

Texas Municipal Retirement System

Actuarial Valuation Report
as of December 31, 2021





May 26, 2022

Board of Trustees
Texas Municipal Retirement System
Austin, Texas 78701

Dear Trustees:

Subject: Actuarial Valuation Report (“our Report”) of the Texas Municipal Retirement System (“TMRS”) as of December 31, 2021

This is the December 31, 2021 actuarial valuation of the Texas Municipal Retirement System (“TMRS” or the “System”) which determines the contribution rates for the calendar year beginning January 1, 2023. This report describes the current actuarial condition of TMRS, determines recommended city contribution rates, and analyzes changes in these contribution rates. The results presented herein may not be applicable for other purposes. This report reflects the benefit provisions and contribution rates in effect for each of the 901 separate city plans participating in TMRS. Separate liabilities and contribution rates are determined for each of the participating cities. Valuations are prepared annually as of December 31st, the last day of the plan year.

The participating cities’ contribution rates are certified annually by the Board of Trustees (the “Board”), which is the intended user of this report. These rates are determined actuarially, based on the actuarial assumptions and methodology adopted by the Board. The Board’s current policy is that the contribution rates determined by a given actuarial valuation become effective one (1) year after the valuation date. For example, the rates determined by this December 31, 2021 actuarial valuation will be applicable for the calendar year beginning January 1, 2023 and ending December 31, 2023.

Financing objectives and funding policy

The actuarial cost method and the amortization periods are set by Board policy. Contribution rates and liabilities are computed using the Entry Age Normal actuarial cost method. In TMRS, a city’s actuarially determined contribution rate consists of two components: the Employer Normal Cost Contribution Rate and the Prior Service Contribution Rate, which is the amortization of any Unfunded Actuarial Accrued Liability. Both rates are determined as a percentage of active Member payroll. In addition, a Supplemental Death Benefit (SDB) Rate is determined annually for each participating city, if applicable. These SDB rates are listed in Section 5 of our Report.

Progress toward realization of financing objectives

The Funded Ratio (the ratio of the Actuarial Value of Assets to the Actuarial Accrued Liability) is a standard measure of a plan's funded status. Given the plan's contribution allocation procedure, if all actuarial assumptions are met (including the assumption of the plan earning 6.75% on the Actuarial Value of Assets) and absent future benefit changes, it is expected that:

1. The Employer Normal Cost as a percentage of payroll will remain level,
2. The Unfunded Actuarial Accrued Liability will be fully amortized over the remaining amortization period of each city, and
3. The funded status of each city will converge gradually towards a 100% Funded Ratio.

The Funded Ratio of TMRS as a whole is 90.5% and increased from 89.5% in the prior valuation. This increase in the Funded Ratio from the prior valuation is primarily due to a gain from the investment return on the Actuarial Value of Assets of 7.57% which is greater than the assumed rate of 6.75%, positive amortization on a system-wide basis, and contributions greater than actuarially calculated. This gain was partially offset by the upcoming COLA being greater than assumed. (Please note that each city is responsible for its own assets and liabilities and will have its own Funded Ratio.) On a market value of assets basis, the Funded Ratio of TMRS as a whole is 96.3% compared to 91.3% in the prior valuation.

Unless otherwise indicated, each funded status measurement presented in this report is based upon the Actuarial Accrued Liability and the Actuarial Value of Assets. Unless otherwise indicated, with regards to any funded status measurements presented in this report:

1. The measurement is inappropriate for assessing the sufficiency of plan assets to cover the estimated cost of settling the plan's benefit obligations.
2. The measurement would produce a different result if the market value of assets were used instead of the Actuarial Value of Assets.

Benefit provisions and changes

The benefit provisions reflected in this valuation are those which were in effect as of April 1, 2022. In addition to the 892 plans that are actively participating in TMRS, there are another nine (9) plans that are in inactive status with no active Members. No new plan provisions occurred during 2021 that impacted the valuation results, other than individual changes adopted by the various cities.

Of the 892 active cities, 602 (67%) have adopted annually repeating Updated Service Credits. In addition, 471 (53%) of the cities have adopted annually repeating Annuity Increases.



However, the larger participating cities have almost all adopted annually repeating benefits. Therefore, of the 116,053 actively contributing Members, 92% are covered under an annually repeating Updated Service Credit benefit structure and 71% are covered under an annually repeating Annuity Increase structure.

Six cities began participation in the System during 2021. Exhibit VI in Section 1 of our Report shows these cities, the number of contributing Members, total payroll, and the 2023 retirement rates.

There were 64 cities which modified their pension benefit provisions since the prior valuation. Of these cities, 63 adopted changes which increased benefits, while 1 city adopted changes which decreased benefits. A summary of these changes is provided in Section 7 of our Report, and the impact on each city's calculated retirement rate is shown in Section 3. The aggregate benefit changes and six new cities increased the overall liability of the System by \$63.6 million.

Assumptions and methods

All actuarial assumptions and methods are described under Section 6 of our Report. The current actuarial assumptions were developed from the actuarial investigation of the experience of TMRS over the four-year period from December 31, 2014 to December 31, 2018. These assumptions were adopted by the Board in 2019 and were first used in the December 31, 2019 valuation. The Actuarial Experience Investigation Study report dated October 15, 2019 details the analysis and changes to assumptions.

Due to the increase in the SDB claims in 2021, the Board adopted changes to the assumptions and methodology used for calculating 2023 SDB rates as determined by this valuation. A margin for adverse experience was added to the calculation for 2023 only, as well as the removal of a credit to the SDB rate for active coverage equal to 2% of the fund balance. There have been no other changes in the actuarial assumptions or methods since the prior valuation.

The results of the actuarial valuation are dependent on the actuarial assumptions used. Actual results can and almost certainly will differ, as actual experience deviates from the assumptions. Even seemingly minor changes in the assumptions can materially change the liabilities, calculated contribution rates and funding periods. The actuarial calculations presented in our Report are intended to provide information for rational decision making. The actuarial assumptions and methods used in our Report comply with the actuarial standards of practice (ASOPs) and the parameters for disclosure that appear in Governmental Accounting Standards Board Statement Number 67.



Data

The TMRS staff supplied data for retired, active and inactive Members as of December 31, 2021. We did not audit this data, but we did apply a number of tests to the data, and we concluded that it was reasonable and consistent with the prior year's data. TMRS staff also supplied the asset and financial information as of December 31, 2021.

Actuarial Certification

This report is a summary of the actuarial valuation results. Additional detailed results are provided in the TMRS Annual Comprehensive Financial Report. All of our work conforms with generally accepted actuarial principles and practices, and with the Actuarial Standards of Practice issued by the Actuarial Standards Board. In our opinion, our calculations also comply with the requirements of the TMRS Act and, where applicable, the Internal Revenue Code and the Statements of the Governmental Accounting Standards Board.

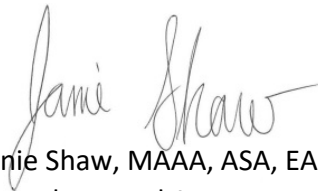
The undersigned are independent actuaries. They are both Members of the American Academy of Actuaries, meet all of the Qualification Standards of the American Academy of Actuaries, and are experienced in performing valuations for large public retirement systems.

Respectfully submitted,

Gabriel, Roeder, Smith & Company



Joseph P. Newton, MAAA, FSA, EA
Pension Market Leader and Actuary



Jamie Shaw, MAAA, ASA, EA
Consultant and Actuary



Table of Contents

Section 1	Executive Summary
Section 2	2023 Contribution Rates, Including a Comparison with 2022 Rates
Section 3	Reconciliation of Full Retirement Rates from Prior Actuarial Valuation Report
Section 4	Comparison of Expected City Contribution Dollar Amounts for 2022 and 2023
Section 5	Supplemental Death Rates
Section 6	Summary of Actuarial Assumptions and Methods
Section 7	Summary of Benefit Provisions
Section 8	Risks Associated With Measuring the Accrued Liability and Actuarially Determined Contribution
Section 9	Individual City Reports

SECTION 1

EXECUTIVE SUMMARY

Executive Summary Pension Trust

Item	2021	2020
Membership		
• Participating cities	901	895
• Number of		
- Active Members	116,053	114,497
- Retirees and beneficiaries	76,675	73,102
- Inactive Members	<u>74,086</u>	<u>68,679</u>
- Total	266,814	256,278
• Valuation Payroll (projected next year)	\$ 7.532 billion	\$ 7.283 billion
• Prior year payroll	7.346 billion	7.161 billion
Minimum Contribution Rates	FY 2023	FY 2022
• Straight average	8.98 %	8.90 %
• Dollar weighted average	13.25	13.32
Assets		
• Market value	\$ 38.593 billion	\$ 34.283 billion
• Estimated yield on market value	13.0 %	7.5 %
• Member contributions	\$ 492.3 million	\$ 479.2 million
• City contributions	1,076.9 million	1,191.7 million
• Benefit, refund, and expense payments	1,728.8 million	1,616.3 million
• Net external cash flow	-159.6 million	54.6 million
Actuarial Information - Pension Trust		
• Actuarial Accrued Liability (AAL)	\$ 40.082 billion	\$ 37.536 billion
• Unfunded Actuarial Accrued Liability (UAAL)	3.800 billion	3.926 billion
• UAAL as % of pay	51.7 %	54.8 %
• Funded Ratio	90.5	89.5
• Employer Normal Cost % - Aggregate	8.83	8.79
• Actuarially Determined Employer Contribution - Aggregate	13.25	13.32
• Equivalent single amortization period	15.3 years	16.2 years
Number of Member Cities with:		
• Increase in Full Retirement Rate	347	286
• Decrease in Full Retirement Rate	510	568
• No change in Full Retirement Rate	29	24
• New cities	6	7
• Benefit changes (retirement only)	64	44
Changes in the UAAL		
• Interest	\$ 265.0 million	\$ 288.3 million
• Amortization payments	(337.0) million	(352.3) million
• Asset experience	(272.0) million	(81.0) million
• Assumption/Methods changes	0.0 million	0.0 million
• Liability experience	258.6 million	(15.8) million
• Benefit modifications/New Cities	63.6 million	56.9 million
• Contributions different than actuarially calculated	<u>(104.6) million</u>	<u>(240.9) million</u>
• Total	\$ (126.4) million	\$ (344.8) million



Executive Summary Supplemental Death Trust

Item	2021	2020
Membership (TMRS Active Cities)		
• Cities with only active coverage	4	4
- Number of Members with active only coverage	764	794
- Valuation Payroll (projected next year)	\$ 59.003 million	\$ 58.623 million
- Prior year payroll	57.891 million	56.774 million
• Cities with active and retiree coverage	779	773
- Number of Members covered		
- Active Members	78,441	77,086
- Retirees	35,323	33,723
- Inactive Members	<u>11,284</u>	<u>10,409</u>
- Total	125,048	121,218
- Valuation Payroll (projected next year)	\$ 5.084 billion	\$ 4.885 billion
- Prior year payroll	4.965 billion	4.830 billion
Average Contribution Rates For Participating Cities		
	FY 2023	FY 2022
• Straight Average		
- Active coverage	0.25 %	0.12 %
- Retiree coverage	0.17	0.16
• Dollar Weighted Average		
- Active coverage	0.20 %	0.10 %
- Retiree coverage	0.13	0.11
Actuarial Information - OPEB		
• Actuarial Accrued Liability (AAL)	\$ 200.4 million	\$ 193.3 million
• Fund Value of Assets	<u>5.8 million</u>	<u>12.6 million</u>
• Unfunded Actuarial Accrued Liability (UAAL)	\$ 194.6 million	\$ 180.7 million
• UAAL as % of pay	3.9 %	3.7 %
• Funded Ratio	2.9	6.5

Exhibit I
Summary of Systemwide Actuarial Valuation Results

	<u>December 31, 2021</u>	<u>December 31, 2020</u>
<u>I. Valuation Results for Participating Cities</u>		
1. Actuarial Accrued Liability (AAL)		
a. Contributing Members	\$ 17,988,760,968	\$ 17,455,492,804
b. Noncontributing Members	3,386,901,532	3,147,046,011
c. Annuitants	17,979,456,242	16,508,416,276
d. Expense and Endowment Funds	<u>726,422,776</u>	<u>424,566,792</u>
e. Total AAL	\$ 40,081,541,518	\$ 37,535,521,883
2. Actuarial Value of Assets (AVA)		
a. Benefit Accumulation Fund (Smoothed)	\$ 35,555,263,768	\$ 33,184,705,011
b. Interest Reserve Account	674,474,626	385,283,600
c. Perpetual Endowment	29,566,079	26,595,917
d. Expense Fund	14,882,071	12,687,275
e. General Reserve	<u>7,500,000</u>	<u>-</u>
f. Total AVA	\$ 36,281,686,544	\$ 33,609,271,803
3. Total Unfunded Actuarial Accrued Liability (UAAL) [1e - 2f]	\$ 3,799,854,974	\$ 3,926,250,080
4. Funded Ratio [2 / 1]	90.5 %	89.5 %
<u>II. Valuation Results for Pooled Benefits</u>		
1. Actuarial Present Value of Future Benefits from the Supplemental Disability Benefits Fund for annuities in effect	\$ 334,490	\$ 346,885
2. Actuarial Value of Assets of the Supplemental Disability Benefits Fund	<u>\$ 280,897</u>	<u>\$ 311,327</u>
3. Unfunded/(Overfunded) Actuarial Accrued Liability [UAAL/(OAAL)] in Supplemental Disability Benefits Fund [1 - 2]	\$ 53,593	\$ 35,558
4. Funded Ratio [2 / 1]	84.0 %	89.7 %

Exhibit II
Plan Net Assets - Pension Trust
(Assets at Market Value)

	Valuation of	
	December 31, 2021	December 31, 2020
1. Market value of assets at beginning of year	\$ 34,282,893,034	\$ 31,813,811,275
2. Revenue for the year		
a. Contributions		
i. Member	\$ 492,319,722	\$ 479,187,524
ii. City	1,076,907,798	1,191,723,159
iii. Total Contributions	\$ 1,569,227,520	\$ 1,670,910,683
b. Net investment income		
i. Interest and dividends	\$ 499,024,961	\$ 446,821,348
ii. Net apprec/(deprec) in fair value of investments	4,012,087,723	2,011,287,939
iii. Net securities lending income	-	-
iv. Investment expenses	(42,010,847)	(43,649,230)
v. Net investment income	\$ 4,469,101,837	\$ 2,414,460,057
c. Miscellaneous	\$ 560,172	\$ 47,400
d. Total revenue	\$ 6,038,889,529	\$ 4,085,418,140
3. Expenditures for the year		
a. Benefit payments		
i. Retirement benefits	\$ (1,433,417,513)	\$ (1,335,234,201)
ii. Disability benefits	(17,238,391)	(17,178,149)
iii. Partial lump sum payments	(194,678,511)	(191,627,456)
iv. Total benefit payments	\$ (1,645,334,415)	\$ (1,544,039,806)
b. Refund of contributions	\$ (62,336,087)	\$ (56,013,543)
c. Administrative expenses	(20,679,140)	(15,625,982)
d. Allocation to supplemental death benefits fund	(418,537)	(657,050)
e. Total expenditures	\$ (1,728,768,179)	\$ (1,616,336,381)
4. Increase in net assets (Item 2d + Item 3e)	\$ 4,310,121,350	\$ 2,469,081,759
5. Market value of assets at end of year (Item 1 + Item 4)	\$ 38,593,014,384	\$ 34,282,893,034

Exhibit III
Development of Actuarial Value of Assets
Benefit Accumulation Fund (BAF) Only

		Year Ending December 31, 2021				
1. Actuarial Value of Assets at January 1		\$ 33,184,705,011				
2. Net external cash flow						
a. Employer and Member contributions		\$ 1,566,909,729				
b. Benefits and refunds paid		<u>(1,708,272,804)</u>				
c. Subtotal		\$ (141,363,075)				
3. Assumed rate of investment return for 2021		6.75%				
4. Expected investment return for 2021 (Item 1 x Item 3)		\$ 2,239,967,588				
5. Expected actuarial value of assets at December 31 (Item 1+ Item 2c + Item 4)		\$ 35,283,309,524				
6. Market value of assets at December 31		\$ 37,866,310,711				
7. Difference (Item 6 - Item 5)		\$ 2,583,001,187				
8. Development of amounts to be recognized at December 31, 2021:						
	Remaining Deferrals					
Fiscal	of Excess (Shortfall)					
Year	of Investment	Offsetting of	Net Deferrals	Years	Recognized for	Remaining after
End	Income	Gains/(Losses)	Remaining	Remaining	this valuation	this valuation
	(1)	(2)	(3) = (1) + (2)	(4)	(5) = (3) / (4)	(6) = (3) - (5)
2016	\$ 0	\$ 0	\$ 0	5	\$ 0	\$ 0
2017	0	0	0	6	0	0
2018	0	0	0	7	0	0
2019	444,449,172	0	444,449,172	8	55,556,146	388,893,026
2020	228,860,732	0	228,860,732	9	25,428,970	203,431,762
2021	<u>1,909,691,283</u>	<u>0</u>	<u>1,909,691,283</u>	<u>10</u>	<u>190,969,128</u>	<u>1,718,722,155</u>
Total	\$ 2,583,001,187	\$ 0	\$ 2,583,001,187		\$ 271,954,244	\$ 2,311,046,943
9. Preliminary Actuarial Value of Assets at December 31 (Item 6 - Item 8)		\$ 35,555,263,768				
10. Corridor Limits						
a. 88% of market value		\$ 33,322,353,426				
b. 112% of market value		42,410,267,996				
c. 33% adjustment back to corridor limits (if applicable)		-				
11. Final Actuarial Value of Assets at December 31 (Item 9 + Item 10c)		\$ 35,555,263,768				
12. Asset gain (loss) for year (Item 11 - Item 5)		\$ 271,954,244				
13. Return on the Actuarial Value of Assets		7.57%				
14. Ratio of actuarial value to market value		93.9%				

Notes: Remaining deferrals in Column (1) for prior years are from last year's report column (6). The number in the current year is the difference between the remaining deferrals for prior years and the total Excess/(Shortfall) return shown in Item 7. Column 2 is a direct offset of the current year's excess/(shortfall) return against prior years' excess/(shortfall) of the opposite type.

EXHIBIT IV

Texas Municipal Retirement System

CHANGES IN CONTRIBUTION RATES FROM 2022 TO 2023,
WITHOUT IMPACT OF STATUTORY MAXIMUM OR PHASE-IN
CITIES WITH 500 OR MORE CONTRIBUTING MEMBERS

CITY NAME	RETIREMENT PLAN CONTRIBUTION RATES ONLY				TOTAL CHANGE
	NORMAL COST		PRIOR SERVICE		
	2022	2023	2022	2023	
Abilene	7.68%	7.67%	2.99%	2.41%	-0.59%
Allen	10.71%	10.82%	3.45%	3.64%	0.30%
Amarillo	7.37%	7.34%	4.48%	3.66%	-0.85%
Arlington	9.58%	9.55%	0.59%	0.10%	-0.52%
Baytown	10.17%	10.24%	7.12%	7.32%	0.27%
Beaumont	9.95%	9.89%	9.24%	9.58%	0.28%
Brownsville	10.84%	10.85%	6.06%	6.29%	0.24%
Brownsville PUB	10.32%	10.32%	6.87%	6.92%	0.05%
Bryan	9.08%	9.04%	0.10%	-0.19%	-0.33%
Carrollton	8.42%	8.41%	2.41%	2.43%	0.01%
College Station	8.57%	8.61%	4.51%	4.04%	-0.43%
Corpus Christi	8.56%	8.57%	8.46%	7.98%	-0.47%
Denton	10.43%	10.44%	7.04%	7.43%	0.40%
Edinburg	8.80%	8.79%	5.66%	5.74%	0.07%
Flower Mound	8.00%	7.95%	3.19%	3.07%	-0.17%
Frisco	11.47%	11.44%	2.78%	2.68%	-0.13%
Garland	8.61%	8.57%	2.72%	2.26%	-0.50%
Georgetown	9.42%	9.41%	3.06%	2.80%	-0.27%
Grand Prairie	11.07%	11.17%	5.96%	6.25%	0.39%
Grapevine	11.72%	11.86%	6.82%	7.12%	0.44%
Irving	9.73%	9.70%	4.59%	-0.02%	-4.64%
Killeen	7.48%	7.43%	7.29%	6.94%	-0.40%
Laredo	10.30%	10.32%	10.22%	10.50%	0.30%
League City	9.67%	9.73%	4.71%	4.75%	0.10%
Lewisville	10.46%	10.49%	5.89%	6.28%	0.42%
Longview	7.36%	7.38%	5.32%	4.71%	-0.59%
Lubbock	10.00%	10.01%	6.66%	7.00%	0.35%
McAllen	4.57%	4.56%	3.56%	3.26%	-0.31%
McKinney	11.48%	11.46%	3.54%	3.63%	0.07%
Mesquite	8.39%	8.38%	9.57%	9.04%	-0.54%
Midland	8.16%	8.12%	6.08%	6.29%	0.17%
Mission	6.74%	6.72%	2.01%	1.81%	-0.22%
New Braunfels	11.19%	11.09%	5.86%	6.08%	0.12%
North Richland Hills	11.31%	11.37%	5.50%	5.82%	0.38%
Odessa	8.26%	8.27%	5.44%	5.39%	-0.04%
Pasadena	9.52%	9.49%	4.17%	3.32%	-0.88%
Pearland	9.86%	9.91%	3.08%	3.14%	0.11%
Pharr	7.51%	7.47%	4.99%	4.63%	-0.40%
Plano	11.55%	11.55%	4.80%	5.05%	0.25%
Port Arthur	7.26%	7.26%	6.39%	6.60%	0.21%
Richardson	8.00%	7.99%	6.07%	6.34%	0.26%
Round Rock	11.01%	10.94%	4.93%	5.26%	0.26%
San Angelo	8.20%	8.21%	8.81%	8.70%	-0.10%
San Antonio	7.03%	7.02%	5.37%	4.82%	-0.56%
San Antonio Water System	2.10%	2.10%	1.54%	1.51%	-0.03%
San Marcos	11.01%	10.96%	7.24%	7.39%	0.10%
Sugar Land	10.80%	10.73%	3.55%	3.63%	0.01%
Temple	10.75%	10.66%	5.98%	6.14%	0.07%
Tyler	9.44%	9.45%	11.20%	11.20%	0.01%
Victoria	7.69%	7.72%	8.02%	8.39%	0.40%
Waco	7.72%	7.73%	6.62%	5.94%	-0.67%
Wichita Falls	6.89%	6.89%	9.53%	9.29%	-0.24%
Average - 52 Cities	9.08%	9.08%	5.42%	5.28%	-0.15%



EXHIBIT V

TEXAS MUNICIPAL RETIREMENT SYSTEM

CITIES WITH THE 2023 RETIREMENT RATE (INCLUDING PHASE-IN, IF APPLICABLE)
AT THE STATUTORY MAXIMUM, BASED ON THE DECEMBER 31, 2021 VALUATION

