Millim their own act | does not intend to or other qualified |
| cda0835 Appendices.docx |  |  |  |  |  |  |  |  |  |

## Appendix D - Plan Provisions by Employer

| Employer Number | Employer Name | Employee Deposit Rate | Employer Matching Rate | Monetary Prior Service Percentage | Vesting | Retirement Eligibility |  | Partial Lump Sum Option | Group Term Life Coverage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Rule of | Any Age |  |  |
| 116 | Borden County | 7.00\% | 175\% | 105\% | 8 Years | 75 | 30 Years Svc | No | None |
| 525 | Borden County Appraisal District | 7.00\% | 100\% | 100\% | 10 Years | 80 | 30 Years Svc | No | None |
| 117 | Bosque County | 5.00\% | 200\% | 115\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 521 | Bosque County Central Appraisal District | 7.00\% | 200\% | 150\% | 8 Years | 80 | 30 Years Svc | No | None |
| 118 | Bowie County | 7.00\% | 200\% | 165\% | 10 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 119 | Brazoria County | 7.00\% | 200\% | 130\% | 8 Years | 75 | 30 Years Svc | No | None |
| 508 | Brazoria County Appraisal District | 7.00\% | 200\% | 150\% | 10 Years | 80 | 30 Years Svc | No | None |
| 413 | Brazoria County Cons. and Rec. District \#3 | 7.00\% | 250\% | 115\% | 8 Years | 75 | 20 Years Svc | No | Employees Only |
| 424 | Brazoria County Drainage District \#4 | 7.00\% | 250\% | 70\% | 8 Years | 75 | 20 Years Svc | No | Employees and Retirees |
| 681 | Brazoria County Drainage District \#5 | 7.00\% | 100\% | 10\% | 10 Years | 80 | 30 Years Svc | Yes | None |
| 689 | Brazos Central Appraisal District | 7.00\% | 250\% | 0\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 120 | Brazos County | 7.00\% | 225\% | 120\% | 8 Years | 75 | 30 Years Svc | No | None |
| 600 | Brazos County ECD | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | No | None |
| 849 | Brazos Regional Public Utility Agency | 6.00\% | 200\% | 0\% | 8 Years | 80 | 30 Years Svc | No | None |
| 744 | Brazos River Authority | 6.00\% | 200\% | 0\% | 8 Years | 80 | 30 Years Svc | No | None |
| 806 | Brazos Valley Council of Governments | 5.00\% | 200\% | 0\% | 8 Years | 80 | 30 Years Svc | No | None |
| 809 | Brazos Valley GCD | 7.00\% | 235\% | 100\% | 8 Years | 75 | 30 Years Svc | No | None |
| 121 | Brewster County | 7.00\% | 185\% | 135\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 581 | Brewster County Appraisal District | 7.00\% | 185\% | 40\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 745 | Bright Star-Salem Special Utility District | 6.00\% | 100\% | 0\% | 10 Years | 75 | 20 Years Svc | No | None |
| 122 | Briscoe County | 7.00\% | 150\% | 20\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 876 | Brookesmith Special Utility District | 4.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 123 | Brooks County | 7.00\% | 250\% | 175\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 554 | Brookshire - Katy Drainage District | 4.00\% | 160\% | 110\% | 10 Years | 80 | 30 Years Svc | No | None |
| 522 | Brookshire Municipal Water District | 7.00\% | 150\% | 150\% | 10 Years | 80 | 20 Years Svc | Yes | Employees and Retirees |
| 124 | Brown County | 5.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | No | None |
| 702 | Brownsville Irrigation District | 7.00\% | 100\% | 10\% | 8 Years | 80 | 30 Years Svc | No | None |
| 642 | Brushy Creek MUD - Williamson County | 6.00\% | 200\% | 150\% | 8 Years | 80 | 20 Years Svc | No | None |
| 125 | Burleson County | 7.00\% | 125\% | 100\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 609 | Burnet Central Appraisal District | 7.00\% | 200\% | 100\% | 10 Years | 75 | 30 Years Svc | No | None |
| 126 | Burnet County | 7.00\% | 200\% | 140\% | 8 Years | 75 | 20 Years Svc | Yes | Employees and Retirees |
| 127 | Caldwell County | 5.00\% | 150\% | 125\% | 8 Years | 75 | 30 Years Svc | No | None |
| 718 | Caldwell County Appraisal District | 7.00\% | 175\% | 0\% | 8 Years | 75 | 30 Years Svc | No | None |
| 128 | Calhoun County | 7.00\% | 200\% | 95\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 709 | Calhoun County Appraisal District | 7.00\% | 200\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 788 | Calhoun County E911 ECD | 7.00\% | 200\% | 0\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 129 | Callahan County | 6.00\% | 110\% | 65\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 542 | Callahan County Appraisal District | 7.00\% | 100\% | 105\% | 10 Years | 75 | 30 Years Svc | Yes | None |
| 130 | Cameron County | 7.00\% | 200\% | 160\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 618 | Cameron County Appraisal District | 7.00\% | 200\% | 125\% | 8 Years | 75 | 30 Years Svc | No | None |
| 692 | Cameron County Drainage District \#1 | 7.00\% | 100\% | 10\% | 8 Years | 75 | 20 Years Svc | No | None |
| 664 | Cameron County Drainage District \#3 | 7.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | Yes | None |
| 686 | Cameron County Drainage District \#5 | 7.00\% | 150\% | 10\% | 10 Years | 75 | 30 Years Svc | No | None |
| 851 | Cameron County ECD | 5.00\% | 200\% | 0\% | 5 Years | 75 | 30 Years Svc | No | None |
| 462 | Cameron County Irrigation District \#2 | 7.00\% | 100\% | 25\% | 10 Years | 80 | 30 Years Svc | Yes | None |

## Appendix D - Plan Provisions by Employer

| Employer Number | Employer Name | Employee Deposit Rate | Employer Matching Rate | Monetary Prior Service Percentage | Vesting | Retirement Eligibility |  | Partial LumpSum Option | Group Term Life Coverage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Rule of | Any Age |  |  |
| 590 | Cameron County Irrigation District \#6 | 7.00\% | 100\% | 10\% | 10 Years | 80 | 30 Years Svc | No | None |
| 670 | Camp Central Appraisal District | 7.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | Yes | Employees Only |
| 131 | Camp County | 7.00\% | 175\% | 135\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 132 | Carson County | 7.00\% | 200\% | 110\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 133 | Cass County | 7.00\% | 150\% | 150\% | 8 Years | 75 | 30 Years Svc | No | None |
| 610 | Cass County Appraisal District | 7.00\% | 150\% | 45\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 134 | Castro County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | No | None |
| 719 | Central Appraisal District of Bandera County | 7.00\% | 175\% | 40\% | 8 Years | 75 | 30 Years Svc | No | None |
| 635 | Central Appraisal District of Johnson County | 7.00\% | 200\% | 100\% | 8 Years | 75 | 30 Years Svc | No | None |
| 602 | Central Appraisal District of Taylor County | 7.00\% | 125\% | 100\% | 10 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 862 | Central Texas GCD | 5.00\% | 100\% | 0\% | 10 Years | 75 | 20 Years Svc | Yes | Employees and Retirees |
| 712 | Central Texas Regional Mobility Authority | 7.00\% | 250\% | 175\% | 5 Years | 75 | 30 Years Svc | No | Employees Only |
| 648 | Central WCID - Angelina County | 7.00\% | 100\% | 50\% | 8 Years | 75 | 30 Years Svc | No | None |
| 135 | Chambers County | 7.00\% | 220\% | 145\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 531 | Chambers County Appraisal District | 7.00\% | 250\% | 135\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 548 | Chambers County Public Hospital District | 5.00\% | 200\% | 150\% | 10 Years | 75 | 30 Years Svc | No | None |
| 136 | Cherokee County | 7.00\% | 150\% | 145\% | 8 Years | 75 | 30 Years Svc | No | None |
| 137 | Childress County | 5.00\% | 100\% | 100\% | 8 Years | 80 | 20 Years Svc | No | None |
| 511 | Childress County Appraisal District | 4.00\% | 100\% | 150\% | 10 Years | 80 | 30 Years Svc | No | None |
| 582 | Childress County Hospital District | 7.00\% | 125\% | 75\% | 8 Years | 75 | 30 Years Svc | No | None |
| 138 | Clay County | 7.00\% | 140\% | 140\% | 10 Years | 80 | 30 Years Svc | No | None |
| 485 | Clay County Appraisal District | 7.00\% | 200\% | 150\% | 10 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 703 | Coastal Bend GCD | 7.00\% | 120\% | 100\% | 8 Years | 75 | 30 Years Svc | No | None |
| 722 | Coastal Plains GCD | 7.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 139 | Cochran County | 7.00\% | 175\% | 125\% | 10 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 477 | Cochran County Appraisal District | 7.00\% | 165\% | 115\% | 8 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 140 | Coke County | 7.00\% | 155\% | 85\% | 8 Years | 80 | 30 Years Svc | No | None |
| 751 | Coke County Appraisal District | 7.00\% | 140\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 141 | Coleman County | 7.00\% | 125\% | 110\% | 8 Years | 75 | 20 Years Svc | No | None |
| 142 | Collin County | 7.00\% | 200\% | 175\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 457 | Collin County Central Appraisal District | 7.00\% | 250\% | 150\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 143 | Collingsworth County | 7.00\% | 200\% | 50\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 144 | Colorado County | 7.00\% | 185\% | 125\% | 8 Years | 75 | 20 Years Svc | No | None |
| 623 | Comal Appraisal District | 7.00\% | 200\% | 150\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 145 | Comal County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 775 | Comal County ESD \#3 | 7.00\% | 175\% | 50\% | 10 Years | 80 | 20 Years Svc | No | Employees and Retirees |
| 827 | Comal County ESD \#4 Spring Branch F\&R | 7.00\% | 100\% | 0\% | 8 Years | 75 | 20 Years Svc | No | None |
| 824 | Comal County ESD \#5 | 5.00\% | 200\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 146 | Comanche County | 5.00\% | 200\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 762 | Combined Consumers SUD | 5.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 147 | Concho County | 7.00\% | 200\% | 135\% | 8 Years | 75 | 30 Years Svc | No | None |
| 636 | Concho County Hospital District | 5.00\% | 125\% | 50\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 759 | Concho Valley Council of Governments | 7.00\% | 250\% | 100\% | 10 Years | 80 | 30 Years Svc | No | None |
| 148 | Cooke County | 7.00\% | 205\% | 120\% | 8 Years | 75 | 30 Years Svc | No | None |
| 487 | Cooke County Appraisal District | 7.00\% | 225\% | 160\% | 8 Years | 75 | 30 Years Svc | No | None |