CITY NAME	<u>2022 RETIREMENT PLAN ONLY</u>		<u>2023 RETIREMENT PLAN ONLY</u>		RATE LIMITED TO STATUTORY MAXIMUM
	FULL RATE	PHASE IN MINIMUM	FULL RATE	PHASE IN MINIMUM	
Azle	12.46%	12.46%	12.82%	12.82%	12.50%
Clyde	13.47%	13.47%	13.63%	13.63%	13.50%
Frost	7.43%	7.43%	9.72%	9.72%	7.50%
Trinidad	11.88%	11.88%	14.50%	14.50%	13.50%

EXHIBIT VI

TEXAS MUNICIPAL RETIREMENT SYSTEM

CITIES BEGINNING PARTICIPATION IN 2021

CITY NUMBER	CITY NAME	PARTICIPATION DATE	CONTRIBUTING MEMBERS	ANNUAL COMPENSATION	NORMAL COST	PRIOR SERVICE	TOTAL
00211	Callisburg	08-21	1	\$ 69,792	6.81%	0.46%	7.27%
00501	Garrett	11-21	7	\$ 288,360	1.71%	3.07%	4.78%
00764	Lone Oak	07-21	10	\$ 406,710	1.96%	3.31%	5.27%
00957	Orchard	11-21	2	\$ 67,416	1.65%	7.15%	8.80%
01223	Sullivan City	11-21	25	\$ 856,585	1.15%	1.13%	2.28%
01307	Uhland	10-21	5	\$ 304,023	2.81%	10.19%	13.00%