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| Employer Number | Employer Name | Employee Deposit Rate | Employer Matching Rate | Monetary Prior Service Percentage | Vesting | Retirement Eligibility |  | Partial Lump Sum Option | Group Term Life Coverage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Rule of | Any Age |  |  |
| 149 | Coryell County | 7.00\% | 185\% | 135\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 150 | Cottle County | 7.00\% | 100\% | 40\% | 8 Years | 80 | 30 Years Svc | No | None |
| 727 | Cow Creek GCD | 6.00\% | 150\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 151 | Crane County | 7.00\% | 200\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 757 | Crane County Hospital District | 7.00\% | 200\% | 0\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 152 | Crockett County | 7.00\% | 145\% | 160\% | 10 Years | 80 | 30 Years Svc | No | None |
| 409 | Crockett County WCID \#1 | 7.00\% | 125\% | 110\% | 10 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 153 | Crosby County | 7.00\% | 100\% | 115\% | 8 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 532 | Crosby County Appraisal District | 7.00\% | 125\% | 110\% | 10 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 603 | Crosby Municipal Utility District | 7.00\% | 150\% | 120\% | 10 Years | 75 | 30 Years Svc | No | None |
| 710 | Cross Roads Special Utility District | 5.00\% | 100\% | 25\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 154 | Culberson County | 7.00\% | 160\% | 120\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 155 | Dallam County | 7.00\% | 250\% | 130\% | 8 Years | 80 | 30 Years Svc | Yes | None |
| 771 | Dallam County Appraisal District | 7.00\% | 110\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 467 | Dallas Central Appraisal District | 7.00\% | 250\% | 175\% | 10 Years | 80 | 20 Years Svc | No | None |
| 156 | Dallas County | 7.00\% | 200\% | 150\% | 10 Years | 80 | 30 Years Svc | No | None |
| 430 | Dallas County Park Cities MUD | 7.00\% | 175\% | 110\% | 10 Years | 80 | 30 Years Svc | No | None |
| 157 | Dawson County | 7.00\% | 150\% | 110\% | 8 Years | 80 | 30 Years Svc | Yes | Employees and Retirees |
| 463 | Dawson County Central Appraisal District | 7.00\% | 200\% | 150\% | 10 Years | 75 | 30 Years Svc | Yes | None |
| 158 | Deaf Smith County | 7.00\% | 175\% | 140\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 578 | Deaf Smith County Hospital District | 4.00\% | 100\% | 55\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 159 | Delta County | 7.00\% | 125\% | 110\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 855 | Delta County Appraisal District | 7.00\% | 125\% | 0\% | 8 Years | 75 | 30 Years Svc | No | None |
| 734 | Delta County Municipal Utility District | 6.00\% | 100\% | 0\% | 8 Years | 80 | 30 Years Svc | No | None |
| 732 | Delta Lake Irrigation District | 5.00\% | 100\% | 10\% | 10 Years | 80 | 30 Years Svc | Yes | None |
| 583 | Denco Area 9-1-1 District - Denton County | 7.00\% | 200\% | 105\% | 8 Years | 75 | 20 Years Svc | No | None |
| 482 | Denton Central Appraisal District | 7.00\% | 250\% | 175\% | 8 Years | 75 | 20 Years Svc | No | Employees Only |
| 160 | Denton County | 7.00\% | 220\% | 160\% | 8 Years | 75 | 20 Years Svc | No | Employees Only |
| 758 | Denton County Fresh WSD 1A | 7.00\% | 200\% | 0\% | 8 Years | 80 | 20 Years Svc | No | Employees Only |
| 783 | Denton County Transportation Authority | 5.00\% | 150\% | 0\% | 5 Years | 75 | 30 Years Svc | No | None |
| 161 | DeWitt County | 7.00\% | 125\% | 80\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 466 | DeWitt County Appraisal District | 7.00\% | 160\% | 130\% | 10 Years | 80 | 30 Years Svc | No | None |
| 162 | Dickens County | 7.00\% | 150\% | 110\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 764 | Dickens County Appraisal District | 7.00\% | 150\% | 0\% | 8 Years | 75 | 30 Years Svc | No | None |
| 163 | Dimmit County | 7.00\% | 200\% | 65\% | 8 Years | 75 | 30 Years Svc | No | None |
| 164 | Donley County | 7.00\% | 100\% | 110\% | 10 Years | 80 | 30 Years Svc | No | None |
| 165 | Duval County | 5.00\% | 100\% | 95\% | 8 Years | 80 | 30 Years Svc | No | None |
| 880 | Duval County GCD | 4.00\% | 250\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 879 | East Fork Special Utility District | 7.00\% | 200\% | 0\% | 10 Years | 75 | 30 Years Svc | No | None |
| 825 | East Medina County Special Utility District | 5.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 166 | Eastland County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 20 Years Svc | No | Employees and Retirees |
| 593 | Eastland County Appraisal District | 7.00\% | 175\% | 90\% | 10 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 167 | Ector County | 7.00\% | 250\% | 210\% | 8 Years | 75 | 30 Years Svc | No | None |
| 580 | Ector County Hospital District | 5.00\% | 200\% | 0\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 448 | Edwards Aquifer Authority - Bexar County | 4.00\% | 180\% | 140\% | 8 Years | 75 | 20 Years Svc | Yes | None |

## Appendix D - Plan Provisions by Employer

| Employer Number | Employer Name | Employee Deposit Rate | Employer Matching Rate | Monetary Prior Service Percentage | Vesting | Retirement Eligibility |  | Partial Lump <br> Sum Option | Group Term Life Coverage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Rule of | Any Age |  |  |
| 628 | Edwards Central Appraisal District | 7.00\% | 200\% | 100\% | 8 Years | 80 | 30 Years Svc | No | None |
| 168 | Edwards County | 7.00\% | 200\% | 35\% | 8 Years | 75 | 30 Years Svc | No | None |
| 819 | El Paso Central Appraisal District | 7.00\% | 200\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 170 | El Paso County | 7.00\% | 250\% | 175\% | 8 Years | 75 | 20 Years Svc | No | None |
| 567 | El Paso County 9-1-1 District | 7.00\% | 200\% | 150\% | 5 Years | 75 | 20 Years Svc | Yes | Employees Only |
| 541 | El Paso County Hospital District | 5.00\% | 180\% | 140\% | 8 Years | 75 | 30 Years Svc | No | None |
| 169 | Ellis County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 20 Years Svc | No | Employees Only |
| 859 | Emerald Bay Municipal Utility District | 4.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 624 | ECD of Ector County | 7.00\% | 225\% | 160\% | 8 Years | 75 | 30 Years Svc | No | None |
| 171 | Erath County | 7.00\% | 200\% | 140\% | 8 Years | 75 | 20 Years Svc | No | Employees Only |
| 172 | Falls County | 7.00\% | 175\% | 135\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 563 | Falls County Appraisal District | 7.00\% | 100\% | 85\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 173 | Fannin County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 644 | Fannin County Appraisal District | 7.00\% | 200\% | 20\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 174 | Fayette County | 7.00\% | 150\% | 120\% | 8 Years | 75 | 30 Years Svc | No | None |
| 175 | Fisher County | 7.00\% | 125\% | 100\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 432 | Fisher County Hospital District | 4.00\% | 200\% | 155\% | 10 Years | 80 | 30 Years Svc | No | None |
| 176 | Floyd County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 474 | Fort Bend Central Appraisal District | 7.00\% | 225\% | 150\% | 10 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 178 | Fort Bend County | 7.00\% | 200\% | 165\% | 8 Years | 75 | 30 Years Svc | No | None |
| 782 | Fort Bend County WCID \#2 | 6.00\% | 100\% | 0\% | 8 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 769 | Four Way Special Utility District | 5.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 179 | Franklin County | 7.00\% | 200\% | 145\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 180 | Freestone County | 7.00\% | 150\% | 135\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 693 | Freestone County Appraisal District | 7.00\% | 250\% | 10\% | 10 Years | 80 | 30 Years Svc | No | None |
| 181 | Frio County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 509 | Frio County Appraisal District | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 182 | Gaines County | 7.00\% | 160\% | 125\% | 8 Years | 80 | 30 Years Svc | No | None |
| 761 | Gaines County Appraisal District | 7.00\% | 150\% | 0\% | 8 Years | 80 | 30 Years Svc | No | None |
| 546 | Galveston Central Appraisal District | 7.00\% | 250\% | 175\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 183 | Galveston County | 7.00\% | 200\% | 160\% | 8 Years | 75 | 30 Years Svc | No | None |
| 547 | Galveston County Consolidated Drain. Dist. | 7.00\% | 200\% | 120\% | 8 Years | 75 | 20 Years Svc | Yes | Employees and Retirees |
| 464 | Galveston County Drainage District \#1 | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 433 | Galveston County Drainage District \#2 | 7.00\% | 250\% | 135\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 589 | Galveston County ECD | 7.00\% | 250\% | 135\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 821 | Galveston County Fresh WSD \#6 | 5.00\% | 100\% | 20\% | 5 Years | 80 | 30 Years Svc | No | Employees Only |
| 752 | Galveston County Health District | 7.00\% | 100\% | 0\% | 8 Years | 75 | 30 Years Svc | No | None |
| 407 | Galveston County WCID \#1 | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 473 | Garza Central Appraisal District | 7.00\% | 160\% | 130\% | 10 Years | 80 | 30 Years Svc | No | None |
| 184 | Garza County | 7.00\% | 160\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 185 | Gillespie County | 7.00\% | 175\% | 115\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 186 | Glasscock County | 7.00\% | 250\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 187 | Goliad County | 7.00\% | 150\% | 120\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 188 | Gonzales County | 7.00\% | 200\% | 110\% | 8 Years | 75 | 20 Years Svc | No | None |
| 498 | Gonzales County Appraisal District | 7.00\% | 225\% | 135\% | 10 Years | 75 | 30 Years Svc | No | None |

## Appendix D - Plan Provisions by Employer

| Employer Number | Employer Name | Employee Deposit Rate | Employer Matching Rate | Monetary Prior Service Percentage | Vesting | Retirement Eligibility |  | Partial Lump Sum Option | Group Term Life Coverage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Rule of | Any Age |  |  |
| 189 | Gray County | 7.00\% | 160\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 518 | Gray County Appraisal District | 7.00\% | 225\% | 150\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 475 | Grayson Central Appraisal District | 7.00\% | 225\% | 150\% | 8 Years | 75 | 20 Years Svc | No | Employees and Retirees |
| 190 | Grayson County | 4.00\% | 225\% | 160\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 528 | Greater Harris County 9-1-1 Emerg. Network | 7.00\% | 250\% | 115\% | 8 Years | 75 | 20 Years Svc | No | Employees and Retirees |
| 429 | Greenbelt M\&IW Authority - Donley County | 7.00\% | 150\% | 125\% | 10 Years | 80 | 20 Years Svc | No | None |
| 191 | Gregg County | 7.00\% | 200\% | 135\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 192 | Grimes County | 7.00\% | 190\% | 105\% | 8 Years | 75 | 20 Years Svc | No | Employees and Retirees |
| 483 | Grimes County Appraisal District | 7.00\% | 200\% | 150\% | 10 Years | 75 | 30 Years Svc | No | None |
| 587 | Guadalupe Appraisal District | 7.00\% | 200\% | 120\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 193 | Guadalupe County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 526 | Gulf Coast WA - Galveston County | 7.00\% | 150\% | 150\% | 5 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 194 | Hale County | 7.00\% | 200\% | 130\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 195 | Hall County | 7.00\% | 150\% | 125\% | 8 Years | 75 | 30 Years Svc | No | None |
| 787 | Hall County Appraisal District | 5.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 196 | Hamilton County | 6.00\% | 150\% | 110\% | 8 Years | 75 | 20 Years Svc | No | Employees Only |
| 197 | Hansford County | 7.00\% | 170\% | 105\% | 8 Years | 75 | 30 Years Svc | No | None |
| 585 | Hansford County Hospital District | 4.00\% | 175\% | 80\% | 5 Years | 75 | 30 Years Svc | No | None |
| 198 | Hardeman County | 7.00\% | 140\% | 80\% | 8 Years | 75 | 30 Years Svc | No | None |
| 199 | Hardin County | 7.00\% | 200\% | 155\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 527 | Hardin County Appraisal District | 7.00\% | 225\% | 130\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 571 | Harlingen Irrig. District Cameron County \#1 | 5.00\% | 125\% | 25\% | 10 Years | 80 | 30 Years Svc | No | None |
| 200 | Harris County | 6.00\% | 225\% | 160\% | 8 Years | 75 | 30 Years Svc | No | None |
| 598 | Harris County Appraisal District | 7.00\% | 235\% | 110\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 835 | Harris County ESD \#50 | 7.00\% | 200\% | 0\% | 5 Years | 80 | 20 Years Svc | Yes | None |
| 797 | Harris County Housing Authority | 7.00\% | 225\% | 160\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 569 | Harris County WCID \#1 | 7.00\% | 200\% | 35\% | 8 Years | 75 | 30 Years Svc | Yes | Employees Only |
| 877 | Harris County WCID \#36 | 7.00\% | 150\% | 15\% | 8 Years | 75 | 30 Years Svc | No | None |
| 625 | Harris County WCID \#50 | 5.00\% | 125\% | 15\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 201 | Harrison County | 7.00\% | 180\% | 135\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 202 | Hartley County | 7.00\% | 200\% | 135\% | 8 Years | 75 | 30 Years Svc | Yes | Employees Only |
| 520 | Hartley County Appraisal District | 7.00\% | 180\% | 150\% | 10 Years | 80 | 30 Years Svc | No | None |
| 203 | Haskell County | 7.00\% | 125\% | 110\% | 8 Years | 75 | 30 Years Svc | No | None |
| 552 | Haskell Memorial Hospital District | 5.00\% | 150\% | 25\% | 10 Years | 80 | 30 Years Svc | No | None |
| 204 | Hays County | 7.00\% | 225\% | 175\% | 8 Years | 75 | 30 Years Svc | No | None |
| 878 | Hays County ESD \#5 | 4.00\% | 100\% | 0\% | 10 Years | 80 | 20 Years Svc | No | None |
| 799 | Hays County ESD \#6 | 6.00\% | 200\% | 0\% | 10 Years | 80 | 20 Years Svc | Yes | None |
| 205 | Hemphill County | 7.00\% | 175\% | 135\% | 8 Years | 80 | 30 Years Svc | Yes | Employees Only |
| 640 | Hemphill County Appraisal District | 7.00\% | 200\% | 100\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 529 | Hemphill County Hospital District | 7.00\% | 230\% | 130\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 839 | Hemphill County Underground WCD | 4.00\% | 125\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 206 | Henderson County | 7.00\% | 225\% | 155\% | 8 Years | 75 | 20 Years Svc | No | Employees Only |
| 746 | Henderson County 9-1-1 Comm. District | 7.00\% | 200\% | 0\% | 8 Years | 75 | 30 Years Svc | No | None |
| 704 | Henderson County Appraisal District | 7.00\% | 180\% | 25\% | 10 Years | 80 | 20 Years Svc | No | None |
| 414 | Hidalgo and Cameron Counties Irrig. Dist. \#9 | 7.00\% | 100\% | 50\% | 10 Years | 80 | 30 Years Svc | No | None |