SECTION 2

2023 CONTRIBUTION RATES, INCLUDING A COMPARISON WITH 2022 RATES

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members LAST YEAR THIS YEAR		2022 RATES WITHOUT MAXIMUM OR PHASE-IN					2023 RATES WITHOUT MAXIMUM OR PHASE-IN					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				RETIREMENT PLAN					RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPL DEATH	GRAND TOTAL			
4	Abernathy	16	17	2.75%	0.90%	3.65%	0.22%	3.87%	2.70%	1.01%	3.71%	0.53%	4.24%	0.37%	4.24%	7.50%
6	Abilene	1,047	1,024	7.68%	2.99%	10.67%	0.34%	11.01%	7.67%	2.41%	10.08%	0.49%	10.57%	-0.44%	10.57%	NO MAX
7	Addison	278	294	8.77%	2.82%	11.59%	0.19%	11.78%	8.86%	2.45%	11.31%	0.30%	11.61%	-0.17%	11.61%	15.50%
8	Agua Dulce	3	3	2.15%	6.73%	8.88%	0.16%	9.04%	2.16%	6.99%	9.15%	0.34%	9.49%	0.45%	9.49%	NO MAX
10	Alamo	139	152	4.98%	1.04%	6.02%	0.22%	6.24%	5.03%	0.89%	5.92%	0.33%	6.25%	0.01%	6.25%	9.50%
12	Alamo Heights	96	98	9.83%	6.74%	16.57%	0.27%	16.84%	9.68%	6.53%	16.21%	0.38%	16.59%	-0.25%	16.59%	NO MAX
14	Alba	5	5	4.58%	9.17%	13.75%	0.16%	13.91%	4.74%	8.78%	13.52%	0.30%	13.82%	-0.09%	13.82%	NO MAX
16	Albany	15	12	3.79%	0.73%	4.52%	0.39%	4.91%	3.73%	0.72%	4.45%	0.68%	5.13%	0.22%	5.13%	9.50%
17	Aledo	14	15	10.32%	3.84%	14.16%	0.28%	14.44%	10.41%	3.28%	13.69%	0.41%	14.10%	-0.34%	14.10%	NO MAX
18	Alice	203	209	5.20%	-0.99%	4.21%	0.00%	4.21%	5.19%	-1.09%	4.10%	0.00%	4.10%	-0.11%	4.10%	11.50%
19	Allen	767	761	10.71%	3.45%	14.16%	0.14%	14.30%	10.82%	3.64%	14.46%	0.25%	14.71%	0.41%	14.71%	NO MAX
20	Alpine	85	82	3.76%	-1.63%	2.13%	0.20%	2.33%	3.36%	-1.71%	1.65%	0.31%	1.96%	-0.37%	1.96%	11.50%
22	Alto	12	10	10.66%	-0.25%	10.41%	0.50%	10.91%	10.48%	-0.69%	9.79%	0.57%	10.36%	-0.55%	10.36%	13.50%
23	Alton	89	94	10.33%	0.78%	11.11%	0.15%	11.26%	10.40%	0.94%	11.34%	0.24%	11.58%	0.32%	11.58%	13.50%
24	Alvarado	60	62	4.53%	0.83%	5.36%	0.14%	5.50%	4.59%	0.63%	5.22%	0.26%	5.48%	-0.02%	5.48%	NO MAX
26	Alvin	227	232	9.79%	7.14%	16.93%	0.21%	17.14%	9.76%	7.19%	16.95%	0.32%	17.27%	0.13%	17.27%	NO MAX
28	Alvord	7	7	5.14%	0.33%	5.47%	0.16%	5.63%	5.28%	0.30%	5.58%	0.32%	5.90%	0.27%	5.90%	NO MAX
30	Amarillo	1,770	1,721	7.37%	4.48%	11.85%	0.00%	11.85%	7.34%	3.66%	11.00%	0.00%	11.00%	-0.85%	11.00%	NO MAX
32	Amherst	5	5	4.11%	-3.89%	0.22%	0.00%	0.22%	4.02%	-4.02%	0.00%	0.00%	0.00%	-0.22%	0.00%	NO MAX
34	Anahuac	11	11	8.06%	-0.75%	7.31%	0.21%	7.52%	8.01%	-0.70%	7.31%	0.30%	7.61%	0.09%	7.61%	NO MAX
36	Andrews	76	84	9.47%	6.71%	16.18%	0.00%	16.18%	9.47%	6.51%	15.98%	0.00%	15.98%	-0.20%	15.98%	NO MAX
38	Angleton	136	134	8.35%	3.31%	11.66%	0.22%	11.88%	8.30%	2.76%	11.06%	0.33%	11.39%	-0.49%	11.39%	NO MAX
40	Anna	99	129	12.19%	1.38%	13.57%	0.09%	13.66%	12.75%	1.32%	14.07%	0.16%	14.23%	0.57%	14.23%	NO MAX
41	Annetta	2	2	8.74%	1.59%	10.33%	0.09%	10.42%	8.75%	1.29%	10.04%	0.21%	10.25%	-0.17%	10.25%	NO MAX
44	Anson	27	25	2.29%	-0.81%	1.48%	0.20%	1.68%	2.38%	-0.92%	1.46%	0.34%	1.80%	0.12%	1.80%	9.50%
45	Anthony	31	31	1.21%	1.55%	2.76%	0.13%	2.89%	1.31%	1.34%	2.65%	0.28%	2.93%	0.04%	2.93%	NO MAX
48	Aransas Pass	117	120	7.26%	2.26%	9.52%	0.22%	9.74%	7.32%	2.08%	9.40%	0.35%	9.75%	0.01%	9.75%	NO MAX
50	Archer City	18	16	3.36%	0.66%	4.02%	0.40%	4.42%	3.26%	0.17%	3.43%	0.65%	4.08%	-0.34%	4.08%	9.50%
49	Arcola	14	17	2.09%	1.46%	3.55%	0.17%	3.72%	2.23%	1.15%	3.38%	0.32%	3.70%	-0.02%	3.70%	NO MAX
51	Argyle	32	32	11.27%	0.51%	11.78%	0.00%	11.78%	10.42%	-0.05%	10.37%	0.00%	10.37%	-1.41%	10.37%	NO MAX
52	Arlington	2,492	2,546	9.58%	0.59%	10.17%	0.19%	10.36%	9.55%	0.10%	9.65%	0.30%	9.95%	-0.41%	9.95%	NO MAX
54	Arp	8	11	6.51%	1.39%	7.90%	0.26%	8.16%	6.31%	-0.05%	6.26%	0.25%	6.51%	-1.65%	6.51%	11.50%
60	Aspermont	7	7	1.33%	-1.33%	0.00%	0.29%	0.29%	1.23%	-1.23%	0.00%	0.44%	0.44%	0.15%	0.44%	7.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members LAST YEAR THIS YEAR		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
62	Athens	124	122	9.36%	6.92%	16.28%	0.20%	16.48%	9.20%	6.97%	16.17%	0.30%	16.47%	-0.01%	16.47%	NO MAX
64	Atlanta	39	40	5.33%	1.22%	6.55%	0.28%	6.83%	5.21%	0.65%	5.86%	0.42%	6.28%	-0.55%	6.28%	9.50%
66	Aubrey	71	81	5.53%	0.10%	5.63%	0.09%	5.72%	5.78%	0.05%	5.83%	0.19%	6.02%	0.30%	6.02%	13.50%
74	Avinger	2	2	3.49%	-1.01%	2.48%	0.20%	2.68%	3.48%	-1.10%	2.38%	0.50%	2.88%	0.20%	2.88%	9.50%
75	Azle	130	130	8.47%	3.99%	12.46%	0.16%	12.62%	8.40%	4.42%	12.82%	0.27%	13.09%	0.47%	13.09%	12.50%
77	Baird	11	11	1.65%	-0.66%	0.99%	0.17%	1.16%	1.64%	-0.64%	1.00%	0.30%	1.30%	0.14%	1.30%	NO MAX
78	Balch Springs	168	168	9.22%	4.26%	13.48%	0.16%	13.64%	9.20%	4.91%	14.11%	0.26%	14.37%	0.73%	14.37%	NO MAX
79	Balcones Heights	49	51	9.85%	0.65%	10.50%	0.27%	10.77%	9.76%	0.97%	10.73%	0.42%	11.15%	0.38%	11.15%	NO MAX
80	Ballinger	30	33	9.14%	6.84%	15.98%	0.42%	16.40%	9.56%	8.17%	17.73%	0.55%	18.28%	1.88%	18.28%	NO MAX
82	Balmorea	1	1	1.73%	-1.73%	0.00%	0.07%	0.07%	1.73%	-1.73%	0.00%	0.16%	0.16%	0.09%	0.16%	NO MAX
83	Bandera	20	19	11.51%	-0.34%	11.17%	0.57%	11.74%	10.43%	-0.49%	9.94%	0.52%	10.46%	-1.28%	10.46%	NO MAX
84	Bangs	13	11	10.73%	-0.81%	9.92%	0.27%	10.19%	10.44%	-1.46%	8.98%	0.52%	9.50%	-0.69%	9.50%	NO MAX
90	Bartlett	17	18	7.96%	-1.21%	6.75%	0.28%	7.03%	8.08%	-0.77%	7.31%	0.38%	7.69%	0.66%	7.69%	11.50%
91	Bartonville	8	5	6.88%	7.91%	14.79%	0.14%	14.93%	7.16%	8.58%	15.74%	0.28%	16.02%	1.09%	16.02%	NO MAX
92	Bastrop	135	136	8.36%	3.05%	11.41%	0.17%	11.58%	8.43%	3.14%	11.57%	0.30%	11.87%	0.29%	11.87%	12.50%
94	Bay City	161	155	5.88%	3.45%	9.33%	0.30%	9.63%	5.99%	3.44%	9.43%	0.42%	9.85%	0.22%	9.85%	11.50%
93	Bayou Vista	7	8	3.10%	-0.59%	2.51%	0.20%	2.71%	3.18%	-0.57%	2.61%	0.32%	2.93%	0.22%	2.93%	NO MAX
96	Baytown	869	872	10.17%	7.12%	17.29%	0.16%	17.45%	10.24%	7.32%	17.56%	0.26%	17.82%	0.37%	17.82%	NO MAX
98	Beaumont	1,017	1,015	9.95%	9.24%	19.19%	0.00%	19.19%	9.89%	9.58%	19.47%	0.00%	19.47%	0.28%	19.47%	NO MAX
100	Bedford	341	315	7.12%	9.38%	16.50%	0.09%	16.59%	7.38%	9.42%	16.80%	0.17%	16.97%	0.38%	16.97%	NO MAX
101	Bee Cave	48	51	7.89%	1.32%	9.21%	0.13%	9.34%	8.07%	1.51%	9.58%	0.23%	9.81%	0.47%	9.81%	13.50%
102	Beeville	97	96	3.39%	-2.10%	1.29%	0.00%	1.29%	3.40%	-2.24%	1.16%	0.00%	1.16%	-0.13%	1.16%	11.50%
106	Bellaire	152	149	11.11%	8.67%	19.78%	0.25%	20.03%	11.30%	8.96%	20.26%	0.39%	20.65%	0.62%	20.65%	NO MAX
109	Bellmead	74	77	9.56%	-1.09%	8.47%	0.23%	8.70%	9.32%	-1.08%	8.24%	0.31%	8.55%	-0.15%	8.55%	12.50%
110	Bells	10	9	4.37%	-0.85%	3.52%	0.18%	3.70%	4.53%	-0.83%	3.70%	0.30%	4.00%	0.30%	4.00%	NO MAX
112	Bellville	52	49	6.64%	9.76%	16.40%	0.39%	16.79%	6.42%	10.54%	16.96%	0.54%	17.50%	0.71%	17.50%	NO MAX
114	Belton	169	172	7.53%	2.80%	10.33%	0.21%	10.54%	7.58%	2.58%	10.16%	0.35%	10.51%	-0.03%	10.51%	13.50%
118	Benbrook	125	123	11.62%	4.30%	15.92%	0.16%	16.08%	11.73%	4.32%	16.05%	0.28%	16.33%	0.25%	16.33%	NO MAX
121	Berryville	4	4	3.11%	-0.16%	2.95%	0.71%	3.66%	3.13%	-0.16%	2.97%	1.33%	4.30%	0.64%	4.30%	9.50%
123	Bertram	17	18	4.24%	0.07%	4.31%	0.00%	4.31%	4.66%	-0.17%	4.49%	0.00%	4.49%	0.18%	4.49%	11.50%
124	Big Lake	28	27	7.91%	9.91%	17.82%	0.26%	18.08%	7.93%	10.72%	18.65%	0.38%	19.03%	0.95%	19.03%	NO MAX
126	Big Sandy	10	10	1.37%	1.49%	2.86%	0.43%	3.29%	1.70%	1.41%	3.11%	0.58%	3.69%	0.40%	3.69%	7.50%
128	Big Spring	173	172	8.66%	8.72%	17.38%	0.42%	17.80%	8.71%	9.16%	17.87%	0.49%	18.36%	0.56%	18.36%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
		LAST YEAR	THIS YEAR	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
132	Bishop	23	23	3.16%	-0.26%	2.90%	0.35%	3.25%	3.06%	-0.13%	2.93%	0.55%	3.48%	0.23%	3.48%	11.50%
134	Blanco	22	22	5.94%	-0.02%	5.92%	0.20%	6.12%	6.60%	-0.05%	6.55%	0.28%	6.83%	0.71%	6.83%	13.50%
140	Blooming Grove	5	4	6.76%	4.41%	11.17%	0.24%	11.41%	6.93%	4.43%	11.36%	0.42%	11.78%	0.37%	11.78%	NO MAX
142	Blossom	4	4	5.61%	-0.80%	4.81%	0.96%	5.77%	5.62%	-0.73%	4.89%	1.39%	6.28%	0.51%	6.28%	11.50%
143	Blue Mound	23	22	4.61%	0.20%	4.81%	0.14%	4.95%	4.49%	-0.24%	4.25%	0.21%	4.46%	-0.49%	4.46%	NO MAX
144	Blue Ridge	6	6	2.81%	-0.74%	2.07%	0.36%	2.43%	2.95%	-0.73%	2.22%	0.28%	2.50%	0.07%	2.50%	NO MAX
148	Boerne	270	264	12.01%	6.75%	18.76%	0.17%	18.93%	11.69%	6.94%	18.63%	0.28%	18.91%	-0.02%	18.91%	NO MAX
150	Bogata	9	9	1.43%	-1.10%	0.33%	0.26%	0.59%	1.64%	-1.48%	0.16%	0.40%	0.56%	-0.03%	0.56%	7.50%
152	Bonham	111	117	6.43%	3.20%	9.63%	0.00%	9.63%	6.52%	2.97%	9.49%	0.00%	9.49%	-0.14%	9.49%	12.50%
154	Booker	10	10	5.51%	0.42%	5.93%	0.32%	6.25%	5.49%	0.59%	6.08%	0.41%	6.49%	0.24%	6.49%	9.50%
156	Borger	164	152	8.83%	4.00%	12.83%	0.32%	13.15%	8.85%	3.93%	12.78%	0.55%	13.33%	0.18%	13.33%	NO MAX
158	Bovina	11	11	1.07%	-0.93%	0.14%	0.38%	0.52%	1.11%	-0.81%	0.30%	0.52%	0.82%	0.30%	0.82%	7.50%
160	Bowie	84	85	7.21%	2.16%	9.37%	0.35%	9.72%	7.31%	1.84%	9.15%	0.56%	9.71%	-0.01%	9.71%	11.50%
162	Boyd	18	18	3.90%	-0.07%	3.83%	0.00%	3.83%	4.05%	-0.16%	3.89%	0.00%	3.89%	0.06%	3.89%	11.50%
166	Brady	95	97	8.32%	0.92%	9.24%	0.29%	9.53%	8.24%	1.09%	9.33%	0.44%	9.77%	0.24%	9.77%	12.50%
170	Brazoria	25	25	5.98%	-0.16%	5.82%	0.34%	6.16%	6.15%	-0.13%	6.02%	0.48%	6.50%	0.34%	6.50%	11.50%
172	Breckenridge	61	60	4.71%	1.55%	6.26%	0.36%	6.62%	4.79%	1.25%	6.04%	0.46%	6.50%	-0.12%	6.50%	NO MAX
174	Bremond	6	5	6.66%	9.15%	15.81%	0.67%	16.48%	6.60%	9.94%	16.54%	1.12%	17.66%	1.18%	17.66%	NO MAX
176	Brenham	201	198	6.51%	10.13%	16.64%	0.00%	16.64%	6.48%	10.63%	17.11%	0.00%	17.11%	0.47%	17.11%	NO MAX
177	Bridge City	56	55	9.68%	4.31%	13.99%	0.30%	14.29%	9.52%	7.77%	17.29%	0.58%	17.87%	3.58%	17.87%	NO MAX
178	Bridgeport	71	71	9.28%	3.93%	13.21%	0.21%	13.42%	9.22%	3.79%	13.01%	0.32%	13.33%	-0.09%	13.33%	NO MAX
180	Bronte	3	4	2.06%	8.83%	10.89%	0.24%	11.13%	2.34%	6.39%	8.73%	0.42%	9.15%	-1.98%	9.15%	NO MAX
182	Brookshire	42	47	6.95%	2.20%	9.15%	0.14%	9.29%	7.03%	2.36%	9.39%	0.28%	9.67%	0.38%	9.67%	12.50%
184	Brownfield	84	83	5.46%	-1.97%	3.49%	0.00%	3.49%	5.48%	-3.26%	2.22%	0.00%	2.22%	-1.27%	2.22%	NO MAX
186	Brownsboro	8	8	1.70%	9.22%	10.92%	0.34%	11.26%	1.88%	9.88%	11.76%	0.78%	12.54%	1.28%	12.54%	NO MAX
10188	Brownsville	1,076	1,097	10.84%	6.06%	16.90%	0.24%	17.14%	10.85%	6.29%	17.14%	0.33%	17.47%	0.33%	17.47%	NO MAX
20188	Brownsville PUB	575	556	10.32%	6.87%	17.19%	0.27%	17.46%	10.32%	6.92%	17.24%	0.42%	17.66%	0.20%	17.66%	NO MAX
10190	Brownwood	225	220	8.86%	4.25%	13.11%	0.00%	13.11%	8.80%	4.64%	13.44%	0.00%	13.44%	0.33%	13.44%	NO MAX
30190	Brownwood Health Dept.	12	24	7.87%	4.22%	12.09%	0.00%	12.09%	8.51%	2.08%	10.59%	0.00%	10.59%	-1.50%	10.59%	NO MAX
20190	Brownwood Public Library	8	6	5.28%	-1.23%	4.05%	0.00%	4.05%	5.41%	-5.41%	0.00%	0.00%	0.00%	-4.05%	0.00%	11.50%
195	Bruceville-Eddy	12	12	5.78%	-0.69%	5.09%	0.38%	5.47%	5.20%	-0.86%	4.34%	0.55%	4.89%	-0.58%	4.89%	11.50%
192	Bryan	888	897	9.08%	0.10%	9.18%	0.00%	9.18%	9.04%	-0.19%	8.85%	0.00%	8.85%	-0.33%	8.85%	NO MAX
193	Bryson	3	3	6.34%	-6.34%	0.00%	0.00%	0.00%	7.08%	-7.08%	0.00%	0.00%	0.00%	0.00%	0.00%	13.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
		LAST YEAR	THIS YEAR	WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
194	Buda	118	125	12.22%	2.08%	14.30%	0.15%	14.45%	11.90%	2.27%	14.17%	0.26%	14.43%	-0.02%	14.43%	NO MAX
196	Buffalo	18	16	4.65%	-0.54%	4.11%	0.43%	4.54%	4.68%	-0.78%	3.90%	0.72%	4.62%	0.08%	4.62%	11.50%
198	Bullard	26	30	8.22%	5.30%	13.52%	0.19%	13.71%	8.38%	4.26%	12.64%	0.31%	12.95%	-0.76%	12.95%	NO MAX
203	Bulverde	29	30	8.42%	0.77%	9.19%	0.12%	9.31%	8.18%	0.82%	9.00%	0.20%	9.20%	-0.11%	9.20%	NO MAX
199	Bunker Hill Village	7	8	9.47%	1.13%	10.60%	0.26%	10.86%	9.08%	0.84%	9.92%	0.32%	10.24%	-0.62%	10.24%	NO MAX
200	Burkburnett	74	69	7.39%	3.24%	10.63%	0.39%	11.02%	7.47%	2.91%	10.38%	0.59%	10.97%	-0.05%	10.97%	NO MAX
202	Burleson	346	369	11.12%	5.38%	16.50%	0.14%	16.64%	11.14%	5.83%	16.97%	0.23%	17.20%	0.56%	17.20%	NO MAX
204	Burnet	117	112	9.80%	3.42%	13.22%	0.20%	13.42%	9.74%	2.91%	12.65%	0.30%	12.95%	-0.47%	12.95%	13.50%
205	Byers	3	3	2.38%	4.23%	6.61%	0.18%	6.79%	2.36%	4.60%	6.96%	0.40%	7.36%	0.57%	7.36%	NO MAX
207	Cactus	49	48	7.28%	2.15%	9.43%	0.22%	9.65%	7.36%	2.23%	9.59%	0.30%	9.89%	0.24%	9.89%	13.50%
208	Caddo Mills	18	22	5.53%	0.37%	5.90%	0.14%	6.04%	5.28%	0.35%	5.63%	0.23%	5.86%	-0.18%	5.86%	NO MAX
210	Caldwell	61	63	5.77%	1.17%	6.94%	0.45%	7.39%	5.97%	1.00%	6.97%	0.68%	7.65%	0.26%	7.65%	11.50%
211	Callisburg	N/A	1	6.96%	0.16%	7.12%	0.07%	7.19%	6.81%	0.46%	7.27%	0.13%	7.40%	0.21%	7.40%	NO MAX
212	Calvert	13	13	11.19%	2.43%	13.62%	0.29%	13.91%	11.62%	4.31%	15.93%	0.53%	16.46%	2.55%	16.46%	NO MAX
214	Cameron	46	45	5.30%	3.39%	8.69%	0.29%	8.98%	4.96%	2.97%	7.93%	0.37%	8.30%	-0.68%	8.30%	NO MAX
216	Campbell	2	2	1.48%	39.42%	40.90%	0.18%	41.08%	1.48%	40.39%	41.87%	0.40%	42.27%	1.19%	42.27%	NO MAX
220	Canadian	20	20	9.65%	8.41%	18.06%	0.26%	18.32%	9.61%	8.75%	18.36%	0.42%	18.78%	0.46%	18.78%	NO MAX
221	Caney City	3	3	2.08%	-0.37%	1.71%	0.08%	1.79%	1.87%	-0.35%	1.52%	0.17%	1.69%	-0.10%	1.69%	NO MAX
222	Canton	69	73	8.15%	2.70%	10.85%	0.25%	11.10%	8.23%	2.31%	10.54%	0.47%	11.01%	-0.09%	11.01%	NO MAX
224	Canyon	105	116	10.08%	3.43%	13.51%	0.20%	13.71%	10.13%	3.43%	13.56%	0.31%	13.87%	0.16%	13.87%	NO MAX
227	Carmine	2	2	2.81%	-2.81%	0.00%	0.05%	0.05%	2.81%	-2.81%	0.00%	0.12%	0.12%	0.07%	0.12%	7.50%
228	Carrizo Springs	50	48	4.73%	0.44%	5.17%	0.42%	5.59%	4.68%	-0.39%	4.29%	0.60%	4.89%	-0.70%	4.89%	9.50%
230	Carrollton	840	842	8.42%	2.41%	10.83%	0.00%	10.83%	8.41%	2.43%	10.84%	0.00%	10.84%	0.01%	10.84%	NO MAX
232	Carthage	73	73	9.19%	9.34%	18.53%	0.35%	18.88%	9.30%	10.35%	19.65%	0.54%	20.19%	1.31%	20.19%	NO MAX
231	Castle Hills	62	58	8.43%	4.06%	12.49%	0.28%	12.77%	8.37%	3.83%	12.20%	0.42%	12.62%	-0.15%	12.62%	NO MAX
234	Castroville	45	47	7.02%	1.57%	8.59%	0.39%	8.98%	7.10%	1.57%	8.67%	0.58%	9.25%	0.27%	9.25%	11.50%
238	Cedar Hill	338	335	9.90%	4.38%	14.28%	0.16%	14.44%	9.98%	4.82%	14.80%	0.26%	15.06%	0.62%	15.06%	NO MAX
239	Cedar Park	485	484	9.75%	4.83%	14.58%	0.12%	14.70%	9.78%	5.00%	14.78%	0.22%	15.00%	0.30%	15.00%	NO MAX
240	Celeste	5	4	2.62%	1.08%	3.70%	0.37%	4.07%	2.52%	1.05%	3.57%	0.81%	4.38%	0.31%	4.38%	NO MAX
242	Celina	174	196	6.26%	-0.03%	6.23%	0.10%	6.33%	6.30%	-0.01%	6.29%	0.20%	6.49%	0.16%	6.49%	13.50%
244	Center	73	73	9.60%	1.84%	11.44%	0.22%	11.66%	9.74%	0.97%	10.71%	0.37%	11.08%	-0.58%	11.08%	NO MAX
246	Centerville	5	5	6.51%	12.14%	18.65%	0.00%	18.65%	6.58%	8.74%	15.32%	0.00%	15.32%	-3.33%	15.32%	NO MAX
247	Chandler	27	30	4.98%	2.75%	7.73%	0.24%	7.97%	4.93%	2.31%	7.24%	0.41%	7.65%	-0.32%	7.65%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
		LAST YEAR	THIS YEAR	WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
248	Charlotte	8	10	4.76%	-1.91%	2.85%	0.18%	3.03%	4.86%	-2.03%	2.83%	0.33%	3.16%	0.13%	3.16%	9.50%
249	Chester	2	2	5.98%	-5.98%	0.00%	0.75%	0.75%	6.02%	-6.02%	0.00%	1.39%	1.39%	0.64%	1.39%	NO MAX
245	Chico	5	5	2.10%	2.06%	4.16%	1.02%	5.18%	2.10%	2.19%	4.29%	1.30%	5.59%	0.41%	5.59%	NO MAX
250	Childress	55	54	9.30%	7.05%	16.35%	0.41%	16.76%	9.29%	7.68%	16.97%	0.65%	17.62%	0.86%	17.62%	NO MAX
251	Chillicothe	6	6	2.24%	4.09%	6.33%	0.18%	6.51%	2.20%	1.47%	3.67%	0.36%	4.03%	-2.48%	4.03%	NO MAX
253	Chireno	6	8	10.03%	12.34%	22.37%	0.55%	22.92%	9.71%	11.83%	21.54%	0.65%	22.19%	-0.73%	22.19%	NO MAX