## Appendix D - Plan Provisions by Employer

| Employer Number | Employer Name | Employee Deposit Rate | Employer Matching Rate | Monetary Prior Service Percentage | Vesting | Retirement Eligibility |  | Partial Lump Sum Option | Group Term Life Coverage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Rule of | Any Age |  |  |
| 207 | Hidalgo County | 7.00\% | 200\% | 160\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 516 | Hidalgo County Appraisal District | 7.00\% | 200\% | 150\% | 10 Years | 75 | 20 Years Svc | Yes | None |
| 401 | Hidalgo County Drainage District \#1 | 7.00\% | 225\% | 110\% | 10 Years | 80 | 20 Years Svc | Yes | None |
| 713 | Hidalgo County Irrigation District \#1 | 5.00\% | 100\% | 10\% | 10 Years | 80 | 30 Years Svc | Yes | None |
| 438 | Hidalgo County Irrigation District \#2 | 7.00\% | 125\% | 110\% | 10 Years | 80 | 30 Years Svc | No | None |
| 486 | Hidalgo County Irrigation District \#6 | 7.00\% | 150\% | 40\% | 10 Years | 80 | 30 Years Svc | Yes | None |
| 674 | High Plains Underground WCD \# 1 | 7.00\% | 125\% | 0\% | 8 Years | 80 | 30 Years Svc | Yes | None |
| 208 | Hill County | 6.00\% | 150\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 209 | Hockley County | 7.00\% | 180\% | 135\% | 8 Years | 80 | 30 Years Svc | No | Employees Only |
| 728 | Hockley County Appraisal District | 7.00\% | 150\% | 40\% | 10 Years | 80 | 30 Years Svc | No | None |
| 210 | Hood County | 6.00\% | 185\% | 125\% | 5 Years | 75 | 20 Years Svc | No | Employees Only |
| 211 | Hopkins County | 7.00\% | 225\% | 160\% | 8 Years | 75 | 30 Years Svc | No | None |
| 661 | Hopkins County Appraisal District | 7.00\% | 150\% | 0\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 212 | Houston County | 7.00\% | 140\% | 115\% | 8 Years | 75 | 30 Years Svc | No | None |
| 694 | Houston County Appraisal District | 7.00\% | 150\% | 20\% | 10 Years | 80 | 30 Years Svc | No | None |
| 213 | Howard County | 7.00\% | 200\% | 135\% | 8 Years | 75 | 20 Years Svc | Yes | Employees and Retirees |
| 214 | Hudspeth County | 5.00\% | 175\% | 135\% | 10 Years | 75 | 30 Years Svc | No | None |
| 215 | Hunt County | 7.00\% | 200\% | 155\% | 8 Years | 75 | 30 Years Svc | No | None |
| 749 | Hunt County Appraisal District | 7.00\% | 200\% | 0\% | 10 Years | 75 | 30 Years Svc | No | None |
| 216 | Hutchinson County | 7.00\% | 190\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 778 | Hutchinson County Appraisal District | 7.00\% | 100\% | 0\% | 8 Years | 75 | 30 Years Svc | No | None |
| 711 | Iraan General Hospital District | 7.00\% | 175\% | 0\% | 10 Years | 75 | 30 Years Svc | No | None |
| 217 | Irion County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | No | None |
| 779 | Irion County Appraisal District | 4.00\% | 200\% | 0\% | 8 Years | 75 | 30 Years Svc | No | None |
| 218 | Jack County | 7.00\% | 160\% | 100\% | 8 Years | 75 | 30 Years Svc | No | None |
| 592 | Jack County Appraisal District | 7.00\% | 100\% | 100\% | 10 Years | 80 | 30 Years Svc | No | None |
| 219 | Jackson County | 7.00\% | 150\% | 125\% | 8 Years | 75 | 30 Years Svc | No | None |
| 770 | Jackson County Appraisal District | 6.00\% | 100\% | 0\% | 10 Years | 75 | 30 Years Svc | No | None |
| 441 | Jackson County County-Wide Drain. Dist. | 7.00\% | 250\% | 135\% | 10 Years | 80 | 30 Years Svc | No | None |
| 220 | Jasper County | 7.00\% | 225\% | 160\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 657 | Jasper County WCID \#1 | 7.00\% | 200\% | 10\% | 10 Years | 80 | 30 Years Svc | No | None |
| 221 | Jeff Davis County | 7.00\% | 150\% | 115\% | 10 Years | 75 | 30 Years Svc | No | None |
| 222 | Jefferson County | 7.00\% | 200\% | 135\% | 8 Years | 75 | 30 Years Svc | No | None |
| 404 | Jefferson County Drainage District \#3 | 7.00\% | 200\% | 60\% | 10 Years | 80 | 30 Years Svc | Yes | None |
| 408 | Jefferson County Drainage District \#6 | 7.00\% | 225\% | 160\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 405 | Jefferson County Drainage District \#7 | 7.00\% | 150\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 451 | Jefferson County WCID \#10 | 7.00\% | 150\% | 135\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 223 | Jim Hogg County | 5.00\% | 125\% | 105\% | 8 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 680 | Jim Hogg County Appraisal District | 7.00\% | 150\% | 10\% | 10 Years | 80 | 30 Years Svc | No | None |
| 656 | Jim Hogg County ESD \#1 | 4.00\% | 100\% | 0\% | 8 Years | 75 | 30 Years Svc | No | None |
| 641 | Jim Hogg County WCID \#2 | 6.00\% | 125\% | 20\% | 10 Years | 80 | 30 Years Svc | No | None |
| 224 | Jim Wells County | 6.00\% | 250\% | 150\% | 8 Years | 75 | 20 Years Svc | Yes | Employees and Retirees |
| 225 | Johnson County | 7.00\% | 200\% | 155\% | 8 Years | 75 | 20 Years Svc | No | None |
| 741 | Jonah Water Special Utility District | 4.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | Yes | Employees Only |
| 226 | Jones County | 7.00\% | 225\% | 135\% | 8 Years | 75 | 30 Years Svc | No | None |

## Appendix D - Plan Provisions by Employer

| Employer Number | Employer Name | Employee Deposit Rate | Employer Matching Rate | Monetary Prior Service Percentage | Vesting | Retirement Eligibility |  | Partial Lump Sum Option | Group Term Life Coverage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Rule of | Any Age |  |  |
| 496 | Jones County Appraisal District | 7.00\% | 130\% | 145\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 227 | Karnes County | 7.00\% | 200\% | 125\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 524 | Karnes County Appraisal District | 6.00\% | 160\% | 110\% | 10 Years | 80 | 30 Years Svc | No | None |
| 455 | Karnes County Hospital District | 6.00\% | 200\% | 150\% | 10 Years | 80 | 30 Years Svc | No | None |
| 228 | Kaufman County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 662 | Kaufman County Appraisal District | 7.00\% | 200\% | 40\% | 10 Years | 75 | 30 Years Svc | No | None |
| 671 | Kendall Appraisal District | 7.00\% | 210\% | 10\% | 5 Years | 75 | 30 Years Svc | Yes | None |
| 229 | Kendall County | 7.00\% | 150\% | 125\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 619 | Kendall County WCID \#1 | 7.00\% | 150\% | 85\% | 10 Years | 80 | 30 Years Svc | No | None |
| 230 | Kenedy County | 7.00\% | 250\% | 15\% | 8 Years | 75 | 20 Years Svc | No | Employees and Retirees |
| 854 | Kenedy County Central Appraisal District | 7.00\% | 100\% | 0\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 231 | Kent County | 7.00\% | 200\% | 110\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 594 | Kent County Tax Appraisal District | 7.00\% | 200\% | 135\% | 10 Years | 80 | 30 Years Svc | No | None |
| 232 | Kerr County | 7.00\% | 230\% | 145\% | 8 Years | 75 | 30 Years Svc | Yes | Employees Only |
| 653 | Kerr Emergency 9-1-1 Network | 7.00\% | 155\% | 100\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 233 | Kimble County | 7.00\% | 175\% | 105\% | 8 Years | 75 | 20 Years Svc | Yes | Employees Only |
| 234 | King County | 7.00\% | 225\% | 130\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 755 | King County Appraisal District | 7.00\% | 200\% | 100\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 235 | Kinney County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 20 Years Svc | No | None |
| 579 | Kinney County Appraisal District | 7.00\% | 100\% | 100\% | 10 Years | 75 | 30 Years Svc | No | None |
| 236 | Kleberg County | 7.00\% | 100\% | 180\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 237 | Knox County | 7.00\% | 150\% | 50\% | 8 Years | 75 | 30 Years Svc | No | None |
| 241 | La Salle County | 7.00\% | 250\% | 165\% | 8 Years | 75 | 20 Years Svc | Yes | Employees and Retirees |
| 540 | Laguna Madre WD - Cameron County | 7.00\% | 200\% | 40\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 867 | Lake Cities Municipal Utility Authority | 7.00\% | 200\% | 0\% | 5 Years | 80 | 30 Years Svc | Yes | None |
| 874 | Lake Kiowa Special Utility District | 5.00\% | 150\% | 125\% | 8 Years | 80 | 30 Years Svc | No | None |
| 514 | Lakeway MUD - Travis County | 7.00\% | 175\% | 115\% | 8 Years | 80 | 30 Years Svc | Yes | Employees Only |
| 238 | Lamar County | 7.00\% | 220\% | 160\% | 8 Years | 75 | 30 Years Svc | No | None |
| 808 | Lamar County Appraisal District | 7.00\% | 165\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 239 | Lamb County | 7.00\% | 200\% | 140\% | 8 Years | 75 | 30 Years Svc | No | None |
| 650 | Lampasas Central Appraisal District | 7.00\% | 200\% | 10\% | 10 Years | 80 | 30 Years Svc | Yes | Employees and Retirees |
| 240 | Lampasas County | 7.00\% | 225\% | 150\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 731 | LaSalle County Appraisal District | 7.00\% | 200\% | 0\% | 10 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 439 | Lavaca - Navidad River Auth.- Jackson County | 7.00\% | 200\% | 165\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 242 | Lavaca County | 7.00\% | 200\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 243 | Lee County | 5.00\% | 170\% | 135\% | 8 Years | 75 | 30 Years Svc | No | None |
| 244 | Leon County | 7.00\% | 110\% | 105\% | 8 Years | 75 | 20 Years Svc | Yes | Employees and Retirees |
| 468 | Leon County Central Appraisal District | 7.00\% | 100\% | 100\% | 10 Years | 80 | 30 Years Svc | Yes | None |
| 245 | Liberty County | 7.00\% | 250\% | 175\% | 8 Years | 75 | 20 Years Svc | Yes | Employees and Retirees |
| 481 | Liberty County Central Appraisal District | 7.00\% | 250\% | 160\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 246 | Limestone County | 7.00\% | 150\% | 125\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 695 | Limestone County Appraisal District | 7.00\% | 200\% | 5\% | 10 Years | 75 | 30 Years Svc | Yes | None |
| 247 | Lipscomb County | 7.00\% | 175\% | 115\% | 8 Years | 75 | 30 Years Svc | Yes | Employees Only |
| 248 | Live Oak County | 7.00\% | 250\% | 135\% | 8 Years | 75 | 20 Years Svc | Yes | Employees and Retirees |
| 591 | Live Oak County Appraisal District | 7.00\% | 200\% | 125\% | 10 Years | 80 | 20 Years Svc | No | None |