254	Christine	1	1	0.76%	-0.76%	0.00%	0.00%	0.00%	1.58%	-1.58%	0.00%	0.00%	0.00%	0.00%	0.00%	NO MAX
255	Cibolo	150	154	10.38%	1.54%	11.92%	0.13%	12.05%	10.16%	1.40%	11.56%	0.23%	11.79%	-0.26%	11.79%	13.50%
256	Cisco	38	38	6.20%	0.23%	6.43%	0.09%	6.52%	6.35%	0.84%	7.19%	0.19%	7.38%	0.86%	7.38%	11.50%
258	Clarendon	13	12	2.42%	-1.10%	1.32%	0.56%	1.88%	2.72%	-1.53%	1.19%	0.96%	2.15%	0.27%	2.15%	9.50%
259	Clarksville	23	19	6.53%	-3.63%	2.90%	0.27%	3.17%	6.47%	-4.47%	2.00%	0.45%	2.45%	-0.72%	2.45%	11.50%
260	Clarksville City	4	5	5.53%	-1.80%	3.73%	0.49%	4.22%	5.59%	-1.81%	3.78%	0.57%	4.35%	0.13%	4.35%	NO MAX
263	Clear Lake Shores	18	17	9.13%	1.53%	10.66%	0.15%	10.81%	9.23%	1.59%	10.82%	0.29%	11.11%	0.30%	11.11%	12.50%
264	Cleburne	290	279	7.92%	8.03%	15.95%	0.33%	16.28%	7.87%	7.93%	15.80%	0.45%	16.25%	-0.03%	16.25%	NO MAX
266	Cleveland	95	94	6.49%	3.75%	10.24%	0.25%	10.49%	6.66%	3.93%	10.59%	0.40%	10.99%	0.50%	10.99%	11.50%
268	Clifton	25	23	2.07%	-0.39%	1.68%	0.36%	2.04%	2.22%	-0.95%	1.27%	0.62%	1.89%	-0.15%	1.89%	7.50%
271	Clute	100	98	10.03%	-0.10%	9.93%	0.20%	10.13%	10.16%	-0.14%	10.02%	0.32%	10.34%	0.21%	10.34%	13.50%
272	Clyde	31	37	10.09%	3.38%	13.47%	0.26%	13.73%	10.10%	3.53%	13.63%	0.38%	14.01%	0.28%	14.01%	13.50%
274	Coahoma	5	5	6.59%	-0.17%	6.42%	0.42%	6.84%	6.60%	-0.34%	6.26%	0.62%	6.88%	0.04%	6.88%	11.50%
276	Cockrell Hill	29	27	9.56%	-0.80%	8.76%	0.26%	9.02%	9.91%	-0.68%	9.23%	0.38%	9.61%	0.59%	9.61%	13.50%
278	Coleman	54	51	9.48%	8.01%	17.49%	0.00%	17.49%	9.57%	8.23%	17.80%	0.00%	17.80%	0.31%	17.80%	NO MAX
280	College Station	912	915	8.57%	4.51%	13.08%	0.00%	13.08%	8.61%	4.04%	12.65%	0.00%	12.65%	-0.43%	12.65%	NO MAX
281	Colleyville	191	184	8.61%	1.16%	9.77%	0.19%	9.96%	8.88%	1.10%	9.98%	0.29%	10.27%	0.31%	10.27%	13.50%
282	Collinsville	7	8	5.80%	0.65%	6.45%	0.33%	6.78%	6.16%	0.40%	6.56%	0.48%	7.04%	0.26%	7.04%	12.50%
283	Colmesneil	4	4	3.74%	5.10%	8.84%	0.08%	8.92%	3.79%	4.39%	8.18%	0.17%	8.35%	-0.57%	8.35%	NO MAX
284	Colorado City	40	41	7.77%	-0.83%	6.94%	0.62%	7.56%	7.78%	-0.89%	6.89%	0.87%	7.76%	0.20%	7.76%	12.50%
286	Columbus	39	36	7.76%	2.27%	10.03%	0.33%	10.36%	7.85%	1.80%	9.65%	0.50%	10.15%	-0.21%	10.15%	NO MAX
288	Comanche	31	30	3.19%	1.63%	4.82%	0.38%	5.20%	3.24%	1.44%	4.68%	0.54%	5.22%	0.02%	5.22%	7.50%
289	Combes	19	18	1.46%	5.07%	6.53%	0.00%	6.53%	1.40%	4.79%	6.19%	0.00%	6.19%	-0.34%	6.19%	NO MAX
290	Commerce	68	77	6.56%	1.10%	7.66%	0.40%	8.06%	6.74%	1.50%	8.24%	0.49%	8.73%	0.67%	8.73%	11.50%
294	Conroe	477	484	10.11%	6.14%	16.25%	0.00%	16.25%	10.16%	6.10%	16.26%	0.00%	16.26%	0.01%	16.26%	NO MAX
295	Converse	168	183	10.07%	3.77%	13.84%	0.16%	14.00%	10.44%	3.83%	14.27%	0.23%	14.50%	0.50%	14.50%	NO MAX
298	Cooper	13	13	3.18%	2.44%	5.62%	0.34%	5.96%	3.17%	2.59%	5.76%	0.58%	6.34%	0.38%	6.34%	8.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
		LAST YEAR	THIS YEAR	WITHOUT MAXIMUM OR PHASE-IN					WITHOUT MAXIMUM OR PHASE-IN							
				RETIREMENT PLAN			SUPPL DEATH	GRAND TOTAL	RETIREMENT PLAN			SUPPL DEATH	GRAND TOTAL			
NORMAL COST	PRIOR SERVICE	TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	NORMAL COST			PRIOR SERVICE	TOTAL						
299	Coppell	389	368	11.37%	4.90%	16.27%	0.16%	16.43%	11.37%	5.18%	16.55%	0.27%	16.82%	0.39%	16.82%	NO MAX
297	Copper Canyon	3	5	9.37%	1.99%	11.36%	0.31%	11.67%	8.74%	0.98%	9.72%	0.49%	10.21%	-1.46%	10.21%	NO MAX
300	Copperas Cove	280	270	8.36%	3.96%	12.32%	0.30%	12.62%	8.40%	4.26%	12.66%	0.41%	13.07%	0.45%	13.07%	NO MAX
301	Corinth	160	158	11.48%	3.55%	15.03%	0.16%	15.19%	11.49%	3.54%	15.03%	0.29%	15.32%	0.13%	15.32%	NO MAX
302	Corpus Christi	2,522	2,571	8.56%	8.46%	17.02%	0.00%	17.02%	8.57%	7.98%	16.55%	0.00%	16.55%	-0.47%	16.55%	NO MAX
304	Corrigan	27	27	3.54%	-0.08%	3.46%	0.35%	3.81%	3.67%	-0.14%	3.53%	0.44%	3.97%	0.16%	3.97%	11.50%
306	Corsicana	153	150	7.72%	6.35%	14.07%	0.34%	14.41%	7.61%	6.55%	14.16%	0.47%	14.63%	0.22%	14.63%	NO MAX
307	Cottonwood Shores	15	18	3.58%	2.08%	5.66%	0.31%	5.97%	3.53%	2.21%	5.74%	0.65%	6.39%	0.42%	6.39%	NO MAX
308	Cotulla	45	45	4.49%	1.46%	5.95%	0.28%	6.23%	4.52%	1.37%	5.89%	0.41%	6.30%	0.07%	6.30%	11.50%
310	Crandall	33	35	10.96%	-0.10%	10.86%	0.17%	11.03%	9.95%	0.20%	10.15%	0.27%	10.42%	-0.61%	10.42%	13.50%
312	Crane	24	25	9.26%	-1.25%	8.01%	0.22%	8.23%	9.18%	-1.27%	7.91%	0.36%	8.27%	0.04%	8.27%	15.50%
314	Crawford	5	5	1.55%	-0.41%	1.14%	0.00%	1.14%	1.48%	-0.40%	1.08%	0.00%	1.08%	-0.06%	1.08%	7.50%
315	Creedmoor	3	3	2.69%	2.80%	5.49%	0.21%	5.70%	2.70%	3.03%	5.73%	0.47%	6.20%	0.50%	6.20%	NO MAX
316	Crockett	55	51	8.96%	5.25%	14.21%	0.52%	14.73%	9.13%	5.26%	14.39%	0.70%	15.09%	0.36%	15.09%	NO MAX
318	Crosbyton	11	10	5.45%	-2.71%	2.74%	1.11%	3.85%	5.21%	-3.56%	1.65%	0.95%	2.60%	-1.25%	2.60%	10.50%
320	Cross Plains	9	8	5.38%	1.88%	7.26%	0.23%	7.49%	5.47%	1.23%	6.70%	0.48%	7.18%	-0.31%	7.18%	9.50%
321	Cross Roads	12	16	7.00%	0.48%	7.48%	0.07%	7.55%	8.19%	-0.12%	8.07%	0.20%	8.27%	0.72%	8.27%	NO MAX
322	Crowell	8	9	1.54%	4.36%	5.90%	0.13%	6.03%	1.78%	3.43%	5.21%	0.34%	5.55%	-0.48%	5.55%	NO MAX
323	Crowley	114	117	8.20%	2.96%	11.16%	0.14%	11.30%	8.33%	3.15%	11.48%	0.24%	11.72%	0.42%	11.72%	12.50%
324	Crystal City	53	50	3.90%	-1.81%	2.09%	0.00%	2.09%	3.85%	-1.96%	1.89%	0.00%	1.89%	-0.20%	1.89%	13.50%
326	Cuero	90	93	6.97%	2.74%	9.71%	0.29%	10.00%	6.99%	2.17%	9.16%	0.47%	9.63%	-0.37%	9.63%	11.50%
328	Cumby	10	10	1.47%	0.42%	1.89%	0.14%	2.03%	2.00%	0.33%	2.33%	0.35%	2.68%	0.65%	2.68%	NO MAX
332	Daingerfield	19	19	5.74%	0.06%	5.80%	0.00%	5.80%	6.38%	0.22%	6.60%	0.00%	6.60%	0.80%	6.60%	9.50%
334	Daisetta	7	6	1.70%	-1.00%	0.70%	0.43%	1.13%	1.79%	-1.17%	0.62%	0.84%	1.46%	0.33%	1.46%	NO MAX
336	Dalhart	64	64	4.77%	-0.54%	4.23%	0.26%	4.49%	4.82%	-0.71%	4.11%	0.42%	4.53%	0.04%	4.53%	11.50%
339	Dalworthington Gardens	27	26	11.05%	10.17%	21.22%	0.16%	21.38%	11.32%	10.61%	21.93%	0.27%	22.20%	0.82%	22.20%	NO MAX
340	Danbury	5	6	4.74%	1.72%	6.46%	0.22%	6.68%	5.83%	-0.21%	5.62%	0.40%	6.02%	-0.66%	6.02%	NO MAX
341	Darrouzett	3	3	3.95%	1.23%	5.18%	0.35%	5.53%	3.96%	0.97%	4.93%	0.78%	5.71%	0.18%	5.71%	NO MAX
344	Dayton	100	101	5.44%	0.84%	6.28%	0.17%	6.45%	5.46%	0.62%	6.08%	0.29%	6.37%	-0.08%	6.37%	13.50%
352	De Leon	13	14	3.42%	1.26%	4.68%	0.46%	5.14%	2.86%	1.17%	4.03%	0.63%	4.66%	-0.48%	4.66%	9.50%
10366	DeSoto	340	360	9.16%	1.97%	11.13%	0.21%	11.34%	9.14%	1.69%	10.83%	0.33%	11.16%	-0.18%	11.16%	NO MAX
346	Decatur	106	121	10.17%	3.87%	14.04%	0.22%	14.26%	10.16%	4.01%	14.17%	0.36%	14.53%	0.27%	14.53%	NO MAX
348	Deer Park	316	316	10.45%	3.25%	13.70%	0.22%	13.92%	10.39%	2.83%	13.22%	0.35%	13.57%	-0.35%	13.57%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
		LAST YEAR	THIS YEAR	WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
350	Dekalb	12	13	3.44%	-0.71%	2.73%	0.26%	2.99%	3.35%	-0.95%	2.40%	0.37%	2.77%	-0.22%	2.77%	9.50%
354	Del Rio	512	497	3.41%	3.69%	7.10%	0.24%	7.34%	3.41%	3.57%	6.98%	0.39%	7.37%	0.03%	7.37%	NO MAX
353	Dell City	1	1	4.75%	12.44%	17.19%	0.83%	18.02%	4.75%	12.53%	17.28%	0.94%	18.22%	0.20%	18.22%	NO MAX
356	Denison	247	238	8.16%	3.18%	11.34%	0.00%	11.34%	8.26%	2.39%	10.65%	0.00%	10.65%	-0.69%	10.65%	NO MAX
358	Denton	1,293	1,323	10.43%	7.04%	17.47%	0.18%	17.65%	10.44%	7.43%	17.87%	0.28%	18.15%	0.50%	18.15%	NO MAX
360	Denver City	30	32	6.73%	0.85%	7.58%	0.32%	7.90%	6.77%	-0.28%	6.49%	0.45%	6.94%	-0.96%	6.94%	NO MAX
362	Deport	4	3	2.01%	0.22%	2.23%	0.50%	2.73%	2.41%	0.40%	2.81%	1.22%	4.03%	1.30%	4.03%	NO MAX
370	Devine	40	37	6.24%	11.09%	17.33%	0.24%	17.57%	6.26%	11.10%	17.36%	0.41%	17.77%	0.20%	17.77%	NO MAX
371	Diboll	38	38	10.33%	4.43%	14.76%	0.31%	15.07%	11.04%	3.59%	14.63%	0.42%	15.05%	-0.02%	15.05%	NO MAX
372	Dickens	2	2	2.91%	-0.51%	2.40%	0.06%	2.46%	2.91%	-0.93%	1.98%	0.14%	2.12%	-0.34%	2.12%	NO MAX
373	Dickinson	99	117	7.70%	1.91%	9.61%	0.19%	9.80%	8.74%	1.44%	10.18%	0.26%	10.44%	0.64%	10.44%	13.50%
374	Dilley	38	36	6.58%	2.55%	9.13%	0.24%	9.37%	6.06%	1.75%	7.81%	0.32%	8.13%	-1.24%	8.13%	12.50%
376	Dimmitt	26	25	6.87%	-2.56%	4.31%	0.00%	4.31%	6.94%	-2.94%	4.00%	0.00%	4.00%	-0.31%	4.00%	12.50%
382	Donna	144	149	7.29%	3.74%	11.03%	0.00%	11.03%	7.37%	3.54%	10.91%	0.00%	10.91%	-0.12%	10.91%	13.50%
379	Double Oak	10	11	6.81%	0.97%	7.78%	0.32%	8.10%	7.18%	1.14%	8.32%	0.47%	8.79%	0.69%	8.79%	NO MAX
383	Dripping Springs	35	40	5.23%	0.57%	5.80%	0.12%	5.92%	5.41%	0.46%	5.87%	0.19%	6.06%	0.14%	6.06%	NO MAX
385	Driscoll	4	8	2.09%	-0.14%	1.95%	0.65%	2.60%	1.74%	-0.13%	1.61%	0.57%	2.18%	-0.42%	2.18%	NO MAX
384	Dublin	35	32	9.12%	2.41%	11.53%	0.22%	11.75%	9.17%	3.57%	12.74%	0.32%	13.06%	1.31%	13.06%	NO MAX
386	Dumas	113	113	8.24%	4.75%	12.99%	0.23%	13.22%	8.08%	5.02%	13.10%	0.36%	13.46%	0.24%	13.46%	NO MAX
388	Duncanville	261	262	5.13%	1.54%	6.67%	0.00%	6.67%	5.15%	1.04%	6.19%	0.00%	6.19%	-0.48%	6.19%	NO MAX
394	Eagle Lake	25	23	8.02%	1.32%	9.34%	0.44%	9.78%	8.05%	1.41%	9.46%	0.77%	10.23%	0.45%	10.23%	12.50%
396	Eagle Pass	425	422	6.67%	1.94%	8.61%	0.26%	8.87%	6.68%	2.14%	8.82%	0.36%	9.18%	0.31%	9.18%	11.50%
397	Early	33	35	3.90%	-0.02%	3.88%	0.19%	4.07%	3.90%	-0.53%	3.37%	0.29%	3.66%	-0.41%	3.66%	9.50%
399	Earth	7	7	1.91%	2.76%	4.67%	0.31%	4.98%	1.93%	2.26%	4.19%	0.43%	4.62%	-0.36%	4.62%	NO MAX
393	East Bernard	5	5	3.47%	1.68%	5.15%	0.17%	5.32%	3.46%	1.71%	5.17%	0.32%	5.49%	0.17%	5.49%	NO MAX
401	East Mountain	2	2	12.09%	-0.79%	11.30%	0.26%	11.56%	12.18%	-1.54%	10.64%	0.47%	11.11%	-0.45%	11.11%	NO MAX
395	East Tawakoni	11	12	6.35%	-0.50%	5.85%	0.32%	6.17%	6.16%	-0.53%	5.63%	0.47%	6.10%	-0.07%	6.10%	NO MAX
398	Eastland	40	41	7.25%	1.72%	8.97%	0.34%	9.31%	7.33%	1.13%	8.46%	0.49%	8.95%	-0.36%	8.95%	11.50%
402	Ector	4	4	1.85%	-0.26%	1.59%	0.28%	1.87%	2.02%	-0.34%	1.68%	0.62%	2.30%	0.43%	2.30%	NO MAX
406	Eden	9	9	3.68%	-1.02%	2.66%	0.50%	3.16%	3.74%	-0.55%	3.19%	0.71%	3.90%	0.74%	3.90%	7.50%
408	Edgewood	11	11	4.45%	1.35%	5.80%	0.45%	6.25%	4.52%	1.29%	5.81%	0.68%	6.49%	0.24%	6.49%	NO MAX
410	Edinburg	878	940	8.80%	5.66%	14.46%	0.17%	14.63%	8.79%	5.74%	14.53%	0.25%	14.78%	0.15%	14.78%	NO MAX
412	Edna	31	35	6.41%	4.21%	10.62%	0.48%	11.10%	6.60%	3.77%	10.37%	0.64%	11.01%	-0.09%	11.01%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members LAST YEAR THIS YEAR		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPL DEATH	GRAND TOTAL			
414	El Campo	116	117	7.05%	6.68%	13.73%	0.26%	13.99%	7.11%	6.92%	14.03%	0.39%	14.42%	0.43%	14.42%	NO MAX
416	Eldorado	17	17	5.21%	2.42%	7.63%	0.80%	8.43%	5.19%	3.53%	8.72%	1.11%	9.83%	1.40%	9.83%	10.50%
418	Electra	28	28	1.37%	0.41%	1.78%	0.48%	2.26%	1.49%	-0.03%	1.46%	0.69%	2.15%	-0.11%	2.15%	7.50%
420	Elgin	90	88	9.98%	3.28%	13.26%	0.26%	13.52%	9.86%	2.54%	12.40%	0.38%	12.78%	-0.74%	12.78%	NO MAX
422	Elkhart	8	8	3.99%	-0.04%	3.95%	0.00%	3.95%	3.60%	-0.20%	3.40%	0.00%	3.40%	-0.55%	3.40%	NO MAX
427	Elmendorf	13	14	1.20%	-0.04%	1.16%	0.07%	1.23%	1.30%	-0.02%	1.28%	0.19%	1.47%	0.24%	1.47%	NO MAX
432	Emory	24	25	6.43%	0.32%	6.75%	0.25%	7.00%	6.60%	0.12%	6.72%	0.64%	7.36%	0.36%	7.36%	13.50%
436	Ennis	190	190	12.02%	4.75%	16.77%	0.24%	17.01%	12.08%	5.29%	17.37%	0.35%	17.72%	0.71%	17.72%	NO MAX
437	Escobares	3	2	1.63%	3.79%	5.42%	0.08%	5.50%	1.28%	5.04%	6.32%	0.11%	6.43%	0.93%	6.43%	NO MAX
439	Eules	373	378	11.45%	6.19%	17.64%	0.00%	17.64%	11.42%	6.29%	17.71%	0.00%	17.71%	0.07%	17.71%	NO MAX
440	Eustace	10	10	6.40%	4.31%	10.71%	0.29%	11.00%	6.87%	3.08%	9.95%	0.46%	10.41%	-0.59%	10.41%	13.50%
441	Everman	49	50	7.08%	0.69%	7.77%	0.20%	7.97%	6.91%	1.07%	7.98%	0.27%	8.25%	0.28%	8.25%	11.50%
443	Fair Oaks Ranch	65	65	10.31%	1.36%	11.67%	0.14%	11.81%	10.09%	1.63%	11.72%	0.24%	11.96%	0.15%	11.96%	13.50%
442	Fairfield	40	37	7.64%	-0.57%	7.07%	0.30%	7.37%	7.50%	-0.66%	6.84%	0.48%	7.32%	-0.05%	7.32%	13.50%
445	Fairview	75	75	9.38%	1.71%	11.09%	0.13%	11.22%	9.36%	1.77%	11.13%	0.27%	11.40%	0.18%	11.40%	NO MAX
20444	Falfurrias	33	43	2.42%	-0.05%	2.37%	0.36%	2.73%	2.45%	-0.24%	2.21%	0.37%	2.58%	-0.15%	2.58%	9.50%
446	Falls City	4	4	5.09%	2.24%	7.33%	0.16%	7.49%	5.08%	2.17%	7.25%	0.36%	7.61%	0.12%	7.61%	NO MAX
448	Farmers Branch	402	398	10.16%	8.39%	18.55%	0.09%	18.64%	10.18%	8.78%	18.96%	0.19%	19.15%	0.51%	19.15%	NO MAX
450	Farmersville	36	33	6.96%	1.57%	8.53%	0.23%	8.76%	6.85%	1.87%	8.72%	0.37%	9.09%	0.33%	9.09%	NO MAX
451	Farwell	7	5	11.94%	3.96%	15.90%	0.15%	16.05%	12.38%	4.26%	16.64%	0.30%	16.94%	0.89%	16.94%	NO MAX
452	Fate	62	67	10.10%	0.12%	10.22%	0.09%	10.31%	10.00%	0.09%	10.09%	0.17%	10.26%	-0.05%	10.26%	NO MAX
454	Fayetteville	4	2	1.96%	1.38%	3.34%	0.00%	3.34%	1.60%	0.57%	2.17%	0.00%	2.17%	-1.17%	2.17%	NO MAX
456	Ferris	45	47	5.45%	-0.02%	5.43%	0.30%	5.73%	5.56%	0.01%	5.57%	0.39%	5.96%	0.23%	5.96%	9.50%
458	Flatonia	19	16	10.65%	3.82%	14.47%	0.27%	14.74%	10.78%	2.60%	13.38%	0.48%	13.86%	-0.88%	13.86%	NO MAX
460	Florence	12	13	4.51%	-0.15%	4.36%	0.14%	4.50%	4.57%	-0.10%	4.47%	0.25%	4.72%	0.22%	4.72%	NO MAX
20462	Floresville	55	59	6.69%	2.17%	8.86%	0.00%	8.86%	6.67%	2.66%	9.33%	0.00%	9.33%	0.47%	9.33%	11.50%
463	Flower Mound	630	616	8.00%	3.19%	11.19%	0.12%	11.31%	7.95%	3.07%	11.02%	0.23%	11.25%	-0.06%	11.25%	13.50%
464	Floydada	21	24	6.74%	3.52%	10.26%	0.38%	10.64%	6.85%	3.23%	10.08%	0.46%	10.54%	-0.10%	10.54%	NO MAX
465	Follett	4	2	1.29%	7.86%	9.15%	0.15%	9.30%	1.63%	17.48%	19.11%	0.13%	19.24%	9.94%	19.24%	NO MAX
468	Forest Hill	82	79	10.50%	2.61%	13.11%	0.15%	13.26%	10.28%	2.83%	13.11%	0.27%	13.38%	0.12%	13.38%	13.50%
470	Forney	157	176	11.23%	2.99%	14.22%	0.10%	14.32%	11.32%	2.96%	14.28%	0.20%	14.48%	0.16%	14.48%	NO MAX
472	Fort Stockton	127	122	6.31%	3.06%	9.37%	0.35%	9.72%	6.23%	3.23%	9.46%	0.60%	10.06%	0.34%	10.06%	11.50%
476	Franklin	14	13	3.47%	-0.21%	3.26%	0.00%	3.26%	3.92%	-0.34%	3.58%	0.00%	3.58%	0.32%	3.58%	11.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN					WITHOUT MAXIMUM OR PHASE-IN							
		LAST YEAR	THIS YEAR	RETIREMENT PLAN			SUPPL DEATH	GRAND TOTAL	RETIREMENT PLAN			SUPPL DEATH	GRAND TOTAL			
		NORMAL COST	PRIOR SERVICE	TOTAL	NORMAL COST	PRIOR SERVICE			TOTAL							
478	Frankston	12	12	1.56%	-0.10%	1.46%	0.22%	1.68%	1.51%	-0.13%	1.38%	0.36%	1.74%	0.06%	1.74%	NO MAX
480	Fredericksburg	171	171	10.13%	12.15%	22.28%	0.25%	22.53%	10.29%	11.83%	22.12%	0.38%	22.50%	-0.03%	22.50%	NO MAX
482	Freeport	130	128	9.48%	4.61%	14.09%	0.19%	14.28%	9.53%	4.60%	14.13%	0.27%	14.40%	0.12%	14.40%	NO MAX
481	Freer	16	17	3.42%	3.58%	7.00%	0.52%	7.52%	3.26%	2.98%	6.24%	0.78%	7.02%	-0.50%	7.02%	NO MAX
483	Friendswood	218	216	11.07%	5.20%	16.27%	0.17%	16.44%	11.11%	5.22%	16.33%	0.30%	16.63%	0.19%	16.63%	NO MAX
484	Friona	24	23	6.39%	2.35%	8.74%	0.30%	9.04%	6.34%	2.58%	8.92%	0.40%	9.32%	0.28%	9.32%	NO MAX
486	Frisco	1,252	1,242	11.47%	2.78%	14.25%	0.11%	14.36%	11.44%	2.68%	14.12%	0.21%	14.33%	-0.03%	14.33%	NO MAX
487	Fritch	20	22	8.32%	-4.66%	3.66%	0.34%	4.00%	8.94%	-3.87%	5.07%	0.55%	5.62%	1.62%	5.24%	13.50%
488	Frost	3	2	3.11%	4.32%	7.43%	0.00%	7.43%	3.02%	6.70%	9.72%	0.00%	9.72%	2.29%	9.72%	7.50%
491	Fulshear	62	66	6.72%	0.45%	7.17%	0.09%	7.26%	6.73%	0.45%	7.18%	0.20%	7.38%	0.12%	7.38%	NO MAX
493	Fulton	6	6	6.17%	15.23%	21.40%	0.36%	21.76%	6.14%	-0.03%	6.11%	0.47%	6.58%	-15.18%	6.58%	NO MAX