## Appendix D - Plan Provisions by Employer

| Employer Number | EmployerName | Employee Deposit Rate | Employer Matching Rate | Monetary Prior Service Percentage | Vesting | Retirement Eligibility |  | Partial LumpSum Option | Group Term Life Coverage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Rule of | Any Age |  |  |
| 249 | Llano County | 7.00\% | 160\% | 85\% | 8 Years | 75 | 20 Years Svc | No | Employees Only |
| 250 | Loving County | 7.00\% | 250\% | 125\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 513 | Loving County Appraisal District | 7.00\% | 250\% | 110\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 756 | Lower Trinity GCD | 7.00\% | 250\% | 0\% | 8 Years | 80 | 30 Years Svc | No | Employees Only |
| 714 | Lower Valley Water District | 6.00\% | 250\% | 0\% | 10 Years | 75 | 30 Years Svc | No | None |
| 499 | Lubbock Central Appraisal District | 7.00\% | 200\% | 150\% | 10 Years | 75 | 20 Years Svc | Yes | None |
| 251 | Lubbock County | 7.00\% | 200\% | 165\% | 8 Years | 75 | 20 Years Svc | No | None |
| 425 | Lubbock County WCID \#1 | 7.00\% | 200\% | 125\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 558 | Lubbock ECD | 7.00\% | 200\% | 150\% | 10 Years | 75 | 30 Years Svc | No | Employees Only |
| 647 | Lubbock Reese Redevelopment Authority | 5.00\% | 100\% | 0\% | 5 Years | 75 | 30 Years Svc | No | None |
| 639 | Lumberton Municipal Utility District | 6.00\% | 200\% | 0\% | 8 Years | 80 | 30 Years Svc | No | Employees Only |
| 252 | Lynn County | 5.00\% | 125\% | 100\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 497 | Lynn County Appraisal District | 5.00\% | 125\% | 110\% | 8 Years | 80 | 30 Years Svc | No | Employees Only |
| 442 | Lynn County Hospital District | 6.00\% | 175\% | 200\% | 8 Years | 75 | 30 Years Svc | No | None |
| 630 | Macedonia - Eylau MUD - Bowie County | 7.00\% | 200\% | 65\% | 10 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 500 | Mackenzie MWA - Briscoe County | 7.00\% | 100\% | 150\% | 10 Years | 75 | 20 Years Svc | No | None |
| 256 | Madison County | 7.00\% | 155\% | 110\% | 8 Years | 75 | 30 Years Svc | No | None |
| 596 | Madison County Appraisal District | 7.00\% | 200\% | 40\% | 10 Years | 80 | 30 Years Svc | Yes | Employees Only |
| 257 | Marion County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 675 | Marion County Appraisal District | 7.00\% | 100\% | 10\% | 8 Years | 75 | 30 Years Svc | No | None |
| 658 | Marshall-Harrison County Health District | 7.00\% | 150\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 258 | Martin County | 7.00\% | 200\% | 150\% | 8 Years | 80 | 30 Years Svc | No | None |
| 595 | Martin County Appraisal District | 7.00\% | 200\% | 30\% | 10 Years | 80 | 30 Years Svc | No | None |
| 259 | Mason County | 7.00\% | 150\% | 55\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 260 | Matagorda County | 7.00\% | 200\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 678 | Matagorda County Drainage District | 7.00\% | 200\% | 0\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 440 | Matagorda County Hospital District | 6.00\% | 160\% | 130\% | 5 Years | 75 | 30 Years Svc | No | None |
| 677 | Matagorda County Navigation District \#1 | 7.00\% | 200\% | 0\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 261 | Maverick County | 6.00\% | 250\% | 160\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 729 | Maverick County Hospital District | 6.00\% | 200\% | 50\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 453 | Maverick County WCID \#1 | 5.00\% | 100\% | 100\% | 10 Years | 80 | 30 Years Svc | No | None |
| 844 | McCamey County Hospital District | 7.00\% | 100\% | 0\% | 8 Years | 80 | 30 Years Svc | No | None |
| 253 | McCulloch County | 7.00\% | 160\% | 100\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 512 | McCulloch County Appraisal District | 7.00\% | 200\% | 150\% | 10 Years | 80 | 20 Years Svc | No | None |
| 254 | McLennan County | 5.00\% | 250\% | 60\% | 8 Years | 75 | 30 Years Svc | No | None |
| 725 | McLennan County 9-1-1 EAD | 7.00\% | 250\% | 0\% | 8 Years | 75 | 30 Years Svc | Yes | Employees Only |
| 491 | McLennan County Appraisal District | 7.00\% | 175\% | 150\% | 10 Years | 75 | 30 Years Svc | Yes | None |
| 679 | McLennan County WCID \#2 | 4.00\% | 100\% | 10\% | 10 Years | 80 | 30 Years Svc | No | None |
| 255 | McMullen County | 7.00\% | 110\% | 75\% | 8 Years | 80 | 30 Years Svc | Yes | None |
| 841 | Medical Arts Hospital - Dawson County | 4.00\% | 100\% | 0\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 262 | Medina County | 6.00\% | 200\% | 110\% | 8 Years | 75 | 30 Years Svc | No | None |
| 705 | Medina County 911 District | 6.00\% | 150\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 535 | Medina County Appraisal District | 6.00\% | 150\% | 125\% | 10 Years | 80 | 30 Years Svc | No | None |
| 419 | Memorial Medical Center - Calhoun County | 7.00\% | 175\% | 110\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 263 | Menard County | 7.00\% | 165\% | 115\% | 10 Years | 75 | 30 Years Svc | Yes | None |

## Appendix D - Plan Provisions by Employer

| Employer Number | Employer Name | Employee Deposit Rate | Employer Matching Rate | Monetary Prior Service Percentage | Vesting | Retirement Eligibility |  | Partial LumpSum Option | Group Term Life Coverage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Rule of | Any Age |  |  |
| 743 | Mesa Underground WCD | 7.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 669 | Middle Rio Grande Development Council | 7.00\% | 250\% | 70\% | 8 Years | 75 | 20 Years Svc | Yes | Employees Only |
| 492 | Midland Central Appraisal District | 7.00\% | 200\% | 150\% | 10 Years | 80 | 30 Years Svc | No | None |
| 264 | Midland County | 7.00\% | 180\% | 155\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 570 | Midland Emergency Communication District | 7.00\% | 200\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 265 | Milam County | 7.00\% | 175\% | 135\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 617 | Mills Central Appraisal District | 4.00\% | 200\% | 110\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 266 | Mills County | 7.00\% | 200\% | 95\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 267 | Mitchell County | 7.00\% | 140\% | 120\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 484 | Mitchell County Appraisal District | 7.00\% | 150\% | 135\% | 10 Years | 80 | 30 Years Svc | No | None |
| 268 | Montague County | 7.00\% | 250\% | 125\% | 5 Years | 75 | 30 Years Svc | No | None |
| 504 | Montague County Tax Appraisal District | 7.00\% | 200\% | 150\% | 10 Years | 80 | 30 Years Svc | Yes | None |
| 605 | Montgomery Central Appraisal District | 7.00\% | 225\% | 160\% | 8 Years | 75 | 30 Years Svc | No | None |
| 269 | Montgomery County | 6.00\% | 250\% | 185\% | 8 Years | 75 | 30 Years Svc | No | None |
| 667 | Montgomery County ECD | 7.00\% | 200\% | 125\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 696 | Montgomery County ESD No 3 | 7.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 651 | Montgomery County ESD \#1 | 7.00\% | 250\% | 110\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 800 | Montgomery County ESD \#8 | 7.00\% | 200\% | 0\% | 8 Years | 75 | 30 Years Svc | No | None |
| 763 | Montgomery County Hospital District | 7.00\% | 150\% | 0\% | 10 Years | 75 | 30 Years Svc | No | None |
| 804 | Montgomery County Housing Authority | 7.00\% | 150\% | 175\% | 5 Years | 80 | 30 Years Svc | No | Employees Only |
| 270 | Moore County | 7.00\% | 170\% | 135\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 733 | Moore County Appraisal District | 7.00\% | 125\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 412 | Moore County Hospital District | 7.00\% | 170\% | 115\% | 5 Years | 75 | 30 Years Svc | No | Employees Only |
| 271 | Morris County | 7.00\% | 150\% | 140\% | 10 Years | 80 | 30 Years Svc | No | None |
| 738 | Mustang Special Utility District | 5.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 273 | Nacogdoches County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 515 | Navarro Central Appraisal District | 7.00\% | 175\% | 145\% | 10 Years | 80 | 20 Years Svc | No | Employees Only |
| 274 | Navarro County | 7.00\% | 175\% | 145\% | 8 Years | 75 | 30 Years Svc | No | None |
| 572 | Newton Central Appraisal District | 7.00\% | 225\% | 135\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 275 | Newton County | 7.00\% | 170\% | 125\% | 8 Years | 75 | 30 Years Svc | No | None |
| 276 | Nolan County | 7.00\% | 170\% | 130\% | 10 Years | 75 | 30 Years Svc | No | None |
| 556 | North Central Texas MWA | 7.00\% | 100\% | 90\% | 10 Years | 80 | 30 Years Svc | Yes | Employees and Retirees |
| 852 | North Hunt Special Utility District | 4.00\% | 100\% | 0\% | 5 Years | 75 | 20 Years Svc | No | None |
| 838 | North Plains GCD | 7.00\% | 120\% | 0\% | 8 Years | 80 | 30 Years Svc | No | None |
| 646 | North Texas Tollway Authority | 6.00\% | 250\% | 0\% | 10 Years | 75 | 30 Years Svc | No | None |
| 562 | Northeast Texas Municipal Water District | 7.00\% | 120\% | 50\% | 10 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 632 | Northeast Texas Public Health District | 5.00\% | 200\% | 0\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 277 | Nueces County | 7.00\% | 200\% | 160\% | 8 Years | 80 | 30 Years Svc | No | None |
| 683 | Nueces County Appraisal District | 7.00\% | 225\% | 0\% | 5 Years | 75 | 20 Years Svc | No | None |
| 400 | Nueces County Drainage District \#2 | 5.00\% | 200\% | 110\% | 10 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 791 | Nueces County ESD \#2 | 7.00\% | 200\% | 0\% | 5 Years | 75 | 30 Years Svc | No | None |
| 416 | Nueces County WCID \#3 | 7.00\% | 120\% | 60\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 450 | Nueces County WCID \#4 | 7.00\% | 225\% | 125\% | 10 Years | 80 | 30 Years Svc | Yes | Employees Only |
| 278 | Ochiltree County | 7.00\% | 175\% | 125\% | 8 Years | 75 | 30 Years Svc | No | None |
| 279 | Oldham County | 7.00\% | 200\% | 135\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |

## Appendix D - Plan Provisions by Employer

| Employer Number | Employer Name | Employee Deposit Rate | Employer Matching Rate | Monetary Prior Service Percentage | Vesting | Retirement Eligibility |  | Partial Lump Sum Option | Group Term Life Coverage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Rule of | Any Age |  |  |
| 517 | Oldham County Appraisal District | 5.00\% | 175\% | 150\% | 10 Years | 80 | 30 Years Svc | Yes | Employees Only |
| 280 | Orange County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 20 Years Svc | No | None |
| 490 | Orange County Appraisal District | 7.00\% | 200\% | 150\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 421 | Orange County Drainage District | 7.00\% | 200\% | 155\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 665 | Orange County ESD \# 1 | 5.00\% | 100\% | 10\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 803 | Orange County ESD \#2 | 4.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 660 | Orange County Navigation and Port District | 7.00\% | 100\% | 35\% | 10 Years | 80 | 30 Years Svc | No | None |
| 631 | Orange County WCID \#1 | 7.00\% | 110\% | 15\% | 8 Years | 75 | 30 Years Svc | No | None |
| 730 | Palo Duro River Authority | 7.00\% | 150\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 723 | Palo Pinto Appraisal District | 7.00\% | 125\% | 0\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 281 | Palo Pinto County | 7.00\% | 200\% | 135\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 282 | Panola County | 7.00\% | 250\% | 175\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 283 | Parker County | 7.00\% | 200\% | 160\% | 8 Years | 75 | 20 Years Svc | No | Employees and Retirees |
| 717 | Parker County Appraisal District | 6.00\% | 200\% | 100\% | 10 Years | 80 | 30 Years Svc | No | None |
| 784 | Parker County Hospital District | 6.00\% | 100\% | 50\% | 10 Years | 80 | 20 Years Svc | No | None |
| 754 | Parker County Special Utility District | 5.00\% | 100\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 284 | Parmer County | 7.00\% | 150\% | 90\% | 8 Years | 80 | 30 Years Svc | No | Employees Only |
| 747 | Parmer County Appraisal District | 7.00\% | 100\% | 0\% | 8 Years | 80 | 30 Years Svc | No | Employees Only |
| 765 | Pecan Valley GCD | 7.00\% | 125\% | 20\% | 10 Years | 80 | 30 Years Svc | No | None |
| 285 | Pecos County | 7.00\% | 180\% | 140\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 494 | Pecos County Appraisal District | 7.00\% | 190\% | 145\% | 10 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 774 | Pecos County WCID \#1 | 7.00\% | 110\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 796 | Permian Basin Regional Planning Comm. | 6.00\% | 125\% | 0\% | 10 Years | 75 | 30 Years Svc | Yes | None |
| 673 | Permian Regional Medical Center | 7.00\% | 200\% | 0\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 707 | Pineywoods GCD | 7.00\% | 200\% | 100\% | 10 Years | 80 | 20 Years Svc | No | Employees Only |
| 697 | Polk Central Appraisal District | 7.00\% | 250\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 286 | Polk County | 7.00\% | 250\% | 160\% | 8 Years | 75 | 30 Years Svc | No | None |
| 739 | Polk County Fresh Water Supply District \#2 | 7.00\% | 150\% | 25\% | 10 Years | 80 | 30 Years Svc | No | None |
| 676 | Port of Bay City Authority | 7.00\% | 200\% | 0\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 449 | Port of Beaumont Navigation District | 7.00\% | 200\% | 110\% | 8 Years | 75 | 30 Years Svc | Yes | Employees Only |
| 620 | Port of Corpus Christi Authority | 7.00\% | 100\% | 100\% | 10 Years | 80 | 30 Years Svc | No | None |
| 622 | Port of Port Arthur Navigation District | 7.00\% | 100\% | 35\% | 8 Years | 75 | 30 Years Svc | Yes | Employees Only |
| 726 | Post Oak Savannah GCD | 7.00\% | 100\% | 20\% | 10 Years | 80 | 30 Years Svc | No | None |
| 560 | Potter - Randall County ECD | 7.00\% | 250\% | 100\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 287 | Potter County | 7.00\% | 210\% | 155\% | 8 Years | 75 | 20 Years Svc | No | Employees Only |
| 626 | Presidio Appraisal District | 7.00\% | 100\% | 100\% | 10 Years | 80 | 30 Years Svc | No | None |
| 288 | Presidio County | 6.00\% | 200\% | 135\% | 8 Years | 75 | 30 Years Svc | Yes | Employees Only |
| 289 | Rains County | 7.00\% | 190\% | 100\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 537 | Rains County Appraisal District | 7.00\% | 225\% | 135\% | 8 Years | 75 | 30 Years Svc | No | None |
| 290 | Randall County | 7.00\% | 200\% | 150\% | 8 Years | 75 | 20 Years Svc | No | Employees Only |
| 564 | Randall County Appraisal District | 7.00\% | 100\% | 150\% | 8 Years | 75 | 30 Years Svc | No | None |
| 406 | Rankin County Hospital Dist. - Upton County | 7.00\% | 175\% | 135\% | 8 Years | 75 | 30 Years Svc | No | None |
| 291 | Reagan County | 7.00\% | 225\% | 130\% | 8 Years | 75 | 30 Years Svc | No | None |
| 445 | Reagan Hospital District | 7.00\% | 150\% | 125\% | 8 Years | 75 | 30 Years Svc | No | None |
| 292 | Real County | 7.00\% | 250\% | 175\% | 8 Years | 75 | 30 Years Svc | No | None |

## Appendix D - Plan Provisions by Employer

| Employer Number | Employer Name | Employee Deposit Rate | Employer Matching Rate | Monetary Prior Service Percentage | Vesting | Retirement Eligibility |  | Partial Lump Sum Option | Group Term Life Coverage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Rule of | Any Age |  |  |
| 505 | Red Bluff WPCD - Reeves County | 7.00\% | 125\% | 15\% | 8 Years | 80 | 30 Years Svc | No | None |
| 845 | Red River Appraisal District | 7.00\% | 160\% | 0\% | 5 Years | 75 | 30 Years Svc | No | Employees Only |
| 435 | Red River Authority | 7.00\% | 180\% | 140\% | 10 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 293 | Red River County | 7.00\% | 200\% | 115\% | 5 Years | 75 | 30 Years Svc | No | Employees Only |
| 294 | Reeves County | 7.00\% | 200\% | 130\% | 8 Years | 80 | 30 Years Svc | No | None |
| 786 | Reeves County Appraisal District | 7.00\% | 225\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 588 | Reeves County Hospital District | 7.00\% | 150\% | 100\% | 8 Years | 80 | 30 Years Svc | Yes | None |
| 295 | Refugio County | 7.00\% | 125\% | 110\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 543 | Refugio County Drainage District \#1 | 7.00\% | 100\% | 45\% | 10 Years | 80 | 30 Years Svc | No | None |
| 736 | Refugio Groundwater Conservation District | 7.00\% | 125\% | 0\% | 10 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 801 | Rio Grande Council of Governments | 6.00\% | 250\% | 5\% | 10 Years | 80 | 30 Years Svc | No | None |
| 296 | Roberts County | 7.00\% | 140\% | 120\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 297 | Robertson County | 7.00\% | 150\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 698 | Rockwall Central Appraisal District | 7.00\% | 200\% | 80\% | 10 Years | 80 | 30 Years Svc | No | None |
| 298 | Rockwall County | 7.00\% | 200\% | 165\% | 8 Years | 75 | 30 Years Svc | No | None |
| 299 | Runnels County | 7.00\% | 130\% | 105\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 300 | Rusk County | 7.00\% | 150\% | 125\% | 8 Years | 75 | 30 Years Svc | No | None |
| 612 | Rusk County Appraisal District | 7.00\% | 150\% | 25\% | 8 Years | 80 | 20 Years Svc | Yes | None |
| 848 | Rusk County GCD | 7.00\% | 100\% | 0\% | 5 Years | 80 | 30 Years Svc | No | None |
| 301 | Sabine County | 7.00\% | 165\% | 120\% | 8 Years | 75 | 30 Years Svc | No | None |
| 863 | Sabine County Appraisal District | 7.00\% | 100\% | 0\% | 8 Years | 75 | 30 Years Svc | No | None |
| 568 | Sabine Pass Port Authority | 7.00\% | 100\% | 50\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 706 | Sabine-Neches Nav. Dist. of Jefferson County | 7.00\% | 200\% | 0\% | 8 Years | 75 | 30 Years Svc | No | None |
| 302 | San Augustine County | 5.00\% | 225\% | 175\% | 8 Years | 75 | 30 Years Svc | No | None |
| 303 | San Jacinto County | 7.00\% | 180\% | 130\% | 5 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 553 | San Jacinto County Central Appraisal District | 7.00\% | 200\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 304 | San Patricio County | 7.00\% | 200\% | 140\% | 10 Years | 80 | 30 Years Svc | No | None |
| 495 | San Patricio County Appraisal District | 7.00\% | 175\% | 150\% | 10 Years | 75 | 30 Years Svc | No | Employees Only |
| 426 | San Patricio County Drainage District | 4.00\% | 100\% | 225\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 750 | San Patricio County Navigation District \#1 | 7.00\% | 200\% | 5\% | 10 Years | 80 | 30 Years Svc | No | None |
| 422 | San Patricio Municipal Water District | 7.00\% | 125\% | 105\% | 8 Years | 80 | 30 Years Svc | No | Employees Only |
| 305 | San Saba County | 7.00\% | 175\% | 135\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 766 | Santo Special Utility District | 7.00\% | 250\% | 100\% | 10 Years | 80 | 30 Years Svc | No | None |
| 306 | Schleicher County | 7.00\% | 100\% | 125\% | 8 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 307 | Scurry County | 7.00\% | 175\% | 135\% | 5 Years | 80 | 30 Years Svc | No | None |
| 760 | Scurry County Hospital District | 7.00\% | 175\% | 100\% | 5 Years | 80 | 30 Years Svc | No | None |
| 308 | Shackelford County | 7.00\% | 250\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 470 | Shackelford County Appraisal District | 7.00\% | 100\% | 150\% | 10 Years | 80 | 30 Years Svc | No | None |
| 309 | Shelby County | 7.00\% | 170\% | 105\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 627 | Shelby County Appraisal District | 6.00\% | 100\% | 30\% | 10 Years | 75 | 30 Years Svc | No | None |
| 310 | Sherman County | 7.00\% | 225\% | 160\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 469 | Sherman County Appraisal District | 7.00\% | 105\% | 150\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 311 | Smith County | 7.00\% | 125\% | 110\% | 8 Years | 75 | 20 Years Svc | No | Employees and Retirees |
| 555 | Smith County 9-1-1 Communications District | 7.00\% | 200\% | 135\% | 8 Years | 75 | 20 Years Svc | No | Employees and Retirees |
| 606 | Smith County Appraisal District | 7.00\% | 250\% | 120\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |

## Appendix D - Plan Provisions by Employer

| Employer Number | Employer Name |
| :---: | :---: |
| 312 | Somervell County |
| 507 | Somervell County Central Appraisal District |
| 699 | Somervell County Water District |
| 795 | South Plains Association of Governments |
| 645 | South Texas Development Council |
| 768 | Southeast Texas GCD |
| 313 | Starr County |
| 536 | Starr County Appraisal District |
| 314 | Stephens County |
| 869 | Stephens County Tax Appraisal District |
| 315 | Sterling County |
| 837 | Sterling County Appraisal District |
| 316 | Stonewall County |
| 724 | Stonewall County Appraisal District |
| 458 | Stonewall Memorial Hospital District |
| 539 | Stratford Hospital District - Sherman County |
| 317 | Sutton County |
| 573 | Sutton County Hospital District |
| 318 | Swisher County |
| 460 | Swisher County Appraisal District |
| 607 | Tarrant Appraisal District |
| 545 | Tarrant Co 9-1-1 EAD |
| 319 | Tarrant County |
| 574 | Tax Appraisal District of Cottle County |
| 320 | Taylor County |
| 321 | Terrell County |
| 753 | Terrell County WCID \#1 |
| 322 | Terry County |
| 402 | Terry Memorial Hospital District |
| 437 | Texas Association of Counties |
| 354 | Texas County \& District Retirement System |
| 634 | Texas Eastern 9-1-1 Network |
| 772 | The Housing Authority of the City of Abilene |
| 777 | The Housing Auth. of the City of Huntington |
| 323 | Throckmorton County |
| 324 | Titus County |
| 742 | Titus County Appraisal District |
| 501 | Titus County Fresh Water Supply District |
| 325 | Tom Green County |
| 601 | Travis Central Appraisal District |
| 326 | Travis County |
| 720 | Travis County ESD \#1 NLT Fire \& Rescue |
| 831 | Travis County ESD \#4 |
| 666 | Travis County WCID - Point Venture |
| 659 | Tri-County Special Utility District |