492	Gainesville	214	216	5.37%	6.34%	11.71%	0.29%	12.00%	5.46%	5.19%	10.65%	0.39%	11.04%	-0.96%	11.04%	NO MAX
494	Galena Park	85	69	8.78%	1.50%	10.28%	0.30%	10.58%	9.32%	0.93%	10.25%	0.45%	10.70%	0.12%	10.70%	NO MAX
498	Ganado	9	10	12.58%	-0.30%	12.28%	0.56%	12.84%	12.33%	-0.54%	11.79%	0.78%	12.57%	-0.27%	12.57%	NO MAX
499	Garden Ridge	26	27	6.06%	1.58%	7.64%	0.27%	7.91%	5.95%	1.24%	7.19%	0.48%	7.67%	-0.24%	7.67%	11.50%
500	Garland	2,050	2,082	8.61%	2.72%	11.33%	0.24%	11.57%	8.57%	2.26%	10.83%	0.38%	11.21%	-0.36%	11.21%	NO MAX
501	Garrett	N/A	7	1.68%	3.61%	5.29%	0.10%	5.39%	1.71%	3.07%	4.78%	0.20%	4.98%	-0.41%	4.98%	NO MAX
502	Garrison	6	5	10.96%	-3.27%	7.69%	0.17%	7.86%	10.92%	-4.56%	6.36%	0.34%	6.70%	-1.16%	6.70%	NO MAX
503	Gary	4	4	3.45%	1.91%	5.36%	0.00%	5.36%	3.45%	2.41%	5.86%	0.00%	5.86%	0.50%	5.86%	7.50%
504	Gatesville	81	85	9.60%	4.39%	13.99%	0.25%	14.24%	9.87%	4.75%	14.62%	0.37%	14.99%	0.75%	14.99%	NO MAX
505	George West	34	34	4.36%	0.96%	5.32%	0.20%	5.52%	4.29%	0.94%	5.23%	0.35%	5.58%	0.06%	5.58%	NO MAX
506	Georgetown	708	734	9.42%	3.06%	12.48%	0.12%	12.60%	9.41%	2.80%	12.21%	0.21%	12.42%	-0.18%	12.42%	13.50%
510	Giddings	64	70	9.21%	7.85%	17.06%	0.37%	17.43%	9.18%	8.54%	17.72%	0.51%	18.23%	0.80%	18.23%	NO MAX
512	Gilmer	48	50	8.70%	4.07%	12.77%	0.28%	13.05%	8.65%	4.56%	13.21%	0.41%	13.62%	0.57%	13.62%	NO MAX
514	Gladewater	62	55	7.31%	0.79%	8.10%	0.24%	8.34%	7.45%	0.16%	7.61%	0.34%	7.95%	-0.39%	7.95%	11.50%
516	Glen Rose	20	19	10.93%	2.93%	13.86%	0.33%	14.19%	11.18%	3.31%	14.49%	0.50%	14.99%	0.80%	14.99%	NO MAX
517	Glenn Heights	73	79	4.66%	-1.50%	3.16%	0.13%	3.29%	4.97%	-1.64%	3.33%	0.24%	3.57%	0.28%	3.57%	12.50%
518	Godley	12	13	1.79%	0.65%	2.44%	0.29%	2.73%	1.61%	0.51%	2.12%	0.33%	2.45%	-0.28%	2.45%	8.50%
519	Goldsmith	5	5	1.35%	-0.02%	1.33%	0.30%	1.63%	1.22%	-0.08%	1.14%	0.65%	1.79%	0.16%	1.79%	7.50%
520	Goldthwaite	11	12	10.73%	13.14%	23.87%	0.27%	24.14%	10.72%	14.11%	24.83%	0.45%	25.28%	1.14%	25.28%	NO MAX
522	Goliad	16	16	6.76%	-1.05%	5.71%	0.30%	6.01%	6.24%	-1.04%	5.20%	0.42%	5.62%	-0.39%	5.62%	NO MAX
524	Gonzales	99	99	6.19%	3.72%	9.91%	0.32%	10.23%	6.13%	3.24%	9.37%	0.39%	9.76%	-0.47%	9.76%	NO MAX
527	Gordon	4	4	1.60%	0.74%	2.34%	0.07%	2.41%	1.89%	0.52%	2.41%	0.15%	2.56%	0.15%	2.56%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
		LAST YEAR	THIS YEAR	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
530	Gorman	7	8	1.89%	6.53%	8.42%	0.23%	8.65%	2.11%	6.73%	8.84%	0.41%	9.25%	0.60%	9.25%	NO MAX
532	Graford	3	2	1.85%	0.80%	2.65%	0.19%	2.84%	2.07%	-0.04%	2.03%	0.37%	2.40%	-0.44%	2.40%	NO MAX
10534	Graham	83	80	6.71%	3.90%	10.61%	0.44%	11.05%	6.66%	3.58%	10.24%	0.63%	10.87%	-0.18%	10.87%	NO MAX
536	Granbury	178	183	9.89%	6.72%	16.61%	0.24%	16.85%	10.04%	6.97%	17.01%	0.39%	17.40%	0.55%	17.40%	NO MAX
540	Grand Prairie	1,372	1,380	11.07%	5.96%	17.03%	0.20%	17.23%	11.17%	6.25%	17.42%	0.31%	17.73%	0.50%	17.73%	NO MAX
542	Grand Saline	27	26	7.67%	0.75%	8.42%	0.31%	8.73%	7.77%	1.03%	8.80%	0.38%	9.18%	0.45%	9.18%	11.50%
544	Grandview	17	20	10.52%	-0.01%	10.51%	0.00%	10.51%	10.09%	1.57%	11.66%	0.00%	11.66%	1.15%	11.66%	13.50%
546	Granger	11	12	7.80%	-0.60%	7.20%	0.00%	7.20%	7.78%	-0.47%	7.31%	0.00%	7.31%	0.11%	7.31%	13.50%
547	Granite Shoals	41	40	4.38%	-0.07%	4.31%	0.26%	4.57%	4.40%	-0.10%	4.30%	0.30%	4.60%	0.03%	4.60%	NO MAX
548	Grapeland	13	11	3.41%	0.37%	3.78%	0.00%	3.78%	3.46%	-0.06%	3.40%	0.00%	3.40%	-0.38%	3.40%	7.50%
550	Grapevine	592	572	11.72%	6.82%	18.54%	0.00%	18.54%	11.86%	7.12%	18.98%	0.00%	18.98%	0.44%	18.98%	NO MAX
552	Greenville	330	336	7.52%	4.00%	11.52%	0.28%	11.80%	7.56%	3.02%	10.58%	0.42%	11.00%	-0.80%	11.00%	NO MAX
551	Gregory	13	15	5.92%	-1.49%	4.43%	0.27%	4.70%	5.81%	-1.47%	4.34%	0.45%	4.79%	0.09%	4.79%	9.50%
553	Grey Forest	35	35	9.53%	6.42%	15.95%	0.21%	16.16%	9.88%	6.62%	16.50%	0.36%	16.86%	0.70%	16.86%	NO MAX
556	Groesbeck	31	34	1.19%	1.35%	2.54%	0.29%	2.83%	1.11%	1.17%	2.28%	0.41%	2.69%	-0.14%	2.69%	NO MAX
558	Groom	4	4	3.21%	-0.11%	3.10%	0.00%	3.10%	3.16%	-0.10%	3.06%	0.00%	3.06%	-0.04%	3.06%	7.50%
559	Groves	98	98	7.08%	2.13%	9.21%	0.00%	9.21%	6.96%	0.68%	7.64%	0.00%	7.64%	-1.57%	7.64%	NO MAX
560	Groveton	9	7	1.96%	-0.07%	1.89%	0.67%	2.56%	1.67%	-0.49%	1.18%	0.99%	2.17%	-0.39%	2.17%	7.50%
562	Gruver	5	5	8.39%	6.02%	14.41%	0.00%	14.41%	8.39%	2.96%	11.35%	0.00%	11.35%	-3.06%	11.35%	NO MAX
563	Gun Barrel City	45	47	8.61%	1.29%	9.90%	0.23%	10.13%	8.52%	1.52%	10.04%	0.36%	10.40%	0.27%	10.40%	13.50%
564	Gunter	11	14	12.23%	1.31%	13.54%	0.16%	13.70%	12.51%	2.07%	14.58%	0.24%	14.82%	1.12%	14.82%	NO MAX
568	Hale Center	11	12	4.13%	0.86%	4.99%	0.15%	5.14%	4.25%	0.98%	5.23%	0.26%	5.49%	0.35%	5.49%	NO MAX
570	Hallettsville	35	33	7.12%	5.18%	12.30%	0.39%	12.69%	7.11%	5.66%	12.77%	0.58%	13.35%	0.66%	13.35%	NO MAX
572	Hallsville	19	19	4.18%	1.52%	5.70%	0.20%	5.90%	4.62%	1.42%	6.04%	0.44%	6.48%	0.58%	6.48%	NO MAX
574	Haltom City	266	261	10.50%	8.17%	18.67%	0.23%	18.90%	10.62%	8.50%	19.12%	0.35%	19.47%	0.57%	19.47%	NO MAX
576	Hamilton	28	29	9.11%	5.18%	14.29%	0.40%	14.69%	9.42%	5.56%	14.98%	0.61%	15.59%	0.90%	15.59%	NO MAX
578	Hamlin	18	17	3.59%	0.73%	4.32%	0.63%	4.95%	3.61%	1.27%	4.88%	0.92%	5.80%	0.85%	5.80%	NO MAX
580	Happy	2	2	8.52%	-2.35%	6.17%	0.31%	6.48%	8.52%	-2.37%	6.15%	0.51%	6.66%	0.18%	6.66%	NO MAX
581	Harker Heights	220	215	10.04%	4.59%	14.63%	0.15%	14.78%	10.13%	5.09%	15.22%	0.26%	15.48%	0.70%	15.48%	NO MAX
10582	Harlingen	142	498	6.31%	2.47%	8.78%	0.34%	9.12%	6.42%	1.96%	8.38%	0.46%	8.84%	-0.28%	8.84%	15.50%
20582	Harlingen Waterworks Sys	103	141	5.95%	3.40%	9.35%	0.41%	9.76%	5.80%	3.60%	9.40%	0.57%	9.97%	0.21%	9.97%	13.50%
583	Hart	4	4	1.11%	2.90%	4.01%	0.00%	4.01%	1.11%	3.27%	4.38%	0.00%	4.38%	0.37%	4.38%	NO MAX
586	Haskell	18	26	2.01%	-2.01%	0.00%	0.32%	0.32%	1.81%	-1.81%	0.00%	0.47%	0.47%	0.15%	0.47%	9.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN					WITHOUT MAXIMUM OR PHASE-IN							
		LAST YEAR	THIS YEAR	RETIREMENT PLAN			SUPPL DEATH	GRAND TOTAL	RETIREMENT PLAN			SUPPL DEATH	GRAND TOTAL			
		NORMAL COST	PRIOR SERVICE	TOTAL	NORMAL COST	PRIOR SERVICE			TOTAL							
587	Haslet	28	27	9.21%	0.37%	9.58%	0.16%	9.74%	8.06%	0.22%	8.28%	0.35%	8.63%	-1.11%	8.63%	15.50%
588	Hawkins	9	11	8.70%	-2.17%	6.53%	0.28%	6.81%	8.69%	-2.05%	6.64%	0.56%	7.20%	0.39%	7.20%	NO MAX
585	Hays	1	1	9.94%	0.79%	10.73%	0.70%	11.43%	9.94%	0.72%	10.66%	0.96%	11.62%	0.19%	11.62%	NO MAX
590	Hearne	54	51	8.98%	5.87%	14.85%	0.35%	15.20%	9.44%	4.79%	14.23%	0.53%	14.76%	-0.44%	14.76%	NO MAX
591	Heath	57	58	9.90%	2.42%	12.32%	0.14%	12.46%	9.56%	2.25%	11.81%	0.24%	12.05%	-0.41%	12.05%	13.50%
592	Hedley	1	1	5.52%	-1.70%	3.82%	1.71%	5.53%	5.52%	-2.93%	2.59%	1.76%	4.35%	-1.18%	4.35%	11.50%
595	Hedwig Village	28	28	6.37%	2.03%	8.40%	0.23%	8.63%	6.02%	1.92%	7.94%	0.36%	8.30%	-0.33%	8.30%	NO MAX
593	Helotes	67	68	5.91%	1.33%	7.24%	0.13%	7.37%	5.69%	1.07%	6.76%	0.23%	6.99%	-0.38%	6.99%	13.50%
594	Hemphill	22	23	4.83%	3.09%	7.92%	0.42%	8.34%	4.75%	2.39%	7.14%	0.65%	7.79%	-0.55%	7.79%	11.50%
596	Hempstead	67	74	6.07%	1.63%	7.70%	0.26%	7.96%	5.90%	1.04%	6.94%	0.41%	7.35%	-0.61%	7.35%	NO MAX
598	Henderson	131	138	10.14%	6.21%	16.35%	0.21%	16.56%	10.10%	6.21%	16.31%	0.32%	16.63%	0.07%	16.63%	NO MAX
600	Henrietta	17	17	10.04%	5.33%	15.37%	0.32%	15.69%	9.86%	4.50%	14.36%	0.52%	14.88%	-0.81%	14.88%	NO MAX
602	Hereford	96	95	6.37%	3.04%	9.41%	0.29%	9.70%	6.33%	3.10%	9.43%	0.38%	9.81%	0.11%	9.81%	11.50%
605	Hewitt	94	95	11.14%	4.44%	15.58%	0.15%	15.73%	11.24%	4.81%	16.05%	0.23%	16.28%	0.55%	16.28%	NO MAX
609	Hickory Creek	22	23	10.47%	4.13%	14.60%	0.11%	14.71%	10.91%	4.42%	15.33%	0.18%	15.51%	0.80%	15.51%	NO MAX
606	Hico	13	12	8.48%	0.52%	9.00%	0.45%	9.45%	8.90%	-0.12%	8.78%	0.64%	9.42%	-0.03%	9.42%	13.50%
607	Hidalgo	139	142	8.87%	3.41%	12.28%	0.00%	12.28%	8.90%	2.80%	11.70%	0.00%	11.70%	-0.58%	11.70%	13.50%
608	Higgins	3	2	4.27%	-0.42%	3.85%	0.39%	4.24%	3.98%	-0.39%	3.59%	0.95%	4.54%	0.30%	4.54%	NO MAX
610	Highland Park	120	124	6.13%	2.85%	8.98%	0.00%	8.98%	6.10%	2.38%	8.48%	0.00%	8.48%	-0.50%	8.48%	NO MAX
611	Highland Village	153	149	10.80%	3.01%	13.81%	0.17%	13.98%	10.79%	2.96%	13.75%	0.29%	14.04%	0.06%	14.04%	NO MAX
613	Hill Country Village	15	15	4.39%	-0.35%	4.04%	0.13%	4.17%	4.62%	-0.31%	4.31%	0.26%	4.57%	0.40%	4.57%	11.50%
612	Hillsboro	97	94	6.06%	5.54%	11.60%	0.00%	11.60%	6.22%	6.20%	12.42%	0.00%	12.42%	0.82%	12.42%	NO MAX
619	Hilshire Village	2	2	5.33%	2.37%	7.70%	0.24%	7.94%	5.31%	0.93%	6.24%	0.45%	6.69%	-1.25%	6.69%	NO MAX
614	Hitchcock	38	44	6.31%	0.27%	6.58%	0.19%	6.77%	6.41%	-0.20%	6.21%	0.36%	6.57%	-0.20%	6.57%	12.50%
615	Holland	5	8	5.86%	-1.40%	4.46%	0.99%	5.45%	5.58%	-1.70%	3.88%	0.92%	4.80%	-0.65%	4.80%	10.50%
616	Holliday	9	9	4.13%	7.59%	11.72%	0.00%	11.72%	4.14%	7.97%	12.11%	0.00%	12.11%	0.39%	12.11%	NO MAX
617	Hollywood Park	38	39	6.74%	1.97%	8.71%	0.22%	8.93%	6.76%	2.39%	9.15%	0.34%	9.49%	0.56%	9.49%	10.50%
618	Hondo	109	106	6.46%	1.32%	7.78%	0.22%	8.00%	6.40%	1.01%	7.41%	0.35%	7.76%	-0.24%	7.76%	11.50%
620	Honey Grove	11	13	5.99%	0.11%	6.10%	0.46%	6.56%	5.82%	-0.17%	5.65%	0.46%	6.11%	-0.45%	6.11%	9.50%
622	Hooks	13	13	7.73%	6.46%	14.19%	0.18%	14.37%	7.49%	6.11%	13.60%	0.28%	13.88%	-0.49%	13.88%	NO MAX
623	Horizon City	76	76	2.72%	2.90%	5.62%	0.10%	5.72%	2.77%	2.79%	5.56%	0.19%	5.75%	0.03%	5.75%	NO MAX
626	Howe	19	17	5.67%	-0.34%	5.33%	0.41%	5.74%	5.82%	-0.50%	5.32%	0.56%	5.88%	0.14%	5.88%	11.50%
627	Hubbard	11	12	2.97%	-0.16%	2.81%	0.17%	2.98%	3.08%	-0.13%	2.95%	0.25%	3.20%	0.22%	3.20%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members LAST YEAR THIS YEAR		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
628	Hudson	12	11	3.90%	0.35%	4.25%	0.21%	4.46%	3.87%	0.08%	3.95%	0.42%	4.37%	-0.09%	4.37%	NO MAX
629	Hudson Oaks	24	22	10.45%	1.40%	11.85%	0.13%	11.98%	10.42%	1.90%	12.32%	0.23%	12.55%	0.57%	12.55%	13.50%
630	Hughes Springs	14	14	10.46%	-2.59%	7.87%	0.23%	8.10%	10.46%	-2.36%	8.10%	0.45%	8.55%	0.45%	8.55%	NO MAX
632	Humble	203	205	9.37%	3.64%	13.01%	0.17%	13.18%	9.39%	3.79%	13.18%	0.29%	13.47%	0.29%	13.47%	NO MAX
633	Hunters Creek Village	7	7	9.93%	8.07%	18.00%	0.47%	18.47%	10.00%	9.80%	19.80%	0.67%	20.47%	2.00%	20.47%	NO MAX
634	Huntington	20	21	10.55%	4.82%	15.37%	0.26%	15.63%	11.00%	4.06%	15.06%	0.44%	15.50%	-0.13%	15.50%	NO MAX
636	Huntsville	267	272	8.49%	11.04%	19.53%	0.26%	19.79%	8.42%	10.95%	19.37%	0.40%	19.77%	-0.02%	19.77%	NO MAX
637	Hurst	357	342	8.26%	3.74%	12.00%	0.00%	12.00%	8.25%	3.20%	11.45%	0.00%	11.45%	-0.55%	11.45%	NO MAX
638	Hutchins	72	76	7.96%	-0.31%	7.65%	0.12%	7.77%	8.00%	-0.42%	7.58%	0.21%	7.79%	0.02%	7.79%	13.50%
640	Hutto	115	109	11.85%	-0.13%	11.72%	0.11%	11.83%	12.42%	-0.34%	12.08%	0.25%	12.33%	0.50%	12.33%	NO MAX
641	Huxley	9	9	3.89%	-0.21%	3.68%	0.37%	4.05%	3.90%	-1.12%	2.78%	0.51%	3.29%	-0.76%	3.29%	11.50%
642	Idalou	14	16	4.17%	-0.06%	4.11%	0.06%	4.17%	4.32%	-0.12%	4.20%	0.14%	4.34%	0.17%	4.34%	NO MAX
643	Ingleside	100	96	7.66%	-0.13%	7.53%	0.28%	7.81%	7.49%	-0.33%	7.16%	0.39%	7.55%	-0.26%	7.55%	11.50%
646	Ingram	14	13	6.15%	0.92%	7.07%	0.00%	7.07%	6.21%	-0.24%	5.97%	0.00%	5.97%	-1.10%	5.97%	11.50%
647	Iowa Colony	17	19	6.64%	0.19%	6.83%	0.09%	6.92%	7.20%	-0.03%	7.17%	0.19%	7.36%	0.44%	7.36%	NO MAX
644	Iowa Park	45	43	7.37%	4.04%	11.41%	0.28%	11.69%	7.17%	2.07%	9.24%	0.41%	9.65%	-2.04%	9.65%	NO MAX
645	Iraan	6	6	6.21%	12.04%	18.25%	0.31%	18.56%	6.18%	11.61%	17.79%	0.62%	18.41%	-0.15%	18.41%	NO MAX
648	Irving	1,539	1,532	9.73%	4.59%	14.32%	0.21%	14.53%	9.70%	-0.02%	9.68%	0.34%	10.02%	-4.51%	10.02%	NO MAX
650	Italy	20	19	1.91%	1.12%	3.03%	0.28%	3.31%	2.03%	1.13%	3.16%	0.53%	3.69%	0.38%	3.69%	NO MAX
652	Itasca	17	19	10.44%	-0.93%	9.51%	0.28%	9.79%	10.24%	-1.21%	9.03%	0.44%	9.47%	-0.32%	9.47%	13.50%
654	Jacinto City	74	74	8.10%	7.12%	15.22%	0.32%	15.54%	7.99%	7.83%	15.82%	0.59%	16.41%	0.87%	16.41%	NO MAX
656	Jacksboro	41	39	10.11%	3.55%	13.66%	0.30%	13.96%	9.70%	3.92%	13.62%	0.51%	14.13%	0.17%	14.13%	NO MAX
658	Jacksonville	122	123	7.12%	3.36%	10.48%	0.31%	10.79%	7.23%	2.65%	9.88%	0.40%	10.28%	-0.51%	10.28%	NO MAX
660	Jasper	123	120	5.19%	3.26%	8.45%	0.31%	8.76%	5.11%	2.69%	7.80%	0.49%	8.29%	-0.47%	8.29%	15.50%
664	Jefferson	17	15	2.13%	-1.50%	0.63%	0.44%	1.07%	2.51%	-2.33%	0.18%	0.54%	0.72%	-0.35%	0.72%	NO MAX
665	Jersey Village	98	98	10.09%	3.78%	13.87%	0.23%	14.10%	10.13%	3.84%	13.97%	0.35%	14.32%	0.22%	14.32%	NO MAX
666	Jewett	5	5	5.23%	7.69%	12.92%	0.18%	13.10%	5.23%	9.26%	14.49%	0.31%	14.80%	1.70%	14.80%	NO MAX
668	Joaquin	5	6	2.11%	3.22%	5.33%	0.81%	6.14%	1.93%	3.26%	5.19%	0.78%	5.97%	-0.17%	5.97%	NO MAX
670	Johnson City	14	14	5.94%	2.73%	8.67%	0.15%	8.82%	6.25%	2.39%	8.64%	0.24%	8.88%	0.06%	8.88%	10.50%
673	Jones Creek	10	7	3.06%	2.21%	5.27%	0.28%	5.55%	3.35%	1.71%	5.06%	0.58%	5.64%	0.09%	5.64%	NO MAX
675	Jonestown	28	31	6.79%	0.79%	7.58%	0.30%	7.88%	6.79%	0.79%	7.58%	0.40%	7.98%	0.10%	7.98%	NO MAX
677	Josephine	15	16	8.36%	0.21%	8.57%	0.06%	8.63%	8.34%	0.14%	8.48%	0.15%	8.63%	0.00%	8.63%	NO MAX
671	Joshua	35	46	6.28%	-0.31%	5.97%	0.12%	6.09%	6.15%	-0.55%	5.60%	0.22%	5.82%	-0.27%	5.82%	13.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
		LAST YEAR	THIS YEAR	WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPL DEATH	GRAND TOTAL			
672	Jourdanton	36	33	5.43%	0.08%	5.51%	0.51%	6.02%	5.34%	0.06%	5.40%	0.81%	6.21%	0.19%	6.21%	9.50%
674	Junction	24	24	10.82%	1.07%	11.89%	0.29%	12.18%	9.53%	0.79%	10.32%	0.38%	10.70%	-1.48%	10.70%	NO MAX
676	Justin	45	46	6.41%	0.85%	7.26%	0.00%	7.26%	6.82%	0.44%	7.26%	0.00%	7.26%	0.00%	7.26%	13.50%
678	Karnes City	26	23	5.89%	2.68%	8.57%	0.20%	8.77%	5.90%	2.53%	8.43%	0.36%	8.79%	0.02%	8.79%	NO MAX
680	Katy	249	261	11.48%	2.03%	13.51%	0.15%	13.66%	11.52%	2.03%	13.55%	0.23%	13.78%	0.12%	13.78%	NO MAX
682	Kaufman	65	74	10.02%	3.99%	14.01%	0.26%	14.27%	10.01%	3.16%	13.17%	0.35%	13.52%	-0.75%	13.52%	NO MAX
683	Keene	47	48	9.26%	2.70%	11.96%	0.23%	12.19%	10.13%	2.29%	12.42%	0.35%	12.77%	0.58%	12.77%	NO MAX
681	Keller	281	272	9.96%	6.08%	16.04%	0.14%	16.18%	10.00%	5.91%	15.91%	0.24%	16.15%	-0.03%	16.15%	NO MAX
685	Kemah	29	41	6.22%	-0.20%	6.02%	0.21%	6.23%	6.10%	-0.13%	5.97%	0.28%	6.25%	0.02%	6.25%	NO MAX
684	Kemp	18	18	8.40%	1.60%	10.00%	0.29%	10.29%	7.83%	2.00%	9.83%	0.41%	10.24%	-0.05%	10.24%	13.50%
689	Kempner	4	5	1.72%	0.04%	1.76%	0.09%	1.85%	1.16%	0.00%	1.16%	0.07%	1.23%	-0.62%	1.23%	NO MAX
686	Kenedy	57	52	6.84%	2.24%	9.08%	0.12%	9.20%	7.09%	2.63%	9.72%	0.24%	9.96%	0.76%	9.96%	11.50%
688	Kennedale	72	60	10.70%	3.31%	14.01%	0.27%	14.28%	10.59%	3.78%	14.37%	0.32%	14.69%	0.41%	14.69%	NO MAX
690	Kerens	11	10	5.97%	7.03%	13.00%	0.16%	13.16%	5.70%	6.95%	12.65%	0.34%	12.99%	-0.17%	12.99%	NO MAX
692	Kermit	57	54	8.93%	7.18%	16.11%	0.27%	16.38%	8.78%	5.91%	14.69%	0.49%	15.18%	-1.20%	15.18%	NO MAX
10694	Kerrville	313	317	7.70%	2.69%	10.39%	0.25%	10.64%	7.74%	2.39%	10.13%	0.37%	10.50%	-0.14%	10.50%	15.50%
20694	Kerrville PUB	53	53	8.72%	2.89%	11.61%	0.24%	11.85%	8.96%	3.33%	12.29%	0.35%	12.64%	0.79%	12.64%	NO MAX
10696	Kilgore	148	137	9.94%	3.81%	13.75%	0.31%	14.06%	9.75%	4.58%	14.33%	0.49%	14.82%	0.76%	14.82%	NO MAX