Employee $\begin{array}{ccc}\text { Employee } & \begin{array}{c}\text { Employer } \\ \text { Matching Rate }\end{array} & \begin{array}{c}\text { Monetary Prior } \\ \text { Service Percentage }\end{array} \\ & \end{array}$ Deposit Rate Matching Rate Service Percentage Vesting

|  |  |
| :--- | :--- |
| $7.00 \%$ | $235 \%$ |
| $7.00 \%$ | $200 \%$ |
| $7.00 \%$ | $235 \%$ |
| $6.00 \%$ | $200 \%$ |
| $7.00 \%$ | $150 \%$ |
| $7.00 \%$ | $250 \%$ |
| $5.00 \%$ | $200 \%$ |
| $7.00 \%$ | $200 \%$ |
| $7.00 \%$ | $180 \%$ |
| $7.00 \%$ | $180 \%$ |
| $7.00 \%$ | $250 \%$ |
| $4.00 \%$ | $175 \%$ |
| $7.00 \%$ | $150 \%$ |
| $7.00 \%$ | $125 \%$ |
| $4.00 \%$ | $100 \%$ |
|  |  |
| $5.00 \%$ | $150 \%$ |
| $7.00 \%$ | $150 \%$ |
| $7.00 \%$ | $200 \%$ |
| $7.00 \%$ | $175 \%$ |
| $7.00 \%$ | $175 \%$ |
| $7.00 \%$ | $225 \%$ |
| $7.00 \%$ | $200 \%$ |
| $7.00 \%$ | $200 \%$ |
| $7.00 \%$ | $100 \%$ |
| $7.00 \%$ | $125 \%$ |
| $7.00 \%$ | $250 \%$ |
| $7.00 \%$ | $115 \%$ |
| $7.00 \%$ | $175 \%$ |
| $5.00 \%$ | $180 \%$ |
| $7.00 \%$ | $220 \%$ |
| $7.00 \%$ | $200 \%$ |
| $7.00 \%$ | $150 \%$ |
| $7.00 \%$ | $100 \%$ |
| $4.00 \%$ | $100 \%$ |
| $7.00 \%$ | $125 \%$ |
| $7.00 \%$ | $250 \%$ |
| $7.00 \%$ | $100 \%$ |
| $7.00 \%$ | $200 \%$ |
| $7.00 \%$ | $150 \%$ |
| $7.00 \%$ | $225 \%$ |
| $7.00 \%$ | $225 \%$ |
| $5.00 \%$ | $150 \%$ |
| $4.00 \%$ | $100 \%$ |
| $5.00 \%$ | $100 \%$ |
| $6.00 \%$ | $100 \%$ |
|  |  |
|  |  |


| rcentage | Vesting |
| :---: | :---: |
| 175\% | 8 Years |
| 150\% | 8 Years |
| 100\% | 8 Years |
| 65\% | 8 Years |
| 30\% | 10 Years |
| 0\% | 10 Years |
| 125\% | 8 Years |
| 150\% | 10 Years |
| 110\% | 8 Years |
| 0\% | 8 Years |
| 115\% | 8 Years |
| 0\% | 8 Years |
| 110\% | 8 Years |
| 0\% | 8 Years |
| 135\% | 10 Years |
| 125\% | 5 Years |
| 125\% | 8 Years |
| 125\% | 10 Years |
| 135\% | 10 Years |
| 150\% | 10 Years |
| 95\% | 8 Years |
| 105\% | 8 Years |
| 150\% | 8 Years |
| 20\% | 10 Years |
| 160\% | 8 Years |
| 110\% | 5 Years |
| 5\% | 10 Years |
| 110\% | 8 Years |
| 195\% | 8 Years |
| 145\% | 10 Years |
| 210\% | 8 Years |
| 35\% | 8 Years |
| 0\% | 5 Years |
| 0\% | 10 Years |
| 115\% | 8 Years |
| 175\% | 8 Years |
| 0\% | 8 Years |
| 85\% | 8 Years |
| 160\% | 8 Years |
| 100\% | 10 Years |
| 175\% | 8 Years |
| 10\% | 10 Years |
| 0\% | 10 Years |
| 40\% | 5 Years |
| 55\% | 8 Years |

Partial Lump Sum Option
No
No
No
No
No
No
No
No
No
No
No
No
No
No
No
No
No
No
Yes
No
No
No
Yes
No
No
No
No
No
No
No
No
Yes
No
No
No
No
No
No
No
No
Noo
No
Yes
Noo
Yes
No

Group Term Lire Coverage Employees and Retirees
20 Years Svc

20 Years Svc
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Employees Only
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Employees and Retirees
Employees and Retirees
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Employees Only
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Employees Only
Employees and Retirees
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None
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Employees and Retirees
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Employees Only
Employees and Retirees
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None
Em
Em

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## Appendix D - Plan Provisions by Employer

| Employer Number | Employer Name | Employee Deposit Rate | Employer Matching Rate | Monetary Prior Service Percentage | Vesting | Retirement Eligibility |  | Partial Lump Sum Option | Group Term Life Coverage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Rule of | Any Age |  |  |
| 633 | Trinity Bay Conservation District | 7.00\% | 200\% | 125\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 327 | Trinity County | 7.00\% | 150\% | 125\% | 8 Years | 75 | 20 Years Svc | No | None |
| 857 | Trinity County Appraisal District | 6.00\% | 175\% | 0\% | 10 Years | 80 | 30 Years Svc | No | None |
| 790 | Trophy Club Municipal Utility District No 1 | 7.00\% | 200\% | 0\% | 5 Years | 75 | 20 Years Svc | Yes | Employees and Retirees |
| 735 | Two Way Special Utility District | 7.00\% | 200\% | 0\% | 8 Years | 80 | 30 Years Svc | No | None |
| 328 | Tyler County | 7.00\% | 190\% | 145\% | 8 Years | 75 | 30 Years Svc | No | None |
| 471 | Tyler County Appraisal District | 7.00\% | 250\% | 150\% | 8 Years | 75 | 30 Years Svc | No | None |
| 561 | United Irrigation District - Hidalgo County | 7.00\% | 150\% | 20\% | 10 Years | 75 | 30 Years Svc | Yes | None |
| 834 | Upper Brushy Creek WCID | 4.00\% | 250\% | 0\% | 5 Years | 80 | 30 Years Svc | No | None |
| 792 | Upper Trinity GCD | 5.00\% | 100\% | 0\% | 5 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 329 | Upshur County | 7.00\% | 100\% | 160\% | 8 Years | 75 | 30 Years Svc | No | None |
| 330 | Upton County | 7.00\% | 125\% | 110\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 682 | Upton County Appraisal District | 7.00\% | 150\% | 0\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 331 | Uvalde County | 7.00\% | 200\% | 140\% | 8 Years | 75 | 30 Years Svc | No | None |
| 332 | Val Verde County | 7.00\% | 225\% | 160\% | 8 Years | 75 | 20 Years Svc | No | None |
| 663 | Valley MUD \#2 - Cameron County | 7.00\% | 100\% | 10\% | 8 Years | 75 | 30 Years Svc | Yes | None |
| 586 | Valwood Improv. Auth. - Dallas County | 4.00\% | 200\% | 125\% | 8 Years | 75 | 30 Years Svc | No | None |
| 333 | Van Zandt County | 7.00\% | 175\% | 135\% | 8 Years | 75 | 20 Years Svc | No | None |
| 672 | Van Zandt County Appraisal District | 7.00\% | 175\% | 10\% | 8 Years | 75 | 30 Years Svc | Yes | Employees and Retirees |
| 420 | Velasco Drainage District - Brazoria County | 7.00\% | 100\% | 120\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 334 | Victoria County | 7.00\% | 200\% | 135\% | 8 Years | 75 | 20 Years Svc | Yes | Employees and Retirees |
| 423 | Victoria County Drainage District \#3 | 7.00\% | 200\% | 80\% | 10 Years | 80 | 30 Years Svc | No | None |
| 767 | Victoria County GCD | 5.00\% | 150\% | 0\% | 10 Years | 80 | 30 Years Svc | No | Employees Only |
| 335 | Walker County | 7.00\% | 210\% | 130\% | 8 Years | 75 | 20 Years Svc | No | None |
| 748 | Walker County Special Utility District | 6.00\% | 180\% | 135\% | 10 Years | 80 | 30 Years Svc | No | None |
| 336 | Waller County | 7.00\% | 160\% | 130\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 773 | Waller County Appraisal District | 7.00\% | 225\% | 0\% | 8 Years | 75 | 30 Years Svc | No | Employees Only |
| 337 | Ward County | 7.00\% | 250\% | 150\% | 8 Years | 75 | 30 Years Svc | No | None |
| 565 | Ward County Central Appraisal District | 6.00\% | 140\% | 110\% | 8 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 444 | Ward Memorial Hospital | 7.00\% | 200\% | 100\% | 8 Years | 75 | 30 Years Svc | No | None |
| 338 | Washington County | 7.00\% | 210\% | 135\% | 8 Years | 75 | 30 Years Svc | No | None |
| 339 | Webb County | 6.00\% | 250\% | 70\% | 8 Years | 75 | 20 Years Svc | No | None |
| 604 | Webb County Appraisal District | 7.00\% | 135\% | 75\% | 8 Years | 75 | 30 Years Svc | No | None |
| 443 | West Central Texas Council of Governments | 7.00\% | 250\% | 175\% | 10 Years | 75 | 30 Years Svc | No | Employees and Retirees |
| 410 | West Central Texas Municipal WD | 7.00\% | 150\% | 120\% | 8 Years | 75 | 20 Years Svc | No | Employees Only |
| 454 | West Jefferson County Municipal WD | 6.00\% | 200\% | 165\% | 10 Years | 75 | 30 Years Svc | No | None |
| 688 | West Nueces -Las Moras Soil and WCD \#236 | 7.00\% | 100\% | 30\% | 8 Years | 75 | 30 Years Svc | No | None |
| 340 | Wharton County | 7.00\% | 175\% | 135\% | 8 Years | 75 | 20 Years Svc | Yes | None |
| 621 | Wharton County WCID \#1 | 5.00\% | 140\% | 80\% | 10 Years | 80 | 30 Years Svc | No | Employees and Retirees |
| 341 | Wheeler County | 7.00\% | 200\% | 125\% | 8 Years | 75 | 30 Years Svc | No | None |
| 476 | Wheeler County Appraisal District | 7.00\% | 175\% | 150\% | 10 Years | 75 | 30 Years Svc | No | None |
| 427 | White River MWD - Dickens County | 7.00\% | 100\% | 100\% | 10 Years | 80 | 30 Years Svc | No | None |
| 740 | Wichita Appraisal District | 7.00\% | 225\% | 0\% | 10 Years | 80 | 30 Years Svc | Yes | Employees Only |
| 342 | Wichita County | 7.00\% | 200\% | 125\% | 8 Years | 75 | 20 Years Svc | No | Employees Only |
| 446 | Wichita County WID \#2 | 7.00\% | 125\% | 110\% | 10 Years | 80 | 30 Years Svc | No | Employees and Retirees |

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## Appendix D - Plan Provisions by Employer

| Employer Number | Employer Name |
| :---: | :---: |
| 559 | Wichita-Wilbarger 9-1-1 District |
| 655 | Wickson Creek SUD - Brazos County |
| 343 | Wilbarger County |
| 715 | Wilbarger County Appraisal District |
| 530 | Wilbarger County Hospital District |
| 344 | Willacy County |
| 575 | Willacy County Appraisal District |
| 652 | Willacy County Housing Authority |
| 608 | Williamson Central Appraisal District |
| 345 | Williamson County |
| 798 | Williamson County ESD \#3 |
| 346 | Wilson County |
| 479 | Wilson County Appraisal District |
| 347 | Winkler County |
| 533 | Winkler County Appraisal District |
| 348 | Wise County |
| 493 | Wise County Appraisal District |
| 349 | Wood County |
| 700 | Wood County Appraisal District |
| 350 | Yoakum County |
| 776 | Yoakum County Appraisal District |
| 351 | Young County |
| 352 | Zapata County |
| 649 | Zapata County Appraisal District |
| 353 | Zavala County |
| 566 | Zavala County Appraisal District |

## Employee

$\begin{array}{cr}\text { Employee } & \begin{array}{r}\text { Employer } \\ \text { Matching Ra }\end{array} \\ \text { Deposit Rate }\end{array}$ $\begin{array}{ll}\begin{array}{c}\text { Employer } \\ \text { Matching Rate }\end{array} & \begin{array}{c}\text { Monetary Prior } \\ \text { Service Percentag }\end{array} \\ & \end{array}$

| $7.00 \%$ | $200 \%$ |
| :--- | :--- |
| $7.00 \%$ | $200 \%$ |
| $7.00 \%$ | $175 \%$ |
| $7.00 \%$ | $175 \%$ |
| $5.00 \%$ | $100 \%$ |
| $7.00 \%$ | $200 \%$ |
| $7.00 \%$ | $175 \%$ |
| $5.00 \%$ | $200 \%$ |
| $7.00 \%$ | $250 \%$ |
| $7.00 \%$ | $250 \%$ |
|  |  |
| $5.00 \%$ | $150 \%$ |
| $7.00 \%$ | $160 \%$ |
| $7.00 \%$ | $200 \%$ |
| $7.00 \%$ | $25 \%$ |
| $7.00 \%$ | $150 \%$ |
| $7.00 \%$ | $225 \%$ |
| $7.00 \%$ | $200 \%$ |
| $7.00 \%$ | $190 \%$ |
| $7.00 \%$ | $175 \%$ |
| $7.00 \%$ | $150 \%$ |
| $7.00 \%$ | $150 \%$ |
| $7.00 \%$ | $150 \%$ |
| $7.00 \%$ | $225 \%$ |
| $6.00 \%$ | $200 \%$ |
| $7.00 \%$ | $250 \%$ |
| $7.00 \%$ | $100 \%$ |