698	Killeen	926	936	7.48%	7.29%	14.77%	0.22%	14.99%	7.43%	6.94%	14.37%	0.33%	14.70%	-0.29%	14.70%	NO MAX
700	Kingsville	264	270	6.59%	1.45%	8.04%	0.00%	8.04%	6.63%	1.54%	8.17%	0.00%	8.17%	0.13%	8.17%	NO MAX
701	Kirby	59	44	10.77%	3.09%	13.86%	0.15%	14.01%	11.24%	3.11%	14.35%	0.29%	14.64%	0.63%	14.64%	NO MAX
702	Kirbyville	25	25	3.22%	2.34%	5.56%	0.54%	6.10%	3.09%	2.25%	5.34%	0.72%	6.06%	-0.04%	6.06%	7.50%
704	Knox City	8	8	3.63%	-1.05%	2.58%	0.49%	3.07%	3.53%	-1.23%	2.30%	0.77%	3.07%	0.00%	3.07%	9.50%
706	Kosse	5	4	1.55%	-0.08%	1.47%	0.10%	1.57%	1.65%	-0.18%	1.47%	0.21%	1.68%	0.11%	1.68%	NO MAX
708	Kountze	24	26	3.94%	2.19%	6.13%	0.22%	6.35%	4.13%	2.33%	6.46%	0.37%	6.83%	0.48%	6.83%	NO MAX
709	Kress	1	1	3.25%	-3.25%	0.00%	0.00%	0.00%	3.25%	-3.25%	0.00%	0.00%	0.00%	0.00%	0.00%	NO MAX
699	Krugerville	9	9	7.45%	0.55%	8.00%	0.12%	8.12%	7.45%	0.00%	7.45%	0.22%	7.67%	-0.45%	7.67%	NO MAX
707	Krum	46	48	6.20%	-0.02%	6.18%	0.11%	6.29%	6.18%	0.10%	6.28%	0.22%	6.50%	0.21%	6.50%	13.50%
710	Kyle	234	252	10.68%	2.06%	12.74%	0.11%	12.85%	10.76%	2.21%	12.97%	0.20%	13.17%	0.32%	13.17%	13.50%
725	La Coste	8	7	2.29%	-0.45%	1.84%	0.00%	1.84%	2.06%	-0.51%	1.55%	0.00%	1.55%	-0.29%	1.55%	8.50%
714	La Feria	60	52	7.77%	6.79%	14.56%	0.33%	14.89%	8.09%	6.99%	15.08%	0.46%	15.54%	0.65%	15.54%	NO MAX
716	La Grange	61	61	9.46%	4.54%	14.00%	0.31%	14.31%	9.44%	4.57%	14.01%	0.52%	14.53%	0.22%	14.53%	NO MAX
723	La Grulla	16	10	7.25%	-2.57%	4.68%	0.26%	4.94%	8.04%	-3.34%	4.70%	0.57%	5.27%	0.33%	5.27%	11.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
		LAST YEAR	THIS YEAR	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
732	La Joya	47	51	1.40%	4.45%	5.85%	0.21%	6.06%	1.49%	3.67%	5.16%	0.38%	5.54%	-0.52%	5.54%	NO MAX
721	La Marque	135	133	9.80%	4.34%	14.14%	0.22%	14.36%	9.45%	4.50%	13.95%	0.34%	14.29%	-0.07%	14.29%	NO MAX
728	La Porte	378	384	9.23%	6.34%	15.57%	0.19%	15.76%	9.20%	6.67%	15.87%	0.30%	16.17%	0.41%	16.17%	NO MAX
731	La Vernia	21	22	4.34%	1.06%	5.40%	0.16%	5.56%	4.20%	0.97%	5.17%	0.28%	5.45%	-0.11%	5.45%	NO MAX
711	Lacy-Lakeview	47	48	9.76%	3.71%	13.47%	0.21%	13.68%	9.72%	3.37%	13.09%	0.32%	13.41%	-0.27%	13.41%	NO MAX
712	Ladonia	3	3	7.05%	-2.12%	4.93%	0.43%	5.36%	5.18%	-2.01%	3.17%	0.47%	3.64%	-1.72%	3.64%	NO MAX
713	Lago Vista	99	98	6.59%	1.35%	7.94%	0.22%	8.16%	6.83%	1.05%	7.88%	0.40%	8.28%	0.12%	8.28%	12.50%
705	Laguna Vista	16	18	4.97%	-0.90%	4.07%	0.14%	4.21%	5.00%	-0.95%	4.05%	0.28%	4.33%	0.12%	4.33%	NO MAX
717	Lake Dallas	37	34	10.90%	2.06%	12.96%	0.24%	13.20%	11.53%	1.64%	13.17%	0.37%	13.54%	0.34%	13.54%	13.50%
718	Lake Jackson	230	226	7.88%	3.19%	11.07%	0.26%	11.33%	7.94%	3.24%	11.18%	0.41%	11.59%	0.26%	11.59%	NO MAX
719	Lake Worth	97	102	11.15%	5.87%	17.02%	0.15%	17.17%	10.82%	5.81%	16.63%	0.26%	16.89%	-0.28%	16.89%	NO MAX
727	Lakeport	6	4	2.72%	-2.40%	0.32%	0.15%	0.47%	3.20%	-3.11%	0.09%	0.61%	0.70%	0.23%	0.70%	NO MAX
715	Lakeside	19	18	8.40%	2.58%	10.98%	0.31%	11.29%	8.20%	2.54%	10.74%	0.60%	11.34%	0.05%	11.34%	13.50%
729	Lakeside City	5	4	4.80%	0.49%	5.29%	0.31%	5.60%	4.63%	0.57%	5.20%	0.58%	5.78%	0.18%	5.78%	NO MAX
720	Lakeway	115	118	9.78%	3.73%	13.51%	0.19%	13.70%	9.85%	3.90%	13.75%	0.32%	14.07%	0.37%	14.07%	15.50%
722	Lamesa	82	85	4.88%	-0.77%	4.11%	0.00%	4.11%	5.03%	-1.20%	3.83%	0.00%	3.83%	-0.28%	3.83%	13.50%
724	Lampasas	120	115	9.98%	5.77%	15.75%	0.25%	16.00%	9.89%	5.78%	15.67%	0.37%	16.04%	0.04%	16.04%	NO MAX
726	Lancaster	259	259	8.65%	4.59%	13.24%	0.18%	13.42%	8.70%	4.97%	13.67%	0.27%	13.94%	0.52%	13.94%	NO MAX
730	Laredo	2,268	2,305	10.30%	10.22%	20.52%	0.23%	20.75%	10.32%	10.50%	20.82%	0.34%	21.16%	0.41%	21.16%	NO MAX
733	Lavon	21	20	11.35%	6.33%	17.68%	0.14%	17.82%	11.47%	6.96%	18.43%	0.29%	18.72%	0.90%	18.72%	NO MAX
736	League City	554	573	9.67%	4.71%	14.38%	0.18%	14.56%	9.73%	4.75%	14.48%	0.29%	14.77%	0.21%	14.77%	15.50%
737	Leander	337	365	9.80%	2.38%	12.18%	0.12%	12.30%	9.81%	2.20%	12.01%	0.21%	12.22%	-0.08%	12.22%	13.50%
735	Lefors	6	6	1.73%	1.61%	3.34%	0.12%	3.46%	1.90%	0.54%	2.44%	0.27%	2.71%	-0.75%	2.71%	NO MAX
739	Leon Valley	112	101	11.06%	6.57%	17.63%	0.26%	17.89%	11.49%	7.05%	18.54%	0.44%	18.98%	1.09%	18.98%	NO MAX
738	Leonard	16	11	3.40%	-0.64%	2.76%	0.27%	3.03%	3.00%	-0.83%	2.17%	0.47%	2.64%	-0.39%	2.64%	11.50%
740	Levelland	93	96	8.79%	0.25%	9.04%	0.21%	9.25%	8.83%	0.14%	8.97%	0.33%	9.30%	0.05%	9.30%	NO MAX
742	Lewisville	782	788	10.46%	5.89%	16.35%	0.00%	16.35%	10.49%	6.28%	16.77%	0.00%	16.77%	0.42%	16.77%	NO MAX
744	Lexington	13	10	6.77%	1.21%	7.98%	0.00%	7.98%	6.59%	1.49%	8.08%	0.00%	8.08%	0.10%	8.08%	NO MAX
746	Liberty	104	100	5.33%	10.15%	15.48%	0.00%	15.48%	5.24%	9.30%	14.54%	0.00%	14.54%	-0.94%	14.54%	NO MAX
745	Liberty Hill	51	53	6.57%	0.15%	6.72%	0.11%	6.83%	6.26%	-0.03%	6.23%	0.19%	6.42%	-0.41%	6.42%	NO MAX
748	Lindale	55	56	8.38%	6.38%	14.76%	0.00%	14.76%	8.65%	6.41%	15.06%	0.00%	15.06%	0.30%	15.06%	NO MAX
750	Linden	16	19	1.32%	-0.52%	0.80%	0.38%	1.18%	1.34%	-0.63%	0.71%	0.44%	1.15%	-0.03%	1.15%	7.50%
749	Lindsay	4	4	4.24%	0.77%	5.01%	0.14%	5.15%	4.18%	0.70%	4.88%	0.30%	5.18%	0.03%	5.18%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
		LAST YEAR	THIS YEAR	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
755	Lipan	5	4	1.61%	0.39%	2.00%	0.17%	2.17%	1.51%	-0.18%	1.33%	0.33%	1.66%	-0.51%	1.66%	NO MAX
751	Little Elm	280	299	11.25%	2.51%	13.76%	0.09%	13.85%	10.88%	2.40%	13.28%	0.19%	13.47%	-0.38%	13.47%	NO MAX
752	Littlefield	58	61	6.41%	0.61%	7.02%	0.38%	7.40%	6.50%	-0.02%	6.48%	0.53%	7.01%	-0.39%	7.01%	11.50%
753	Live Oak	115	118	10.82%	6.85%	17.67%	0.20%	17.87%	10.75%	7.19%	17.94%	0.33%	18.27%	0.40%	18.27%	NO MAX
757	Liverpool	5	5	1.73%	0.12%	1.85%	0.16%	2.01%	1.79%	-0.03%	1.76%	0.35%	2.11%	0.10%	2.11%	NO MAX
754	Livingston	83	85	8.97%	6.28%	15.25%	0.26%	15.51%	8.93%	6.04%	14.97%	0.42%	15.39%	-0.12%	15.39%	NO MAX
756	Llano	49	46	7.85%	5.22%	13.07%	0.49%	13.56%	8.00%	4.41%	12.41%	0.82%	13.23%	-0.33%	13.23%	NO MAX
758	Lockhart	135	142	7.19%	5.14%	12.33%	0.25%	12.58%	7.18%	5.45%	12.63%	0.40%	13.03%	0.45%	13.03%	NO MAX
760	Lockney	6	8	2.53%	-2.53%	0.00%	0.28%	0.28%	2.57%	-2.57%	0.00%	0.50%	0.50%	0.22%	0.50%	7.50%
764	Lone Oak	N/A	10	1.86%	3.05%	4.91%	0.09%	5.00%	1.96%	3.31%	5.27%	0.19%	5.46%	0.46%	5.46%	NO MAX
765	Lone Star	12	8	3.28%	-1.04%	2.24%	0.27%	2.51%	3.48%	-1.24%	2.24%	0.54%	2.78%	0.27%	2.78%	7.50%
766	Longview	635	631	7.36%	5.32%	12.68%	0.31%	12.99%	7.38%	4.71%	12.09%	0.47%	12.56%	-0.43%	12.56%	15.50%
768	Loraine	1	3	4.09%	-0.66%	3.43%	0.12%	3.55%	2.87%	-0.64%	2.23%	0.12%	2.35%	-1.20%	2.35%	NO MAX
769	Lorena	18	16	8.80%	1.70%	10.50%	0.20%	10.70%	8.53%	1.61%	10.14%	0.39%	10.53%	-0.17%	10.53%	12.50%
770	Lorenzo	6	6	5.41%	-3.93%	1.48%	0.00%	1.48%	5.32%	-4.02%	1.30%	0.00%	1.30%	-0.18%	1.30%	9.50%
771	Los Fresnos	57	60	4.75%	2.42%	7.17%	0.22%	7.39%	4.81%	1.85%	6.66%	0.35%	7.01%	-0.38%	7.01%	11.50%
773	Lott	6	5	1.82%	-0.21%	1.61%	0.17%	1.78%	2.04%	-0.20%	1.84%	0.38%	2.22%	0.44%	2.22%	NO MAX
774	Lovelady	3	3	6.13%	1.64%	7.77%	0.22%	7.99%	6.11%	1.47%	7.58%	0.33%	7.91%	-0.08%	7.91%	NO MAX
778	Lubbock	1,821	1,808	10.00%	6.66%	16.66%	0.00%	16.66%	10.01%	7.00%	17.01%	0.00%	17.01%	0.35%	17.01%	NO MAX
779	Lucas	39	41	10.57%	1.90%	12.47%	0.10%	12.57%	10.44%	1.59%	12.03%	0.21%	12.24%	-0.33%	12.24%	15.50%
782	Lufkin	330	313	8.64%	7.63%	16.27%	0.30%	16.57%	8.62%	7.38%	16.00%	0.49%	16.49%	-0.08%	16.49%	NO MAX
784	Luling	91	88	5.98%	0.11%	6.09%	0.37%	6.46%	6.05%	-0.07%	5.98%	0.53%	6.51%	0.05%	6.51%	11.50%
785	Lumberton	43	43	10.28%	5.23%	15.51%	0.29%	15.80%	10.16%	5.17%	15.33%	0.48%	15.81%	0.01%	15.81%	NO MAX
786	Lyford	17	13	1.34%	1.36%	2.70%	0.00%	2.70%	1.35%	0.04%	1.39%	0.00%	1.39%	-1.31%	1.39%	NO MAX
787	Lytle	24	25	6.67%	3.80%	10.47%	0.18%	10.65%	6.68%	2.83%	9.51%	0.40%	9.91%	-0.74%	9.91%	11.50%
790	Madisonville	35	36	6.66%	1.87%	8.53%	0.31%	8.84%	6.41%	1.09%	7.50%	0.44%	7.94%	-0.90%	7.94%	11.50%
791	Magnolia	33	36	4.84%	-0.22%	4.62%	0.22%	4.84%	4.82%	-0.26%	4.56%	0.33%	4.89%	0.05%	4.89%	12.50%
792	Malakoff	24	23	6.16%	0.65%	6.81%	0.19%	7.00%	6.34%	-0.89%	5.45%	0.36%	5.81%	-1.19%	5.81%	13.50%
796	Manor	80	76	5.68%	2.55%	8.23%	0.10%	8.33%	5.53%	2.63%	8.16%	0.16%	8.32%	-0.01%	8.32%	NO MAX
798	Mansfield	467	474	11.50%	4.38%	15.88%	0.14%	16.02%	11.61%	5.17%	16.78%	0.24%	17.02%	1.00%	17.02%	NO MAX
799	Manvel	60	75	5.84%	5.10%	10.94%	0.12%	11.06%	5.94%	3.86%	9.80%	0.21%	10.01%	-1.05%	10.01%	13.50%
800	Marble Falls	114	122	8.94%	5.15%	14.09%	0.22%	14.31%	8.79%	5.29%	14.08%	0.34%	14.42%	0.11%	14.42%	15.50%
802	Marfa	42	40	3.78%	-0.67%	3.11%	0.41%	3.52%	3.65%	-0.78%	2.87%	0.64%	3.51%	-0.01%	3.51%	11.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members LAST YEAR THIS YEAR		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPL DEATH	GRAND TOTAL			
804	Marion	9	10	6.24%	-1.96%	4.28%	0.66%	4.94%	6.23%	-2.00%	4.23%	1.05%	5.28%	0.34%	5.28%	11.50%
806	Marlin	55	56	6.66%	0.73%	7.39%	0.47%	7.86%	6.61%	0.81%	7.42%	0.61%	8.03%	0.17%	8.03%	11.50%
808	Marquez	3	2	2.10%	16.35%	18.45%	0.19%	18.64%	2.14%	17.56%	19.70%	0.46%	20.16%	1.52%	20.16%	NO MAX
810	Marshall	186	184	9.83%	5.93%	15.76%	0.41%	16.17%	9.91%	5.74%	15.65%	0.57%	16.22%	0.05%	16.22%	NO MAX
812	Mart	15	13	5.31%	-2.05%	3.26%	0.34%	3.60%	5.38%	-2.99%	2.39%	0.50%	2.89%	-0.71%	2.89%	9.50%
813	Martindale	3	2	5.73%	2.46%	8.19%	0.17%	8.36%	6.21%	-0.53%	5.68%	0.46%	6.14%	-2.22%	6.14%	NO MAX
814	Mason	26	30	4.22%	1.50%	5.72%	0.46%	6.18%	4.30%	1.93%	6.23%	0.58%	6.81%	0.63%	6.81%	9.50%
816	Matador	3	4	2.36%	4.22%	6.58%	0.48%	7.06%	2.41%	-0.13%	2.28%	0.81%	3.09%	-3.97%	3.09%	NO MAX
818	Mathis	49	48	5.76%	-1.48%	4.28%	0.32%	4.60%	5.48%	-1.73%	3.75%	0.46%	4.21%	-0.39%	4.21%	13.50%
820	Maud	5	6	2.35%	2.01%	4.36%	0.25%	4.61%	2.62%	1.98%	4.60%	0.43%	5.03%	0.42%	5.03%	NO MAX
822	Maypearl	4	9	1.27%	-0.59%	0.68%	0.26%	0.94%	1.27%	-0.56%	0.71%	0.23%	0.94%	0.00%	0.94%	7.50%
824	McAllen	1,608	1,621	4.57%	3.56%	8.13%	0.00%	8.13%	4.56%	3.26%	7.82%	0.00%	7.82%	-0.31%	7.82%	13.50%
826	McCamey	14	14	2.96%	-0.54%	2.42%	0.12%	2.54%	2.95%	-0.69%	2.26%	0.26%	2.52%	-0.02%	2.52%	9.50%
828	McGregor	49	49	10.03%	2.74%	12.77%	0.37%	13.14%	9.81%	2.73%	12.54%	0.57%	13.11%	-0.03%	13.11%	13.50%
830	McKinney	1,171	1,213	11.48%	3.54%	15.02%	0.11%	15.13%	11.46%	3.63%	15.09%	0.21%	15.30%	0.17%	15.30%	NO MAX
832	McLean	6	6	2.02%	0.39%	2.41%	0.31%	2.72%	2.02%	-0.02%	2.00%	0.51%	2.51%	-0.21%	2.51%	NO MAX
833	McLendon-Chisholm	9	10	7.52%	-0.21%	7.31%	0.15%	7.46%	7.51%	-0.18%	7.33%	0.31%	7.64%	0.18%	7.64%	NO MAX
834	Meadow	7	6	1.63%	2.55%	4.18%	0.12%	4.30%	1.85%	2.42%	4.27%	0.31%	4.58%	0.28%	4.58%	NO MAX
831	Meadowlakes	26	19	2.49%	0.00%	2.49%	0.24%	2.73%	2.35%	-0.14%	2.21%	0.55%	2.76%	0.03%	2.76%	NO MAX
835	Meadows Place	31	35	6.09%	4.94%	11.03%	0.19%	11.22%	5.88%	4.69%	10.57%	0.32%	10.89%	-0.33%	10.89%	13.50%
837	Melissa	55	65	11.78%	5.76%	17.54%	0.14%	17.68%	11.73%	4.77%	16.50%	0.22%	16.72%	-0.96%	16.72%	NO MAX
1501	Memorial Villages PD	44	42	6.21%	4.91%	11.12%	0.24%	11.36%	6.32%	4.21%	10.53%	0.37%	10.90%	-0.46%	10.90%	NO MAX
840	Memphis	20	20	7.02%	3.32%	10.34%	0.23%	10.57%	6.87%	3.44%	10.31%	0.36%	10.67%	0.10%	10.67%	NO MAX
842	Menard	10	9	3.63%	-3.63%	0.00%	0.00%	0.00%	3.90%	-3.90%	0.00%	0.00%	0.00%	0.00%	0.00%	NO MAX
844	Mercedes	131	128	10.58%	4.99%	15.57%	0.22%	15.79%	10.33%	5.33%	15.66%	0.33%	15.99%	0.20%	15.99%	NO MAX
846	Meridian	12	9	4.00%	-0.66%	3.34%	0.13%	3.47%	4.23%	-0.98%	3.25%	0.30%	3.55%	0.08%	3.55%	11.50%
848	Merkel	16	16	9.85%	2.69%	12.54%	0.18%	12.72%	9.46%	3.36%	12.82%	0.29%	13.11%	0.39%	13.11%	NO MAX
852	Mertzson	5	5	4.39%	6.38%	10.77%	0.26%	11.03%	4.40%	6.17%	10.57%	0.34%	10.91%	-0.12%	10.91%	NO MAX
854	Mesquite	1,100	1,124	8.39%	9.57%	17.96%	0.00%	17.96%	8.38%	9.04%	17.42%	0.00%	17.42%	-0.54%	17.42%	NO MAX
856	Mexia	86	82	10.02%	1.35%	11.37%	0.30%	11.67%	9.82%	1.23%	11.05%	0.46%	11.51%	-0.16%	11.51%	13.50%
858	Miami	3	3	2.52%	7.69%	10.21%	0.32%	10.53%	2.52%	7.00%	9.52%	0.69%	10.21%	-0.32%	10.21%	NO MAX
860	Midland	796	783	8.16%	6.08%	14.24%	0.27%	14.51%	8.12%	6.29%	14.41%	0.39%	14.80%	0.29%	14.80%	NO MAX
862	Midlothian	265	277	11.55%	3.34%	14.89%	0.14%	15.03%	11.52%	3.58%	15.10%	0.24%	15.34%	0.31%	15.34%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
		LAST YEAR	THIS YEAR	WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
863	Milano	1	1	3.34%	8.83%	12.17%	0.44%	12.61%	3.34%	4.43%	7.77%	0.98%	8.75%	-3.86%	8.75%	NO MAX
864	Miles	4	6	1.95%	-1.95%	0.00%	0.20%	0.20%	2.20%	-1.73%	0.47%	0.38%	0.85%	0.65%	0.85%	7.50%
865	Milford	6	6	3.18%	5.47%	8.65%	0.36%	9.01%	3.50%	1.02%	4.52%	0.51%	5.03%	-3.98%	5.03%	NO MAX
868	Mineola	49	51	7.73%	3.00%	10.73%	0.23%	10.96%	7.28%	2.82%	10.10%	0.34%	10.44%	-0.52%	10.44%	13.50%
870	Mineral Wells	184	182	6.41%	1.74%	8.15%	0.31%	8.46%	6.32%	1.63%	7.95%	0.49%	8.44%	-0.02%	8.44%	11.50%
874	Mission	705	712	6.74%	2.01%	8.75%	0.16%	8.91%	6.72%	1.81%	8.53%	0.28%	8.81%	-0.10%	8.81%	12.50%
875	Missouri City	347	355	5.29%	4.14%	9.43%	0.16%	9.59%	5.29%	3.70%	8.99%	0.26%	9.25%	-0.34%	9.25%	15.50%
876	Monahans	65	65	5.40%	1.43%	6.83%	0.22%	7.05%	5.32%	1.36%	6.68%	0.38%	7.06%	0.01%	7.06%	NO MAX
887	Mont Belvieu	177	182	11.21%	2.54%	13.75%	0.12%	13.87%	11.39%	2.15%	13.54%	0.23%	13.77%	-0.10%	13.77%	NO MAX
877	Montgomery	28	30	9.03%	0.56%	9.59%	0.15%	9.74%	9.32%	0.72%	10.04%	0.26%	10.30%	0.56%	10.30%	13.50%
878	Moody	11	11	1.30%	0.90%	2.20%	0.23%	2.43%	1.36%	0.68%	2.04%	0.42%	2.46%	0.03%	2.46%	7.50%
883	Morgan's Point	13	13	8.89%	1.27%	10.16%	0.09%	10.25%	8.86%	1.21%	10.07%	0.20%	10.27%	0.02%	10.27%	NO MAX
882	Morgan's Point Resort	28	30	9.57%	2.26%	11.83%	0.29%	12.12%	9.65%	2.40%	12.05%	0.38%	12.43%	0.31%	12.43%	13.50%
884	Morton	8	9	6.45%	-3.30%	3.15%	0.14%	3.29%	6.44%	-3.70%	2.74%	0.22%	2.96%	-0.33%	2.96%	NO MAX
886	Moulton	10	10	4.65%	-0.48%	4.17%	0.29%	4.46%	4.67%	-0.55%	4.12%	0.47%	4.59%	0.13%	4.59%	NO MAX
890	Mount Enterprise	2	2	3.31%	-0.08%	3.23%	0.20%	3.43%	3.32%	-0.11%	3.21%	0.33%	3.54%	0.11%	3.54%	NO MAX
892	Mt. Pleasant	165	166	9.79%	4.97%	14.76%	0.19%	14.95%	9.90%	5.31%	15.21%	0.35%	15.56%	0.61%	15.56%	NO MAX
894	Mt. Vernon	22	22	9.07%	1.13%	10.20%	0.26%	10.46%	9.04%	-0.17%	8.87%	0.40%	9.27%	-1.19%	9.27%	13.50%
896	Muenster	12	13	4.38%	-2.53%	1.85%	0.00%	1.85%	4.43%	-2.53%	1.90%	0.00%	1.90%	0.05%	1.90%	11.50%
898	Muleshoe	34	34	9.23%	9.93%	19.16%	0.34%	19.50%	9.47%	11.33%	20.80%	0.53%	21.33%	1.83%	21.33%	NO MAX
901	Munday	7	7	1.56%	1.90%	3.46%	0.34%	3.80%	1.74%	2.03%	3.77%	0.54%	4.31%	0.51%	4.31%	NO MAX
903	Murphy	119	112	11.64%	2.59%	14.23%	0.15%	14.38%	11.29%	2.69%	13.98%	0.27%	14.25%	-0.13%	14.25%	15.50%
10904	Nacogdoches	297	302	8.58%	5.89%	14.47%	0.27%	14.74%	8.60%	5.70%	14.30%	0.39%	14.69%	-0.05%	14.69%	NO MAX
906	Naples	8	6	3.10%	-1.63%	1.47%	0.30%	1.77%	2.83%	-1.89%	0.94%	0.57%	1.51%	-0.26%	1.51%	9.50%
907	Nash	19	21	10.19%	8.39%	18.58%	0.27%	18.85%	10.27%	8.87%	19.14%	0.38%	19.52%	0.67%	19.52%	NO MAX
905	Nassau Bay	45	45	8.07%	2.74%	10.81%	0.19%	11.00%	8.00%	2.16%	10.16%	0.33%	10.49%	-0.51%	10.49%	NO MAX
909	Natalia	11	12	1.58%	0.68%	2.26%	0.21%	2.47%	1.65%	0.46%	2.11%	0.32%	2.43%	-0.04%	2.43%	NO MAX
908	Navasota	85	82	6.59%	-0.04%	6.55%	0.26%	6.81%	6.19%	-0.25%	5.94%	0.37%	6.31%	-0.50%	6.31%	11.50%
910	Nederland	124	122	8.13%	-0.61%	7.52%	0.00%	7.52%	8.10%	-0.93%	7.17%	0.00%	7.17%	-0.35%	7.17%	NO MAX
912	Needville	18	20	3.38%	0.20%	3.58%	0.49%	4.07%	3.43%	0.16%	3.59%	0.77%	4.36%	0.29%	4.36%	9.50%
914	New Boston	42	39	3.03%	-1.59%	1.44%	0.29%	1.73%	2.92%	-1.79%	1.13%	0.49%	1.62%	-0.11%	1.62%	7.50%
10916	New Braunfels	644	674	11.19%	5.86%	17.05%	0.16%	17.21%	11.09%	6.08%	17.17%	0.26%	17.43%	0.22%	17.43%	NO MAX
20916	New Braunfels Utilities	322	342	10.42%	7.19%	17.61%	0.16%	17.77%	10.55%	7.55%	18.10%	0.25%	18.35%	0.58%	18.35%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
		LAST YEAR	THIS YEAR	WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
915	New Deal	4	4	1.63%	-1.07%	0.56%	0.00%	0.56%	1.63%	-1.27%	0.36%	0.00%	0.36%	-0.20%	0.36%	7.50%
923	New Fairview	3	3	5.46%	6.46%	11.92%	0.19%	12.11%	6.62%	-0.50%	6.12%	0.26%	6.38%	-5.73%	6.38%	NO MAX
918	New London	8	5	3.91%	-0.57%	3.34%	0.00%	3.34%	3.87%	-0.96%	2.91%	0.00%	2.91%	-0.43%	2.91%	7.50%
919	New Summerfield	9	11	7.80%	-0.12%	7.68%	0.00%	7.68%	7.83%	-0.06%	7.77%	0.00%	7.77%	0.09%	7.77%	13.50%
917	New Waverly	5	5	6.91%	7.94%	14.85%	0.35%	15.20%	6.88%	7.84%	14.72%	0.62%	15.34%	0.14%	15.34%	NO MAX
913	Newark	6	5	1.26%	-0.05%	1.21%	0.04%	1.25%	1.26%	-0.08%	1.18%	0.09%	1.27%	0.02%	1.27%	NO MAX
920	Newton	24	23	11.27%	8.45%	19.72%	0.26%	19.98%	11.01%	8.02%	19.03%	0.47%	19.50%	-0.48%	19.50%	NO MAX
922	Nixon	22	23	1.30%	-0.52%	0.78%	0.25%	1.03%	1.17%	-0.60%	0.57%	0.34%	0.91%	-0.12%	0.91%	NO MAX
924	Nocona	22	19	6.77%	3.63%	10.40%	0.40%	10.80%	6.82%	3.62%	10.44%	0.65%	11.09%	0.29%	11.09%	11.50%
925	Nolanville	19	22	4.39%	0.62%	5.01%	0.08%	5.09%	4.37%	0.55%	4.92%	0.16%	5.08%	-0.01%	5.08%	NO MAX
928	Normangee	7	6	5.05%	-0.94%	4.11%	0.30%	4.41%	5.06%	-1.12%	3.94%	0.60%	4.54%	0.13%	4.54%	11.50%
931	North Richland Hills	544	544	11.31%	5.50%	16.81%	0.00%	16.81%	11.37%	5.82%	17.19%	0.00%	17.19%	0.38%	17.19%	NO MAX
930	Northlake	49	60	8.55%	1.30%	9.85%	0.11%	9.96%	8.48%	1.03%	9.51%	0.17%	9.68%	-0.28%	9.68%	NO MAX
935	O'Donnell	4	4	1.44%	2.74%	4.18%	0.25%	4.43%	1.46%	3.01%	4.47%	0.36%	4.83%	0.40%	4.83%	NO MAX
936	Oak Point	34	34	6.12%	0.94%	7.06%	0.11%	7.17%	6.13%	0.75%	6.88%	0.21%	7.09%	-0.08%	7.09%	NO MAX
937	Oak Ridge North	40	40	8.93%	2.88%	11.81%	0.20%	12.01%	8.73%	2.95%	11.68%	0.32%	12.00%	-0.01%	12.00%	NO MAX
942	Odem	21	20	4.70%	3.37%	8.07%	0.41%	8.48%	5.28%	1.14%	6.42%	0.58%	7.00%	-1.48%	7.00%	NO MAX
944	Odessa	713	715	8.26%	5.44%	13.70%	0.26%	13.96%	8.27%	5.39%	13.66%	0.41%	14.07%	0.11%	14.07%	NO MAX
945	Oglesby	2	2	1.10%	0.64%	1.74%	0.41%	2.15%	1.10%	0.79%	1.89%	0.54%	2.43%	0.28%	2.43%	NO MAX
949	Old River-Winfree	1	1	2.35%	-2.35%	0.00%	0.00%	0.00%	2.35%	-2.35%	0.00%	0.00%	0.00%	0.00%	0.00%	7.50%
950	Olmos Park	38	38	3.51%	-0.76%	2.75%	0.00%	2.75%	3.48%	-1.12%	2.36%	0.00%	2.36%	-0.39%	2.36%	11.50%
951	Olney	22	22	6.17%	0.51%	6.68%	0.23%	6.91%	5.94%	0.23%	6.17%	0.34%	6.51%	-0.40%	6.51%	NO MAX
953	Omaha	6	6	1.87%	3.33%	5.20%	0.19%	5.39%	1.86%	3.31%	5.17%	0.36%	5.53%	0.14%	5.53%	NO MAX
954	Onalaska	12	17	3.14%	-0.94%	2.20%	0.19%	2.39%	3.04%	-0.82%	2.22%	0.18%	2.40%	0.01%	2.40%	9.50%
958	Orange	154	156	10.03%	4.37%	14.40%	0.00%	14.40%	9.99%	4.89%	14.88%	0.00%	14.88%	0.48%	14.88%	NO MAX
960	Orange Grove	10	7	8.75%	-0.69%	8.06%	0.21%	8.27%	8.66%	-1.38%	7.28%	0.42%	7.70%	-0.57%	7.70%	12.50%
957	Orchard	N/A	2	1.56%	11.14%	12.70%	0.12%	12.82%	1.65%	7.15%	8.80%	0.24%	9.04%	-3.78%	9.04%	NO MAX
959	Ore City	10	9	1.67%	-0.27%	1.40%	0.16%	1.56%	1.58%	-0.44%	1.14%	0.22%	1.36%	-0.20%	1.36%	7.50%
962	Overton	20	15	4.77%	-1.00%	3.77%	0.26%	4.03%	5.89%	-1.91%	3.98%	0.48%	4.46%	0.43%	4.46%	12.50%
961	Ovilla	30	33	8.37%	1.83%	10.20%	0.18%	10.38%	8.43%	2.12%	10.55%	0.28%	10.83%	0.45%	10.83%	13.50%
963	Oyster Creek	21	22	8.34%	2.28%	10.62%	0.26%	10.88%	8.53%	1.28%	9.81%	0.35%	10.16%	-0.72%	10.16%	13.50%
964	Paducah	9	9	4.69%	-4.69%	0.00%	0.48%	0.48%	4.78%	-4.78%	0.00%	0.63%	0.63%	0.15%	0.63%	9.50%
966	Palacios	37	33	10.23%	6.22%	16.45%	0.31%	16.76%	10.70%	5.99%	16.69%	0.44%	17.13%	0.37%	17.13%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
		LAST YEAR	THIS YEAR	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
968	Palestine	171	173	7.79%	5.88%	13.67%	0.31%	13.98%	7.74%	6.01%	13.75%	0.43%	14.18%	0.20%	14.18%	NO MAX
970	Palmer	23	23	9.19%	2.17%	11.36%	0.12%	11.48%	9.08%	1.80%	10.88%	0.17%	11.05%	-0.43%	11.05%	13.50%
969	Palmhurst	31	31	5.18%	0.26%	5.44%	0.10%	5.54%	5.10%	0.20%	5.30%	0.18%	5.48%	-0.06%	5.48%	NO MAX
971	Palmview	68	84	1.09%	0.62%	1.71%	0.07%	1.78%	1.10%	0.56%	1.66%	0.15%	1.81%	0.03%	1.81%	NO MAX
972	Pampa	161	159	9.32%	11.35%	20.67%	0.34%	21.01%	9.42%	10.25%	19.67%	0.44%	20.11%	-0.90%	20.11%	NO MAX
974	Panhandle	15	17	6.83%	4.05%	10.88%	0.00%	10.88%	6.62%	3.94%	10.56%	0.00%	10.56%	-0.32%	10.56%	NO MAX
973	Panorama Village	14	14	5.14%	-0.08%	5.06%	0.39%	5.45%	4.91%	-1.10%	3.81%	0.55%	4.36%	-1.09%	4.36%	12.50%
975	Pantego	42	45	11.28%	4.42%	15.70%	0.22%	15.92%	11.44%	3.57%	15.01%	0.35%	15.36%	-0.56%	15.36%	NO MAX
976	Paris	234	233	4.58%	2.77%	7.35%	0.37%	7.72%	4.63%	-0.04%	4.59%	0.51%	5.10%	-2.62%	5.10%	NO MAX
977	Parker	24	26	8.40%	5.25%	13.65%	0.16%	13.81%	8.54%	4.84%	13.38%	0.28%	13.66%	-0.15%	13.66%	NO MAX
978	Pasadena	1,020	1,005	9.52%	4.17%	13.69%	0.28%	13.97%	9.49%	3.32%	12.81%	0.44%	13.25%	-0.72%	13.25%	NO MAX
983	Pearland	763	779	9.86%	3.08%	12.94%	0.11%	13.05%	9.91%	3.14%	13.05%	0.20%	13.25%	0.20%	13.25%	15.50%
984	Pearsall	69	73	3.15%	0.71%	3.86%	0.18%	4.04%	3.25%	0.23%	3.48%	0.30%	3.78%	-0.26%	3.78%	8.50%
988	Pecos City	148	148	5.85%	0.63%	6.48%	0.21%	6.69%	5.79%	0.35%	6.14%	0.37%	6.51%	-0.18%	6.51%	11.50%
989	Pelican Bay	17	16	1.50%	2.69%	4.19%	0.09%	4.28%	1.32%	2.03%	3.35%	0.16%	3.51%	-0.77%	3.51%	NO MAX
991	Penitas	43	39	3.14%	0.80%	3.94%	0.07%	4.01%	3.37%	0.49%	3.86%	0.16%	4.02%	0.01%	4.02%	NO MAX
994	Perryton	76	74	7.94%	2.13%	10.07%	0.33%	10.40%	8.03%	1.76%	9.79%	0.52%	10.31%	-0.09%	10.31%	NO MAX
1000	Pflugerville	336	359	9.96%	3.56%	13.52%	0.14%	13.66%	9.97%	3.90%	13.87%	0.23%	14.10%	0.44%	14.10%	NO MAX
1002	Pharr	634	750	7.51%	4.99%	12.50%	0.18%	12.68%	7.47%	4.63%	12.10%	0.22%	12.32%	-0.36%	12.32%	NO MAX
1004	Pilot Point	55	64	9.13%	2.08%	11.21%	0.17%	11.38%	9.09%	1.41%	10.50%	0.25%	10.75%	-0.63%	10.75%	12.50%
1005	Pinehurst	21	21	10.11%	7.45%	17.56%	0.40%	17.96%	9.57%	7.84%	17.41%	0.60%	18.01%	0.05%	18.01%	NO MAX
1003	Pineland	11	10	5.64%	-2.24%	3.40%	0.39%	3.79%	5.64%	-2.42%	3.22%	0.55%	3.77%	-0.02%	3.77%	NO MAX
1001	Piney Point Village	7	6	5.81%	0.53%	6.34%	0.22%	6.56%	5.08%	0.36%	5.44%	0.37%	5.81%	-0.75%	5.81%	NO MAX
1006	Pittsburg	35	33	9.07%	1.83%	10.90%	0.33%	11.23%	9.00%	1.22%	10.22%	0.46%	10.68%	-0.55%	10.68%	NO MAX
1007	Plains	9	10	5.06%	-0.74%	4.32%	0.22%	4.54%	4.93%	-0.96%	3.97%	0.33%	4.30%	-0.24%	4.30%	NO MAX
1008	Plainview	136	127	9.57%	1.95%	11.52%	0.00%	11.52%	9.57%	1.61%	11.18%	0.00%	11.18%	-0.34%	11.18%	NO MAX
1010	Plano	2,371	2,358	11.55%	4.80%	16.35%	0.00%	16.35%	11.55%	5.05%	16.60%	0.00%	16.60%	0.25%	16.60%	NO MAX
1012	Pleasanton	111	109	9.03%	5.98%	15.01%	0.15%	15.16%	9.17%	5.84%	15.01%	0.26%	15.27%	0.11%	15.27%	NO MAX
1013	Point	8	7	11.20%	2.33%	13.53%	0.00%	13.53%	10.18%	-0.78%	9.40%	0.00%	9.40%	-4.13%	9.40%	NO MAX
1017	Ponder	16	16	5.13%	0.69%	5.82%	0.43%	6.25%	5.06%	0.68%	5.74%	0.82%	6.56%	0.31%	6.56%	NO MAX
1014	Port Aransas	122	122	8.07%	2.85%	10.92%	0.21%	11.13%	8.25%	2.69%	10.94%	0.36%	11.30%	0.17%	11.30%	12.50%
11016	Port Arthur	577	581	7.26%	6.39%	13.65%	0.31%	13.96%	7.26%	6.60%	13.86%	0.46%	14.32%	0.36%	14.32%	NO MAX
1018	Port Isabel	53	61	5.93%	1.82%	7.75%	0.28%	8.03%	5.86%	3.51%	9.37%	0.39%	9.76%	1.73%	9.76%	11.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
		LAST YEAR	THIS YEAR	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
1020	Port Lavaca	89	90	4.58%	1.15%	5.73%	0.38%	6.11%	4.66%	0.79%	5.45%	0.40%	5.85%	-0.26%	5.85%	9.50%
1022	Port Neches	96	95	9.25%	5.51%	14.76%	0.00%	14.76%	9.22%	5.20%	14.42%	0.00%	14.42%	-0.34%	14.42%	NO MAX
1019	Portland	149	153	10.51%	6.58%	17.09%	0.22%	17.31%	10.60%	7.03%	17.63%	0.34%	17.97%	0.66%	17.97%	NO MAX
1024	Post	23	24	7.32%	9.23%	16.55%	0.73%	17.28%	9.28%	8.22%	17.50%	0.81%	18.31%	1.03%	18.31%	NO MAX
1026	Poteet	26	22	3.77%	-0.91%	2.86%	0.20%	3.06%	3.96%	-1.60%	2.36%	0.40%	2.76%	-0.30%	2.76%	9.50%
1028	Poth	10	11	2.24%	2.35%	4.59%	0.50%	5.09%	2.13%	2.21%	4.34%	0.71%	5.05%	-0.04%	5.05%	9.50%
1030	Pottsboro	20	19	6.14%	0.44%	6.58%	0.24%	6.82%	5.97%	0.33%	6.30%	0.40%	6.70%	-0.12%	6.70%	13.50%
1031	Prairie View	26	25	1.76%	0.82%	2.58%	0.12%	2.70%	1.76%	0.93%	2.69%	0.24%	2.93%	0.23%	2.93%	NO MAX
1032	Premont	16	19	1.63%	-1.63%	0.00%	0.41%	0.41%	1.46%	-1.46%	0.00%	0.58%	0.58%	0.17%	0.58%	7.50%
1029	Presidio	40	42	1.25%	-0.53%	0.72%	0.19%	0.91%	1.16%	-0.59%	0.57%	0.29%	0.86%	-0.05%	0.86%	NO MAX
1033	Primera	21	18	1.64%	-0.79%	0.85%	0.12%	0.97%	1.57%	-0.73%	0.84%	0.20%	1.04%	0.07%	1.04%	7.50%
1034	Princeton	104	112	10.61%	1.24%	11.85%	0.12%	11.97%	10.64%	1.15%	11.79%	0.22%	12.01%	0.04%	12.01%	13.50%
1036	Prosper	256	268	12.63%	1.62%	14.25%	0.00%	14.25%	12.42%	1.70%	14.12%	0.00%	14.12%	-0.13%	14.12%	15.50%
1037	Providence Village	8	11	4.79%	2.10%	6.89%	0.10%	6.99%	4.71%	1.68%	6.39%	0.22%	6.61%	-0.38%	6.61%	NO MAX
1042	Quanah	15	13	5.31%	-1.86%	3.45%	0.38%	3.83%	5.61%	-2.48%	3.13%	0.55%	3.68%	-0.15%	3.68%	NO MAX
1045	Queen City	11	13	2.60%	-0.89%	1.71%	0.17%	1.88%	2.39%	-0.90%	1.49%	0.34%	1.83%	-0.05%	1.83%	7.50%
1044	Quinlan	17	19	10.63%	-0.32%	10.31%	0.12%	10.43%	10.34%	-0.22%	10.12%	0.21%	10.33%	-0.10%	10.33%	12.50%
1047	Quintana	10	9	7.53%	1.17%	8.70%	0.14%	8.84%	7.74%	0.75%	8.49%	0.30%	8.79%	-0.05%	8.79%	NO MAX
1046	Quitaque	4	4	1.25%	2.77%	4.02%	0.35%	4.37%	1.24%	2.18%	3.42%	0.55%	3.97%	-0.40%	3.97%	NO MAX
1048	Quitman	24	22	6.36%	-0.71%	5.65%	0.38%	6.03%	6.51%	-1.25%	5.26%	0.47%	5.73%	-0.30%	5.73%	11.50%
1050	Ralls	8	8	5.41%	-0.64%	4.77%	0.80%	5.57%	5.36%	-0.24%	5.12%	1.00%	6.12%	0.55%	6.12%	9.50%
1051	Rancho Viejo	12	12	5.89%	-0.19%	5.70%	0.11%	5.81%	5.93%	-0.43%	5.50%	0.20%	5.70%	-0.11%	5.70%	11.50%
1052	Ranger	20	21	8.94%	-0.95%	7.99%	0.00%	7.99%	8.15%	-1.27%	6.88%	0.00%	6.88%	-1.11%	6.88%	12.50%
1054	Rankin	4	4	2.99%	4.68%	7.67%	0.14%	7.81%	3.00%	4.38%	7.38%	0.22%	7.60%	-0.21%	7.60%	NO MAX
1055	Ransom Canyon	11	11	5.33%	8.96%	14.29%	0.21%	14.50%	5.42%	8.25%	13.67%	0.36%	14.03%	-0.47%	14.03%	NO MAX
1058	Raymondville	69	71	4.28%	-2.50%	1.78%	0.37%	2.15%	4.40%	-2.71%	1.69%	0.40%	2.09%	-0.06%	2.09%	15.50%
1061	Red Oak	108	114	5.48%	1.09%	6.57%	0.12%	6.69%	5.51%	0.92%	6.43%	0.20%	6.63%	-0.06%	6.63%	13.50%
1062	Redwater	9	9	2.42%	0.31%	2.73%	0.11%	2.84%	2.46%	0.19%	2.65%	0.23%	2.88%	0.04%	2.88%	NO MAX
1064	Refugio	30	29	1.10%	-1.10%	0.00%	0.00%	0.00%	1.08%	-1.08%	0.00%	0.00%	0.00%	0.00%	0.00%	7.50%
1065	Reklaw	5	5	8.20%	7.36%	15.56%	0.52%	16.08%	7.76%	7.50%	15.26%	0.78%	16.04%	-0.04%	16.04%	NO MAX
1066	Reno (Lamar County)	15	15	5.59%	-0.49%	5.10%	0.09%	5.19%	5.83%	-0.85%	4.98%	0.20%	5.18%	-0.01%	5.18%	11.50%
1069	Reno (Parker County)	17	18	3.95%	-0.30%	3.65%	0.13%	3.78%	3.79%	-0.56%	3.23%	0.30%	3.53%	-0.25%	3.53%	NO MAX
1067	Rhome	18	18	7.17%	-0.46%	6.71%	0.16%	6.87%	7.51%	-0.59%	6.92%	0.28%	7.20%	0.33%	7.20%	13.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
		LAST YEAR	THIS YEAR	WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
1068	Rice	13	12	1.63%	-0.26%	1.37%	0.15%	1.52%	1.49%	-0.28%	1.21%	0.24%	1.45%	-0.07%	1.45%	7.50%
1070	Richardson	976	948	8.00%	6.07%	14.07%	0.00%	14.07%	7.99%	6.34%	14.33%	0.00%	14.33%	0.26%	14.33%	NO MAX
1073	Richland Hills	73	75	11.79%	4.22%	16.01%	0.32%	16.33%	11.55%	4.47%	16.02%	0.46%	16.48%	0.15%	16.48%	NO MAX
1074	Richland Springs	1	1	3.10%	-3.10%	0.00%	0.68%	0.68%	3.11%	-3.11%	0.00%	0.85%	0.85%	0.17%	0.85%	NO MAX
1076	Richmond	157	160	10.64%	4.07%	14.71%	0.19%	14.90%	10.77%	4.17%	14.94%	0.31%	15.25%	0.35%	15.25%	NO MAX
1077	Richwood	23	21	8.01%	3.24%	11.25%	0.20%	11.45%	7.88%	3.63%	11.51%	0.36%	11.87%	0.42%	11.87%	NO MAX
1072	Riesel	8	7	1.03%	4.83%	5.86%	0.18%	6.04%	1.08%	4.78%	5.86%	0.36%	6.22%	0.18%	6.22%	NO MAX
1075	Rio Grande City	152	155	6.00%	0.92%	6.92%	0.12%	7.04%	6.00%	0.91%	6.91%	0.22%	7.13%	0.09%	7.13%	NO MAX
1079	Rio Vista	9	6	2.52%	1.21%	3.73%	0.14%	3.87%	2.34%	0.96%	3.30%	0.24%	3.54%	-0.33%	3.54%	NO MAX
1080	Rising Star	7	8	1.99%	-1.99%	0.00%	0.51%	0.51%	1.97%	-1.58%	0.39%	0.66%	1.05%	0.54%	1.05%	NO MAX
1082	River Oaks	67	68	10.52%	3.42%	13.94%	0.39%	14.33%	10.36%	2.89%	13.25%	0.51%	13.76%	-0.57%	13.76%	NO MAX
1084	Roanoke	125	132	12.52%	4.66%	17.18%	0.00%	17.18%	12.72%	4.45%	17.17%	0.00%	17.17%	-0.01%	17.17%	NO MAX
1088	Robert Lee	5	5	0.73%	3.40%	4.13%	0.41%	4.54%	0.73%	3.09%	3.82%	0.41%	4.23%	-0.31%	4.23%	NO MAX
1089	Robinson	66	67	8.66%	4.99%	13.65%	0.21%	13.86%	9.06%	5.02%	14.08%	0.38%	14.46%	0.60%	14.46%	NO MAX
21090	Robstown	91	89	4.32%	0.47%	4.79%	0.19%	4.98%	4.40%	0.51%	4.91%	0.32%	5.23%	0.25%	5.23%	9.50%
11090	Robstown Utility Systems	46	43	7.09%	10.87%	17.96%	0.36%	18.32%	6.96%	11.11%	18.07%	0.53%	18.60%	0.28%	18.60%	NO MAX
1092	Roby	2	2	6.39%	-0.71%	5.68%	1.61%	7.29%	6.39%	-1.38%	5.01%	0.58%	5.59%	-1.70%	5.59%	NO MAX
1096	Rockdale	45	49	6.50%	1.32%	7.82%	0.37%	8.19%	6.92%	1.49%	8.41%	0.55%	8.96%	0.77%	8.96%	11.50%
1098	Rockport	116	120	11.13%	5.58%	16.71%	0.27%	16.98%	11.59%	5.82%	17.41%	0.39%	17.80%	0.82%	17.80%	NO MAX
1100	Rocksprings	10	8	2.23%	-0.71%	1.52%	0.00%	1.52%	2.48%	-0.81%	1.67%	0.00%	1.67%	0.15%	1.67%	NO MAX
1102	Rockwall	289	307	11.95%	3.11%	15.06%	0.14%	15.20%	11.93%	3.09%	15.02%	0.24%	15.26%	0.06%	15.26%	NO MAX
1104	Rogers	8	10	5.42%	4.29%	9.71%	0.00%	9.71%	5.85%	2.25%	8.10%	0.00%	8.10%	-1.61%	8.10%	NO MAX
1105	Rollingwood	18	17	9.71%	2.00%	11.71%	0.25%	11.96%	9.92%	1.99%	11.91%	0.43%	12.34%	0.38%	12.34%	13.50%
1106	Roma	129	136	6.88%	2.66%	9.54%	0.38%	9.92%	6.84%	1.95%	8.79%	0.53%	9.32%	-0.60%	9.32%	11.50%
1109	Roscoe	8	6	2.00%	-0.17%	1.83%	0.30%	2.13%	1.79%	-0.25%	1.54%	0.47%	2.01%	-0.12%	2.01%	NO MAX
1112	Rosebud	13	12	1.91%	-0.08%	1.83%	0.43%	2.26%	1.94%	-0.14%	1.80%	0.69%	2.49%	0.23%	2.49%	NO MAX
1114	Rosenberg	279	272	9.80%	6.07%	15.87%	0.12%	15.99%	9.85%	6.20%	16.05%	0.21%	16.26%	0.27%	16.26%	NO MAX
1116	Rotan	5	5	1.71%	-1.71%	0.00%	0.62%	0.62%	1.70%	-1.70%	0.00%	0.92%	0.92%	0.30%	0.92%	NO MAX
1118	Round Rock	974	971	11.01%	4.93%	15.94%	0.14%	16.08%	10.94%	5.26%	16.20%	0.24%	16.44%	0.36%	16.44%	NO MAX
1119	Rowlett	411	437	9.48%	3.63%	13.11%	0.00%	13.11%	9.51%	3.58%	13.09%	0.00%	13.09%	-0.02%	13.09%	NO MAX
1120	Royse City	80	87	12.38%	3.41%	15.79%	0.14%	15.93%	12.36%	3.24%	15.60%	0.24%	15.84%	-0.09%	15.84%	NO MAX
1122	Rule	3	2	2.77%	-2.57%	0.20%	0.18%	0.38%	4.67%	-2.99%	1.68%	0.29%	1.97%	1.59%	1.97%	11.50%
1123	Runaway Bay	14	17	3.29%	-1.03%	2.26%	0.27%	2.53%	2.67%	-0.95%	1.72%	0.32%	2.04%	-0.49%	2.04%	9.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
		LAST YEAR	THIS YEAR	WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
1124	Runge	6	5	4.59%	7.50%	12.09%	0.55%	12.64%	4.42%	7.16%	11.58%	0.99%	12.57%	-0.07%	12.57%	NO MAX