Vesting

| $135 \%$ | 8 Years |
| ---: | :---: |
| $100 \%$ | 10 Years |
| $100 \%$ | 8 Years |
| $05 \%$ | 10 Years |
| $100 \%$ | 8 Years |
| $135 \%$ | 8 Years |
| $135 \%$ | 8 Years |
| $0 \%$ | 8 Years |
| $125 \%$ | 8 Years |
| $175 \%$ | 8 Years |
|  |  |
| $0 \%$ | 5 Years |
| $125 \%$ | 8 Years |
| $150 \%$ | 10 Years |
| $150 \%$ | 8 Years |
| $125 \%$ | 8 Years |
| $165 \%$ | 8 Years |
| $140 \%$ | 10 Years |
| $135 \%$ | 8 Years |
| $0 \%$ | 8 Years |
| $150 \%$ | 8 Years |
|  |  |
| $0 \%$ | 5 Years |
| $135 \%$ | 8 Years |
| $155 \%$ | 8 Years |
| $5 \%$ | 8 Years |
| $215 \%$ | 10 Years |
| $125 \%$ | 10 Years |

$\qquad$ Partial Lump Sum Option
No
No
No
30 Years Svc
30 Years Svc
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30 Years Svc
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Group Term
$\qquad$
Employees Only Employees Only Employees Only

None
None
Employees Only
Employees Only
None
None
None
Employees Only Employees and Retirees None Employees Only None

Employees and Retirees
Employees Only
None
Nope
None
None
Employees Only None
Employees and Retirees
None
None
None

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# Texas County \& District Retirement System <br> System-wide Actuarial Valuation 

December 31, 2013

## Appendix E Summary of Assumptions

I. Economic assumptions
A. General wage increases
3.50\%
B. Aggregate Investment Return
8.00
C. Growth in membership
0.00
D. Payroll Growth
3.50 or less
E. Implied price inflation assumption
3.00
II. Demographic assumptions
A. Merit salary increases

Table E-1
B. Service retirement Table E-2
C. Disablement Table E-3
D. Mortality among active members

Table E-4

$$
\begin{array}{ll}
\text { RP-2000 Active Employee Mortality Table* for Males } & +2 \text { years } \\
\text { RP-2000 Active Employee Mortality Table* for Females } & -4 \text { years }
\end{array}
$$

E. Mortality among inactive vested members, service retirees, disability retirees, and beneficiaries

Table E-5
Basis - RP-2000 Combined Mortality Table* for respective gender using generational mortality (Projection Scale AA), as adjusted:

Status of Members
Inactive Members \& Service Retirees - men

- women +0 years

Beneficiaries -men +1 year

- women +0 years
F. Mortality among disability retirees Table E-5

RP-2000 Disabled Mortality Table* for Males +0 years
RP-2000 Disabled Mortality Table* for Females +2 years
G. Other terminations of employment

Table D-6
H. Retaining vested account upon termination of employment

[^2]I. Miscellaneous Assumptions

- Death Benefit - It is assumed there is an eligible beneficiary who will elect an actuarially equivalent annuity benefit.
- Retirement Age for Inactive Members - Inactive members are assumed to retire the later of age 60 and age first eligible of service retirement. Inactive members who do not have enough service to be eligible for service retirement are assumed to take an immediate refund of their contributions with interest.


# Texas County \& District Retirement System <br> System-wide Actuarial Valuation 

December 31, 2013
Annual Increase in Salary Due to Promotion and Longevity
Table E-1: Merit Salary Increases*

| Years of Service | Entry Age |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Before 30 | Ages 30-39 | Ages 40-49 | 50 \& Later |
| 0 | 5.25\% | 4.75\% | 4.25\% | 3.75\% |
| 1 | 4.50 | 4.00 | 3.50 | 3.00 |
| 2 | 4.00 | 3.50 | 3.00 | 2.50 |
| 3 | 3.50 | 3.00 | 2.50 | 2.00 |
| 4 | 3.00 | 2.50 | 2.00 | 1.50 |
| 5 | 2.65 | 2.15 | 1.65 | 1.15 |
| 6 | 2.40 | 1.90 | 1.40 | 0.90 |
| 7 | 2.20 | 1.70 | 1.20 | 0.70 |
| 8 | 2.05 | 1.55 | 1.05 | 0.55 |
| 9 | 1.95 | 1.45 | 0.95 | 0.45 |
| 10 | 1.85 | 1.35 | 0.85 | 0.40 |
| 11 | 1.75 | 1.25 | 0.75 | 0.40 |
| 12 | 1.65 | 1.15 | 0.65 | 0.40 |
| 13 | 1.55 | 1.05 | 0.55 | 0.40 |
| 14 | 1.45 | 0.95 | 0.45 | 0.40 |
| 15 | 1.35 | 0.90 | 0.40 | 0.40 |
| 16 | 1.25 | 0.85 | 0.40 | 0.40 |
| 17 | 1.15 | 0.80 | 0.40 | 0.40 |
| 18 | 1.10 | 0.75 | 0.40 | 0.40 |
| 19 | 1.05 | 0.70 | 0.40 | 0.40 |
| 20 | 1.00 | 0.65 | 0.40 | 0.40 |
| 21 | 0.95 | 0.60 | 0.40 | 0.40 |
| 22 | 0.90 | 0.55 | 0.40 | 0.40 |
| 23 | 0.85 | 0.50 | 0.40 | 0.40 |
| 24 | 0.80 | 0.45 | 0.40 | 0.40 |
| 25 | 0.75 | 0.40 | 0.40 | 0.40 |
| 26 | 0.70 | 0.40 | 0.40 | 0.40 |
| 27 | 0.65 | 0.40 | 0.40 | 0.40 |
| 28 | 0.60 | 0.40 | 0.40 | 0.40 |
| 29 | 0.55 | 0.40 | 0.40 | 0.40 |
| 30 \& Up | 0.50 | 0.40 | 0.40 | 0.40 |

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## Texas County \& District Retirement System <br> System-wide Actuarial Valuation

December 31, 2013

## Annual Probability of Retirement

Table E-2: Service Retirement*

| Age |  <br> Female |
| :---: | :---: |
| 40-44 | 4.5\% |
| 45-49 | 9.0 |
| 50 | 10.0 |
| 51 | 10.0 |
| 52 | 10.5 |
| 53 | 10.5 |
| 54 | 10.5 |
| 55 | 11.0 |
| 56 | 11.0 |
| 57 | 11.0 |
| 58 | 12.0 |
| 59 | 12.0 |
| 60 | 14.0 |
| 61 | 12.0 |
| 62 | 25.0 |
| 63 | 16.0 |
| 64 | 16.0 |
| 65 | 30.0 |
| 66 | 25.0 |
| 67 | 24.0 |
| 68 | 22.0 |
| 69 | 22.0 |
| 70 | 22.0 |
| 71 | 22.0 |
| 72 | 22.0 |
| 73 | 22.0 |
| 74* | 22.0 |

*For all eligible members ages 75 \& later, retirement is assumed to occur immediately.
Note: Rates only apply to members eligible for service retirement.

## Texas County \& District Retirement System <br> System-wide Actuarial Valuation

December 31, 2013
Annual Probability of Disablement
Table E-3: Disability*

| Age | Occupational | All Other Causes |
| :---: | :---: | :---: |
| Less than 25 | 0.000\% | 0.000\% |
| 25 | 0.000 | 0.000 |
| 26 | 0.000 | 0.000 |
| 27 | 0.000 | 0.000 |
| 28 | 0.000 | 0.010 |
| 29 | 0.000 | 0.010 |
| 30 | 0.000 | 0.011 |
| 31 | 0.000 | 0.012 |
| 32 | 0.000 | 0.012 |
| 33 | 0.000 | 0.014 |
| 34 | 0.000 | 0.018 |
| 35 | 0.001 | 0.023 |
| 36 | 0.001 | 0.028 |
| 37 | 0.001 | 0.035 |
| 38 | 0.002 | 0.041 |
| 39 | 0.002 | 0.047 |
| 40 | 0.003 | 0.053 |
| 41 | 0.004 | 0.059 |
| 42 | 0.004 | 0.066 |
| 43 | 0.005 | 0.072 |
| 44 | 0.005 | 0.079 |
| 45 | 0.006 | 0.086 |
| 46 | 0.006 | 0.095 |
| 47 | 0.007 | 0.105 |
| 48 | 0.007 | 0.119 |
| 49 | 0.008 | 0.136 |
| 50 | 0.009 | 0.156 |
| 51 | 0.009 | 0.178 |
| 52 | 0.010 | 0.203 |
| 53 | 0.011 | 0.229 |
| 54 | 0.012 | 0.254 |
| 55 | 0.014 | 0.278 |
| 56 | 0.016 | 0.297 |
| 57 | 0.018 | 0.312 |
| 58 | 0.022 | 0.324 |
| 59 | 0.024 | 0.337 |
| 60 \& Above | 0.000 | 0.000 |

* The probability of disablement from all other causes is applicable for members who are vested but not eligible for service retirement. Before a member is vested, only the occupational disability probabilities are applicable.

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| :---: | :---: | :---: |
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## Texas County \& District Retirement System System-wide Actuarial Valuation

## December 31, 2013

## Annual Probability of Mortality for Active Members

Table E-4: Active Death*

| Age | Male | Female |
| :---: | :---: | :---: |
| 25 | 0.038\% | 0.019\% |
| 26 | 0.039 | 0.019 |
| 27 | 0.041 | 0.020 |
| 28 | 0.044 | 0.020 |
| 29 | 0.050 | 0.021 |
| 30 | 0.056 | 0.021 |
| 31 | 0.063 | 0.022 |
| 32 | 0.070 | 0.024 |
| 33 | 0.077 | 0.025 |
| 34 | 0.084 | 0.026 |
| 35 | 0.090 | 0.031 |
| 36 | 0.096 | 0.035 |
| 37 | 0.102 | 0.039 |
| 38 | 0.108 | 0.044 |
| 39 | 0.114 | 0.048 |
| 40 | 0.122 | 0.051 |
| 41 | 0.130 | 0.055 |
| 42 | 0.140 | 0.060 |
| 43 | 0.151 | 0.065 |
| 44 | 0.162 | 0.071 |
| 45 | 0.173 | 0.077 |
| 46 | 0.186 | 0.085 |
| 47 | 0.200 | 0.094 |
| 48 | 0.214 | 0.103 |
| 49 | 0.229 | 0.112 |
| 50 | 0.245 | 0.122 |
| 51 | 0.262 | 0.133 |
| 52 | 0.281 | 0.143 |
| 53 | 0.303 | 0.155 |
| 54 | 0.331 | 0.168 |
| 55 | 0.363 | 0.181 |
| 56 | 0.400 | 0.197 |
| 57 | 0.441 | 0.214 |
| 58 | 0.488 | 0.232 |
| 59 | 0.538 | 0.253 |
| 60 | 0.592 | 0.276 |
| 61 | 0.647 | 0.301 |
| 62 | 0.703 | 0.329 |
| 63 | 0.757 | 0.360 |
| 64 | 0.810 | 0.393 |
| 65 | 0.860 | 0.429 |
| 66 | 0.907 | 0.466 |
| 67 | 0.951 | 0.504 |
| 68 | 0.992 | 0.543 |
| 69 | 1.091 | 0.582 |
| 70 | 1.289 | 0.621 |

* 1) Rates are projected using Scale AA.

2) Rates are non-zero for ages $75-79$ only if the member is not eligible for service retirement.
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# Texas County \& District Retirement System <br> System-wide Actuarial Valuation 

## December 31, 2013

Annual Probability of Post-Employment Mortality
Table E-5: Post-Employment Death ${ }^{1}$

| Age | Inactive Mortality ${ }^{(2)}$ |  | Disabled Mortality ${ }^{(3)}$ |  | Age | Inactive Mortality ${ }^{(2)}$ |  | Disabled Mortality ${ }^{(3)}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Male | Female |  | Male | Female | Male | Female |
| 20 | 0.036\% | 0.019\% | 2.257\% | 0.745\% | 60 | 0.768\% | 0.506\% | 4.204\% | 2.408\% |
| 21 | 0.037 | 0.019 | 2.257 | 0.745 | 61 | 0.876 | 0.581 | 4.347 | 2.529 |
| 22 | 0.037 | 0.019 | 2.257 | 0.745 | 62 | 1.001 | 0.666 | 4.498 | 2.660 |
| 23 | 0.038 | 0.020 | 2.257 | 0.745 | 63 | 1.128 | 0.765 | 4.658 | 2.803 |
| 24 | 0.038 | 0.020 | 2.257 | 0.745 | 64 | 1.274 | 0.862 | 4.831 | 2.959 |
| 25 | 0.038 | 0.021 | 2.257 | 0.745 | 65 | 1.441 | 0.971 | 5.017 | 3.133 |
| 26 | 0.038 | 0.021 | 2.257 | 0.745 | 66 | 1.608 | 1.095 | 5.221 | 3.323 |
| 27 | 0.039 | 0.022 | 2.257 | 0.745 | 67 | 1.787 | 1.216 | 5.445 | 3.534 |
| 28 | 0.041 | 0.024 | 2.257 | 0.745 | 68 | 1.980 | 1.345 | 5.691 | 3.764 |
| 29 | 0.044 | 0.025 | 2.257 | 0.745 | 69 | 2.221 | 1.486 | 5.961 | 4.014 |
| 30 | 0.050 | 0.026 | 2.257 | 0.745 | 70 | 2.457 | 1.674 | 6.258 | 4.285 |
| 31 | 0.056 | 0.031 | 2.257 | 0.745 | 71 | 2.728 | 1.858 | 6.584 | 4.577 |
| 32 | 0.063 | 0.035 | 2.257 | 0.745 | 72 | 3.039 | 2.067 | 6.941 | 4.890 |
| 33 | 0.070 | 0.039 | 2.257 | 0.745 | 73 | 3.390 | 2.297 | 7.329 | 5.223 |
| 34 | 0.077 | 0.044 | 2.257 | 0.745 | 74 | 3.783 | 2.546 | 7.751 | 5.578 |
| 35 | 0.084 | 0.048 | 2.257 | 0.745 | 75 | 4.217 | 2.811 | 8.207 | 5.955 |
| 36 | 0.090 | 0.051 | 2.257 | 0.745 | 76 | 4.691 | 3.097 | 8.695 | 6.355 |
| 37 | 0.096 | 0.055 | 2.257 | 0.745 | 77 | 5.212 | 3.411 | 9.215 | 6.779 |
| 38 | 0.102 | 0.060 | 2.257 | 0.745 | 78 | 5.793 | 3.760 | 9.764 | 7.231 |
| 39 | 0.108 | 0.065 | 2.257 | 0.745 | 79 | 6.437 | 4.151 | 10.339 | 7.714 |
| 40 | 0.114 | 0.071 | 2.257 | 0.745 | 80 | 7.204 | 4.588 | 10.937 | 8.230 |
| 41 | 0.122 | 0.077 | 2.257 | 0.745 | 81 | 8.049 | 5.078 | 11.554 | 8.784 |
| 42 | 0.130 | 0.085 | 2.257 | 0.745 | 82 | 8.972 | 5.629 | 12.188 | 9.379 |
| 43 | 0.140 | 0.094 | 2.257 | 0.745 | 83 | 9.978 | 6.251 | 12.834 | 10.020 |
| 44 | 0.151 | 0.103 | 2.257 | 0.818 | 84 | 11.076 | 6.952 | 13.492 | 10.710 |
| 45 | 0.162 | 0.112 | 2.257 | 0.896 | 85 | 12.280 | 7.745 | 14.160 | 11.451 |
| 46 | 0.173 | 0.122 | 2.385 | 0.978 | 86 | 13.604 | 8.638 | 14.837 | 12.246 |
| 47 | 0.186 | 0.133 | 2.512 | 1.063 | 87 | 15.059 | 9.634 | 15.524 | 13.097 |
| 48 | 0.200 | 0.143 | 2.640 | 1.154 | 88 | 16.642 | 10.730 | 16.219 | 14.005 |
| 49 | 0.214 | 0.155 | 2.769 | 1.248 | 89 | 18.341 | 11.915 | 16.923 | 14.970 |
| 50 | 0.245 | 0.168 | 2.898 | 1.346 | 90 | 19.977 | 13.168 | 18.341 | 15.992 |
| 51 | 0.267 | 0.185 | 3.027 | 1.447 | 91 | 21.661 | 14.460 | 19.977 | 17.043 |
| 52 | 0.292 | 0.202 | 3.156 | 1.550 | 92 | 23.366 | 15.762 | 21.661 | 18.280 |
| 53 | 0.320 | 0.221 | 3.286 | 1.654 | 93 | 25.069 | 17.043 | 23.366 | 19.451 |
| 54 | 0.362 | 0.242 | 3.415 | 1.760 | 94 | 26.749 | 18.280 | 25.069 | 20.538 |
| 55 | 0.420 | 0.272 | 3.544 | 1.865 | 95 | 28.391 | 19.451 | 26.749 | 21.524 |
| 56 | 0.469 | 0.309 | 3.673 | 1.971 | 96 | 29.985 | 20.538 | 28.391 | 22.395 |
| 57 | 0.527 | 0.348 | 3.803 | 2.077 | 97 | 31.530 | 21.524 | 29.985 | 23.139 |
| 58 | 0.595 | 0.392 | 3.933 | 2.184 | 98 | 33.021 | 22.395 | 31.530 | 23.747 |
| 59 | 0.675 | 0.444 | 4.067 | 2.294 | 99 | 34.456 | 23.139 | 33.021 | 24.483 |

${ }^{(1)}$ Male beneficiaries have the same inactive mortality assumptions as male retirees.
Similarly, female beneficiaries have the same inactive mortality assumptions as female retirees.
${ }^{(2)}$ The inactive mortality rates are the RP-2000 Combined Healthy Tables. Male are adjusted plus one year (i.e., a 70-year old TCRS retiree uses the age 71 rate from the standard table). There is no adjustment for females. All mortality rates are projected using Scale AA.
${ }^{(3)}$ Disabled mortality rates are based on the RP-2000 Disabled Mortality Tables for males and females, no set-back for males and a 2-year set-forward for females. Both projected using Scale AA.


# Texas County \& District Retirement System <br> System-wide Actuarial Valuation 

December 31, 2013

## Annual Probability of Terminating Employment Middle Termination Group

Table E-6: Termination*

| Years of Service | Entry Age < 30 |  | Entry Age 30-39 |  | Entry Age 40-49 |  | Entry Age 50+ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Male | Female | Male | Female | Male | Female |
| 0 | 33.1\% | 35.9\% | 27.4\% | 29.6\% | 24.5\% | 26.5\% | 21.6\% | 23.4\% |
| 1 | 22.1 | 23.9 | 18.2 | 19.8 | 16.3 | 17.7 | 14.4 | 15.6 |
| 2 | 16.6 | 17.9 | 13.7 | 14.8 | 12.2 | 13.3 | 10.8 | 11.7 |
| 3 | 13.3 | 14.4 | 10.9 | 11.9 | 9.8 | 10.6 | 8.6 | 9.4 |
| 4 | 11.0 | 12.0 | 9.1 | 9.9 | 8.2 | 8.8 | 7.2 | 7.8 |
| 5 | 9.4 | 10.2 | 7.8 | 8.4 | 6.9 | 7.5 | 6.1 | 6.6 |
| 6 | 7.7 | 8.4 | 6.4 | 6.9 | 5.7 | 6.2 | 5.0 | 5.5 |
| 7 | 6.6 | 7.2 | 5.5 | 5.9 | 4.9 | 5.3 | 4.3 | 4.7 |
| 8 | 6.1 | 6.6 | 5.0 | 5.4 | 4.5 | 4.9 | 4.0 | 4.3 |
| 9 | 5.5 | 6.0 | 4.6 | 4.9 | 4.1 | 4.4 | 3.6 | 3.9 |
| 10 | 5.0 | 5.4 | 4.1 | 4.5 | 3.7 | 4.0 | 3.2 | 3.5 |
| 11 | 4.4 | 4.8 | 3.7 | 4.0 | 3.3 | 3.5 | 2.9 | 3.1 |
| 12 | 4.0 | 4.3 | 3.3 | 3.6 | 2.9 | 3.2 | 2.6 | 2.8 |
| 13 | 3.5 | 3.8 | 2.9 | 3.2 | 2.6 | 2.8 | 2.3 | 2.5 |
| 14 | 3.1 | 3.4 | 2.6 | 2.8 | 2.3 | 2.5 | 2.0 | 2.2 |
| 15 | 2.7 | 2.9 | 2.2 | 2.4 | 2.0 | 2.1 | 1.7 | 1.9 |
| 16 | 2.3 | 2.5 | 1.9 | 2.1 | 1.7 | 1.9 | 1.5 | 1.6 |
| 17 | 2.0 | 2.2 | 1.6 | 1.8 | 1.5 | 1.6 | 1.3 | 1.4 |
| 18 | 1.8 | 1.9 | 1.5 | 1.6 | 1.3 | 1.4 | 1.2 | 1.3 |
| 19 | 1.7 | 1.8 | 1.4 | 1.5 | 1.2 | 1.3 | 1.1 | 1.2 |
| 20 | 1.7 | 1.8 | 1.4 | 1.5 | 1.2 | 1.3 | 1.1 | 1.2 |
| 21 | 1.5 | 1.6 | 1.2 | 1.3 | 1.1 | 1.2 | 1.0 | 1.1 |
| 22 | 1.3 | 1.4 | 1.1 | 1.2 | 1.0 | 1.1 | 0.9 | 0.9 |
| 23 | 1.2 | 1.3 | 1.0 | 1.0 | 0.9 | 0.9 | 0.8 | 0.8 |
| 24 | 1.0 | 1.1 | 0.8 | 0.9 | 0.7 | 0.8 | 0.7 | 0.7 |
| 25 | 0.9 | 1.0 | 0.7 | 0.8 | 0.7 | 0.7 | 0.6 | 0.6 |
| 26 | 0.8 | 0.8 | 0.6 | 0.7 | 0.6 | 0.6 | 0.5 | 0.6 |
| 27 | 0.7 | 0.7 | 0.6 | 0.6 | 0.5 | 0.5 | 0.4 | 0.5 |
| 28 | 0.6 | 0.6 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 |
| 29 | 0.4 | 0.5 | 0.4 | 0.4 | 0.3 | 0.4 | 0.3 | 0.3 |
| 30 \& Later | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

*The above tables are adjusted based on termination group by multiplying by the following factors.

| Zero | $0 \%$ | Middle | $100 \%$ |
| :--- | ---: | :--- | :--- |
| Extra-Low | $70 \%$ | Mid-High | $110 \%$ |
| Low | $80 \%$ | High | $120 \%$ |
| Mid-Low | $90 \%$ |  |  |

Note:
For plans that have adopted the partial lump-sum payment option, zero termination is assumed for individuals within two years of retirement eligibility.

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## Texas County \& District Retirement System System-wide Actuarial Valuation

December 31, 2013

## Probability of Refund Upon Termination

Table E-7: Refund

| Years of Service | 5-Year Vesting | 8-Year Vesting | 10-Year <br> Vesting |
| :---: | :---: | :---: | :---: |
| 0 | 100\% | 100\% | 100\% |
| 1 | 100 | 100 | 100 |
| 2 | 100 | 100 | 100 |
| 3 | 100 | 100 | 100 |
| 4 | 100 | 100 | 100 |
| 5 | 60 | 100 | 100 |
| 6 | 60 | 100 | 100 |
| 7 | 55 | 100 | 100 |
| 8 | 50 | 50 | 100 |
| 9 | 49 | 49 | 100 |
| 10 | 48 | 48 | 48 |
| 11 | 47 | 47 | 47 |
| 12 | 46 | 46 | 46 |
| 13 | 44 | 44 | 44 |
| 14 | 42 | 42 | 42 |
| 15 | 40 | 40 | 40 |
| 16 | 38 | 38 | 38 |
| 17 | 36 | 36 | 36 |
| 18 | 34 | 34 | 34 |
| 19 | 32 | 32 | 32 |
| 20 | 30 | 30 | 30 |
| 21 | 28 | 28 | 28 |
| 22 | 26 | 26 | 26 |
| 23 | 24 | 24 | 24 |
| 24 | 22 | 22 | 22 |
| 25 | 20 | 20 | 20 |
| 26 | 15 | 15 | 15 |
| 27 | 10 | 10 | 10 |
| 28 | 5 | 5 | 5 |
| 29* | 0 | 0 | 0 |

*Members with more than 29 years of service are not assumed to refund.

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[^2]:    * All Mortality tables use generational mortality with Projection Scale AA.

[^3]:    * These rates do not include the wage inflation rate of $3.5 \%$ per year. For example, a male member who entered the sytem at age 20 and is in his first year of service is assumed to receive a $8.93 \%$ total annual increase in his salary. The $8.93 \%$ is a combination of the $5.25 \%$ merit increase and the $3.5 \%$ wage inflation. Note that the two components are compounded, so it is a slightly different result than just adding the two percentages.