1126	Rusk	35	36	6.88%	-0.49%	6.39%	0.23%	6.62%	6.74%	-0.72%	6.02%	0.36%	6.38%	-0.24%	6.38%	10.50%
1128	Sabinal	13	14	3.24%	-1.13%	2.11%	0.49%	2.60%	3.30%	-1.38%	1.92%	0.76%	2.68%	0.08%	2.68%	9.50%
1129	Sachse	153	152	11.04%	3.39%	14.43%	0.14%	14.57%	11.08%	3.17%	14.25%	0.26%	14.51%	-0.06%	14.51%	NO MAX
1131	Saginaw	147	164	11.63%	9.49%	21.12%	0.18%	21.30%	11.60%	9.65%	21.25%	0.29%	21.54%	0.24%	21.54%	NO MAX
1130	Saint Jo	7	7	6.57%	-1.53%	5.04%	0.80%	5.84%	7.00%	-1.80%	5.20%	0.90%	6.10%	0.26%	6.06%	10.50%
1133	Salado	8	12	6.90%	-0.86%	6.04%	0.30%	6.34%	6.98%	-1.13%	5.85%	0.43%	6.28%	-0.06%	6.28%	NO MAX
1132	San Angelo	729	732	8.20%	8.81%	17.01%	0.00%	17.01%	8.21%	8.70%	16.91%	0.00%	16.91%	-0.10%	16.91%	NO MAX
21136	San Antonio	6,860	7,057	7.03%	5.37%	12.40%	0.00%	12.40%	7.02%	4.82%	11.84%	0.00%	11.84%	-0.56%	11.84%	NO MAX
11136	San Antonio Water System	1,767	1,680	2.10%	1.54%	3.64%	0.00%	3.64%	2.10%	1.51%	3.61%	0.00%	3.61%	-0.03%	3.61%	5.50%
1138	San Augustine	28	29	7.51%	1.56%	9.07%	0.43%	9.50%	7.31%	1.29%	8.60%	0.57%	9.17%	-0.33%	9.17%	13.50%
1140	San Benito	164	166	3.68%	1.04%	4.72%	0.36%	5.08%	3.72%	0.91%	4.63%	0.51%	5.14%	0.06%	5.14%	11.50%
1144	San Felipe	4	4	1.75%	2.03%	3.78%	0.21%	3.99%	1.81%	1.81%	3.62%	0.38%	4.00%	0.01%	4.00%	NO MAX
1148	San Juan	245	236	4.31%	-0.01%	4.30%	0.18%	4.48%	4.36%	-0.12%	4.24%	0.33%	4.57%	0.09%	4.57%	12.50%
1150	San Marcos	690	688	11.01%	7.24%	18.25%	0.16%	18.41%	10.96%	7.39%	18.35%	0.27%	18.62%	0.21%	18.62%	NO MAX
1152	San Saba	46	47	6.26%	2.00%	8.26%	0.33%	8.59%	6.23%	2.56%	8.79%	0.46%	9.25%	0.66%	9.25%	10.50%
1146	Sanger	70	77	6.35%	2.15%	8.50%	0.14%	8.64%	6.58%	2.03%	8.61%	0.24%	8.85%	0.21%	8.85%	12.50%
1153	Sansom Park	35	39	7.50%	-0.84%	6.66%	0.14%	6.80%	7.42%	-0.70%	6.72%	0.23%	6.95%	0.15%	6.95%	11.50%
1155	Santa Fe	61	63	8.89%	8.93%	17.82%	0.00%	17.82%	8.85%	9.53%	18.38%	0.00%	18.38%	0.56%	18.38%	NO MAX
1158	Savoy	3	4	5.10%	-2.62%	2.48%	0.47%	2.95%	4.21%	-2.85%	1.36%	0.47%	1.83%	-1.12%	1.83%	10.50%
1159	Schertz	354	356	10.94%	5.28%	16.22%	0.14%	16.36%	10.96%	5.22%	16.18%	0.22%	16.40%	0.04%	16.40%	NO MAX
1160	Schulenburg	41	39	9.44%	9.18%	18.62%	0.24%	18.86%	9.88%	8.05%	17.93%	0.43%	18.36%	-0.50%	18.36%	NO MAX
1161	Seabrook	107	110	10.12%	5.50%	15.62%	0.17%	15.79%	10.17%	5.94%	16.11%	0.29%	16.40%	0.61%	16.40%	NO MAX
1162	Seadrift	16	19	1.28%	1.40%	2.68%	0.17%	2.85%	1.44%	0.87%	2.31%	0.35%	2.66%	-0.19%	2.66%	NO MAX
1164	Seagoville	104	104	8.16%	3.07%	11.23%	0.21%	11.44%	7.82%	3.19%	11.01%	0.33%	11.34%	-0.10%	11.34%	13.50%
1166	Seagraves	18	18	7.40%	1.11%	8.51%	0.77%	9.28%	7.42%	0.98%	8.40%	0.59%	8.99%	-0.29%	8.99%	NO MAX
1167	Sealy	70	70	9.19%	3.55%	12.74%	0.20%	12.94%	9.52%	3.15%	12.67%	0.22%	12.89%	-0.05%	12.89%	NO MAX
1168	Seguin	415	415	9.98%	11.81%	21.79%	0.25%	22.04%	10.05%	12.15%	22.20%	0.36%	22.56%	0.52%	22.56%	NO MAX
1169	Selma	86	88	11.51%	3.70%	15.21%	0.10%	15.31%	11.29%	3.96%	15.25%	0.20%	15.45%	0.14%	15.45%	NO MAX
1170	Seminole	58	54	8.67%	3.12%	11.79%	0.29%	12.08%	8.46%	3.37%	11.83%	0.50%	12.33%	0.25%	12.33%	NO MAX
1171	Seven Points	17	20	9.61%	-5.91%	3.70%	0.35%	4.05%	9.09%	-5.06%	4.03%	0.48%	4.51%	0.46%	3.42%	13.50%
1172	Seymour	27	26	3.51%	3.94%	7.45%	0.67%	8.12%	3.53%	2.95%	6.48%	0.92%	7.40%	-0.72%	7.40%	8.50%
1165	Shady Shores	2	2	7.86%	2.65%	10.51%	0.06%	10.57%	7.86%	3.00%	10.86%	0.14%	11.00%	0.43%	11.00%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
		LAST YEAR	THIS YEAR	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
1177	Shallowater	15	15	4.71%	0.05%	4.76%	0.18%	4.94%	4.86%	-0.57%	4.29%	0.23%	4.52%	-0.42%	4.52%	10.50%
1174	Shamrock	13	15	3.20%	6.02%	9.22%	1.56%	10.78%	3.19%	5.65%	8.84%	1.39%	10.23%	-0.55%	10.23%	NO MAX
1173	Shavano Park	49	50	11.34%	2.64%	13.98%	0.18%	14.16%	11.67%	2.62%	14.29%	0.28%	14.57%	0.41%	14.57%	NO MAX
1175	Shenandoah	53	52	11.28%	7.01%	18.29%	0.15%	18.44%	11.21%	7.24%	18.45%	0.27%	18.72%	0.28%	18.72%	NO MAX
1181	Shepherd	9	10	4.81%	-2.06%	2.75%	0.23%	2.98%	4.79%	-2.26%	2.53%	0.35%	2.88%	-0.10%	2.88%	11.50%
1176	Sherman	459	455	9.08%	4.86%	13.94%	0.24%	14.18%	9.05%	4.64%	13.69%	0.35%	14.04%	-0.14%	14.04%	NO MAX
1178	Shiner	33	29	5.44%	5.38%	10.82%	0.48%	11.30%	5.35%	5.09%	10.44%	0.83%	11.27%	-0.03%	11.27%	NO MAX
1179	Shoreacres	7	9	6.24%	-2.08%	4.16%	0.31%	4.47%	6.12%	-1.69%	4.43%	0.50%	4.93%	0.46%	4.93%	9.50%
1180	Silsbee	66	64	10.16%	7.91%	18.07%	0.00%	18.07%	9.93%	8.62%	18.55%	0.00%	18.55%	0.48%	18.55%	NO MAX
1182	Silverton	3	4	5.52%	-1.02%	4.50%	0.47%	4.97%	5.23%	-0.72%	4.51%	0.48%	4.99%	0.02%	4.99%	NO MAX
1183	Simonton	2	2	6.38%	2.70%	9.08%	0.03%	9.11%	7.66%	3.03%	10.69%	0.08%	10.77%	1.66%	10.77%	NO MAX
1184	Sinton	43	42	8.15%	4.31%	12.46%	0.29%	12.75%	7.98%	4.78%	12.76%	0.40%	13.16%	0.41%	13.16%	NO MAX
1185	Skellytown	4	5	3.72%	-1.81%	1.91%	0.06%	1.97%	3.68%	-1.77%	1.91%	0.27%	2.18%	0.21%	2.18%	9.50%
1186	Slaton	46	45	6.21%	0.71%	6.92%	0.36%	7.28%	5.83%	0.64%	6.47%	0.53%	7.00%	-0.28%	7.00%	12.50%
1188	Smithville	64	66	5.01%	1.79%	6.80%	0.35%	7.15%	5.11%	1.74%	6.85%	0.55%	7.40%	0.25%	7.40%	9.50%
1189	Smyer	2	2	5.34%	1.86%	7.20%	0.15%	7.35%	5.36%	-0.17%	5.19%	0.34%	5.53%	-1.82%	5.53%	13.50%
1190	Snyder	83	84	9.48%	3.97%	13.45%	0.33%	13.78%	9.34%	3.91%	13.25%	0.49%	13.74%	-0.04%	13.74%	NO MAX
1191	Somerset	13	13	2.77%	-0.39%	2.38%	1.73%	4.11%	2.86%	-0.47%	2.39%	3.42%	5.81%	1.70%	5.81%	9.50%
1192	Somerville	16	15	5.41%	-0.77%	4.64%	0.42%	5.06%	5.11%	-1.05%	4.06%	0.42%	4.48%	-0.58%	4.48%	9.50%
1194	Sonora	31	33	6.59%	1.12%	7.71%	0.45%	8.16%	6.47%	0.87%	7.34%	0.48%	7.82%	-0.34%	7.82%	NO MAX
1196	Sour Lake	14	15	6.18%	-0.74%	5.44%	0.23%	5.67%	6.09%	-0.84%	5.25%	0.37%	5.62%	-0.05%	5.62%	13.50%
1198	South Houston	119	113	6.38%	2.49%	8.87%	0.36%	9.23%	6.46%	2.78%	9.24%	0.56%	9.80%	0.57%	9.80%	NO MAX
1199	South Padre Island	159	169	11.02%	1.23%	12.25%	0.20%	12.45%	10.87%	1.63%	12.50%	0.30%	12.80%	0.35%	12.80%	13.50%
1197	Southlake	352	356	9.37%	2.96%	12.33%	0.14%	12.47%	9.36%	2.80%	12.16%	0.24%	12.40%	-0.07%	12.40%	13.50%
1200	Southmayd	9	7	1.62%	1.80%	3.42%	0.10%	3.52%	1.59%	1.68%	3.27%	0.19%	3.46%	-0.06%	3.46%	NO MAX
1202	Southside Place	21	20	8.48%	2.53%	11.01%	0.34%	11.35%	8.66%	2.30%	10.96%	0.53%	11.49%	0.14%	11.49%	NO MAX
1204	Spearman	26	26	9.29%	1.45%	10.74%	0.33%	11.07%	9.30%	0.13%	9.43%	0.51%	9.94%	-1.13%	9.94%	13.50%
1201	Splendora	29	34	6.94%	4.49%	11.43%	0.13%	11.56%	6.52%	4.55%	11.07%	0.23%	11.30%	-0.26%	11.30%	NO MAX
1205	Spring Valley Village	39	41	5.58%	0.75%	6.33%	0.17%	6.50%	5.61%	0.52%	6.13%	0.30%	6.43%	-0.07%	6.43%	NO MAX
1203	Springtown	47	47	10.79%	-1.07%	9.72%	0.20%	9.92%	10.69%	-1.42%	9.27%	0.32%	9.59%	-0.33%	9.59%	13.50%
1206	Spur	8	9	2.49%	2.31%	4.80%	0.28%	5.08%	2.65%	2.60%	5.25%	0.68%	5.93%	0.85%	5.93%	NO MAX
1207	Stafford	187	175	11.31%	2.31%	13.62%	0.22%	13.84%	11.07%	2.06%	13.13%	0.36%	13.49%	-0.35%	13.49%	NO MAX
1208	Stamford	22	19	5.52%	-0.73%	4.79%	0.68%	5.47%	4.87%	-1.77%	3.10%	0.69%	3.79%	-1.68%	3.79%	9.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members LAST YEAR THIS YEAR		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
1210	Stanton	20	21	4.58%	1.04%	5.62%	0.20%	5.82%	4.69%	0.39%	5.08%	0.31%	5.39%	-0.43%	5.39%	9.50%
1211	Star Harbor	4	5	7.67%	5.20%	12.87%	1.03%	13.90%	7.72%	8.17%	15.89%	1.06%	16.95%	3.05%	16.95%	NO MAX
1212	Stephenville	158	161	7.51%	-0.68%	6.83%	0.26%	7.09%	7.53%	-1.06%	6.47%	0.38%	6.85%	-0.24%	6.85%	NO MAX
1213	Sterling City	6	8	1.35%	-0.22%	1.13%	0.00%	1.13%	1.37%	-0.29%	1.08%	0.00%	1.08%	-0.05%	1.08%	7.50%
1214	Stinnett	19	19	2.26%	-2.03%	0.23%	0.22%	0.45%	2.40%	-2.40%	0.00%	0.32%	0.32%	-0.13%	0.32%	9.50%
1216	Stockdale	8	9	2.86%	1.76%	4.62%	0.35%	4.97%	2.72%	1.49%	4.21%	0.64%	4.85%	-0.12%	4.85%	NO MAX
1218	Stratford	12	13	7.37%	2.20%	9.57%	0.31%	9.88%	7.46%	1.93%	9.39%	0.51%	9.90%	0.02%	9.90%	NO MAX
1224	Sudan	9	8	1.57%	0.04%	1.61%	0.00%	1.61%	1.49%	-0.54%	0.95%	0.00%	0.95%	-0.66%	0.95%	7.50%
1225	Sugar Land	790	793	10.80%	3.55%	14.35%	0.13%	14.48%	10.73%	3.63%	14.36%	0.24%	14.60%	0.12%	14.60%	NO MAX
1223	Sullivan City	N/A	25	1.20%	0.76%	1.96%	0.05%	2.01%	1.15%	1.13%	2.28%	0.09%	2.37%	0.36%	2.37%	NO MAX
1226	Sulphur Springs	148	144	4.69%	3.18%	7.87%	0.30%	8.17%	4.64%	2.18%	6.82%	0.44%	7.26%	-0.91%	7.26%	NO MAX
1228	Sundown	11	13	8.08%	4.15%	12.23%	0.41%	12.64%	8.20%	3.46%	11.66%	0.58%	12.24%	-0.40%	12.24%	NO MAX
1229	Sunnyvale	72	76	10.20%	1.38%	11.58%	0.19%	11.77%	10.13%	0.93%	11.06%	0.28%	11.34%	-0.43%	11.34%	NO MAX
1230	Sunray	13	12	9.90%	4.49%	14.39%	0.32%	14.71%	10.20%	3.03%	13.23%	0.49%	13.72%	-0.99%	13.72%	NO MAX
1227	Sunrise Beach Village	10	11	1.40%	0.06%	1.46%	0.21%	1.67%	1.77%	-0.18%	1.59%	0.34%	1.93%	0.26%	1.93%	7.50%
1231	Sunset Valley	23	24	10.09%	1.45%	11.54%	0.13%	11.67%	9.66%	1.25%	10.91%	0.22%	11.13%	-0.54%	11.13%	13.50%
1233	Surfside Beach	27	31	5.86%	-0.37%	5.49%	0.18%	5.67%	5.95%	-0.46%	5.49%	0.28%	5.77%	0.10%	5.77%	13.50%
1232	Sweeny	23	24	9.17%	6.07%	15.24%	0.50%	15.74%	9.11%	5.66%	14.77%	0.66%	15.43%	-0.31%	15.43%	NO MAX
1234	Sweetwater	99	106	9.15%	7.03%	16.18%	0.30%	16.48%	9.17%	7.27%	16.44%	0.43%	16.87%	0.39%	16.87%	NO MAX
1264	TMRS	120	118	11.23%	3.96%	15.19%	0.17%	15.36%	11.36%	3.70%	15.06%	0.33%	15.39%	0.03%	15.39%	NO MAX
1236	Taft	30	29	11.58%	3.61%	15.19%	0.41%	15.60%	12.51%	3.30%	15.81%	0.65%	16.46%	0.86%	16.46%	NO MAX
1238	Tahoka	21	20	5.72%	-3.63%	2.09%	0.41%	2.50%	5.76%	-3.77%	1.99%	0.49%	2.48%	-0.02%	2.48%	11.50%
1240	Talty	6	6	5.78%	5.66%	11.44%	0.44%	11.88%	5.67%	4.95%	10.62%	0.77%	11.39%	-0.49%	11.39%	NO MAX
1241	Tatum	10	8	1.34%	0.41%	1.75%	0.20%	1.95%	1.51%	0.36%	1.87%	0.34%	2.21%	0.26%	2.21%	7.50%
1246	Taylor	153	156	9.09%	3.60%	12.69%	0.23%	12.92%	9.19%	3.51%	12.70%	0.35%	13.05%	0.13%	13.05%	NO MAX
1248	Teague	22	21	8.74%	-0.81%	7.93%	0.33%	8.26%	8.29%	-0.82%	7.47%	0.39%	7.86%	-0.40%	7.86%	13.50%
1252	Temple	707	712	10.75%	5.98%	16.73%	0.26%	16.99%	10.66%	6.14%	16.80%	0.37%	17.17%	0.18%	17.17%	NO MAX
1254	Tenaha	7	6	1.07%	-1.07%	0.00%	0.52%	0.52%	1.21%	-1.21%	0.00%	0.65%	0.65%	0.13%	0.65%	7.50%
1256	Terrell	185	187	10.90%	5.35%	16.25%	0.27%	16.52%	10.90%	5.75%	16.65%	0.38%	17.03%	0.51%	17.03%	NO MAX
1258	Terrell Hills	50	50	9.85%	5.65%	15.50%	0.20%	15.70%	9.67%	6.03%	15.70%	0.30%	16.00%	0.30%	16.00%	NO MAX
31263	Tex Municipal League IEBP	124	121	5.73%	2.78%	8.51%	0.15%	8.66%	5.74%	2.35%	8.09%	0.31%	8.40%	-0.26%	8.40%	12.50%
21263	Tex Municipal League IRP	244	252	10.01%	0.43%	10.44%	0.18%	10.62%	10.03%	0.57%	10.60%	0.33%	10.93%	0.31%	10.93%	NO MAX
21260	Texarkana	203	189	9.20%	5.74%	14.94%	0.00%	14.94%	9.23%	6.57%	15.80%	0.00%	15.80%	0.86%	15.80%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
		LAST YEAR	THIS YEAR	WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN					WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
11260	Texarkana Police Dept	89	88	10.15%	4.60%	14.75%	0.00%	14.75%	10.10%	4.37%	14.47%	0.00%	14.47%	-0.28%	14.47%	NO MAX
31260	Texarkana Water Utilities	158	163	9.74%	6.29%	16.03%	0.00%	16.03%	9.85%	6.85%	16.70%	0.00%	16.70%	0.67%	16.70%	NO MAX
1262	Texas City	422	418	10.08%	6.71%	16.79%	0.00%	16.79%	9.93%	6.95%	16.88%	0.00%	16.88%	0.09%	16.88%	NO MAX
11263	Texas Municipal League	33	33	7.70%	5.63%	13.33%	0.24%	13.57%	7.78%	5.88%	13.66%	0.40%	14.06%	0.49%	14.06%	NO MAX
1267	The Colony	375	380	9.89%	3.58%	13.47%	0.16%	13.63%	10.02%	3.43%	13.45%	0.26%	13.71%	0.08%	13.71%	NO MAX
1269	Thompsons	3	2	1.86%	2.26%	4.12%	0.18%	4.30%	2.41%	3.20%	5.61%	0.56%	6.17%	1.87%	6.17%	NO MAX
1268	Thorndale	10	11	6.20%	1.12%	7.32%	0.34%	7.66%	6.39%	0.65%	7.04%	0.52%	7.56%	-0.10%	7.56%	9.50%
1272	Thrall	7	7	3.95%	2.03%	5.98%	0.29%	6.27%	3.72%	1.54%	5.26%	0.70%	5.96%	-0.31%	5.96%	NO MAX
1274	Three Rivers	38	35	10.11%	13.15%	23.26%	0.52%	23.78%	10.14%	14.24%	24.38%	0.98%	25.36%	1.58%	25.36%	NO MAX
1276	Throckmorton	5	5	5.88%	-0.29%	5.59%	0.45%	6.04%	5.96%	0.05%	6.01%	0.58%	6.59%	0.55%	6.59%	9.50%
1277	Tiki Island	8	8	2.37%	1.15%	3.52%	0.23%	3.75%	2.37%	1.08%	3.45%	0.47%	3.92%	0.17%	3.92%	NO MAX
1278	Timpson	7	6	2.72%	-1.08%	1.64%	0.36%	2.00%	2.59%	-1.89%	0.70%	0.56%	1.26%	-0.74%	1.26%	7.50%
1280	Tioga	11	10	4.15%	-0.14%	4.01%	0.13%	4.14%	4.47%	-0.21%	4.26%	0.30%	4.56%	0.42%	4.56%	11.50%
1283	Tolar	5	6	7.33%	-0.27%	7.06%	0.20%	7.26%	7.51%	-0.33%	7.18%	0.30%	7.48%	0.22%	7.48%	NO MAX
1286	Tom Bean	6	8	3.59%	-0.85%	2.74%	0.17%	2.91%	3.44%	-0.90%	2.54%	0.23%	2.77%	-0.14%	2.77%	10.50%
1284	Tomball	186	185	9.22%	3.76%	12.98%	0.22%	13.20%	9.30%	3.74%	13.04%	0.30%	13.34%	0.14%	13.34%	NO MAX
1290	Trent	2	1	4.78%	0.16%	4.94%	0.67%	5.61%	4.03%	-1.84%	2.19%	0.81%	3.00%	-2.61%	3.00%	11.50%
1292	Trenton	6	6	4.79%	-0.61%	4.18%	0.35%	4.53%	4.42%	-0.75%	3.67%	0.58%	4.25%	-0.28%	4.25%	9.50%
1293	Trinidad	7	7	8.41%	3.47%	11.88%	0.39%	12.27%	9.15%	5.35%	14.50%	0.63%	15.13%	2.86%	15.13%	13.50%
1294	Trinity	21	23	6.31%	-0.08%	6.23%	0.44%	6.67%	6.34%	-0.82%	5.52%	0.74%	6.26%	-0.41%	6.26%	11.50%
1295	Trophy Club	78	73	10.63%	1.95%	12.58%	0.17%	12.75%	10.71%	1.97%	12.68%	0.31%	12.99%	0.24%	12.99%	NO MAX
1296	Troup	22	22	4.58%	0.68%	5.26%	0.39%	5.65%	4.45%	0.88%	5.33%	0.50%	5.83%	0.18%	5.83%	9.50%
1297	Troy	12	13	9.63%	0.56%	10.19%	0.44%	10.63%	9.61%	-0.05%	9.56%	0.77%	10.33%	-0.30%	10.33%	13.50%
1298	Tulia	38	37	7.81%	0.51%	8.32%	0.29%	8.61%	8.59%	-0.13%	8.46%	0.41%	8.87%	0.26%	8.87%	NO MAX
1299	Turkey	4	4	2.11%	3.15%	5.26%	0.81%	6.07%	2.10%	3.14%	5.24%	0.87%	6.11%	0.04%	6.11%	NO MAX
1300	Tuscola	4	4	2.01%	3.66%	5.67%	0.12%	5.79%	1.92%	2.75%	4.67%	0.13%	4.80%	-0.99%	4.80%	NO MAX
1301	Tye	16	16	3.86%	1.65%	5.51%	0.20%	5.71%	4.52%	1.28%	5.80%	0.32%	6.12%	0.41%	6.12%	NO MAX
1304	Tyler	701	710	9.44%	11.20%	20.64%	0.31%	20.95%	9.45%	11.20%	20.65%	0.44%	21.09%	0.14%	21.09%	NO MAX
1307	Uhland	N/A	5	2.35%	11.50%	13.85%	0.08%	13.93%	2.81%	10.19%	13.00%	0.20%	13.20%	-0.73%	13.20%	NO MAX
1305	Universal City	129	130	9.97%	8.67%	18.64%	0.17%	18.81%	9.91%	8.92%	18.83%	0.27%	19.10%	0.29%	19.10%	NO MAX
1306	University Park	217	221	5.87%	2.78%	8.65%	0.00%	8.65%	5.90%	2.27%	8.17%	0.00%	8.17%	-0.48%	8.17%	NO MAX
1308	Uvalde	167	165	6.12%	2.90%	9.02%	0.23%	9.25%	6.12%	2.68%	8.80%	0.35%	9.15%	-0.10%	9.15%	11.50%
1312	Valley Mills	8	9	2.23%	-0.20%	2.03%	0.11%	2.14%	2.02%	-0.37%	1.65%	0.17%	1.82%	-0.32%	1.82%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN					WITHOUT MAXIMUM OR PHASE-IN							
		LAST YEAR	THIS YEAR	RETIREMENT PLAN			SUPPL DEATH	GRAND TOTAL	RETIREMENT PLAN			SUPPL DEATH	GRAND TOTAL			
		NORMAL COST	PRIOR SERVICE	TOTAL	NORMAL COST	PRIOR SERVICE			TOTAL							
1313	Valley View	5	6	1.89%	-0.14%	1.75%	0.13%	1.88%	1.93%	-0.29%	1.64%	0.21%	1.85%	-0.03%	1.85%	NO MAX
1314	Van	25	25	7.20%	-0.53%	6.67%	0.30%	6.97%	6.97%	-0.67%	6.30%	0.44%	6.74%	-0.23%	6.74%	12.50%
1316	Van Alstyne	47	53	9.87%	2.89%	12.76%	0.21%	12.97%	9.91%	2.95%	12.86%	0.31%	13.17%	0.20%	13.17%	13.50%
1318	Van Horn	22	25	4.78%	3.22%	8.00%	0.27%	8.27%	4.91%	3.07%	7.98%	0.43%	8.41%	0.14%	8.41%	9.50%
1320	Vega	4	5	10.39%	9.91%	20.30%	0.40%	20.70%	10.53%	10.14%	20.67%	0.48%	21.15%	0.45%	21.15%	NO MAX
1324	Venus	26	32	10.68%	0.01%	10.69%	0.00%	10.69%	10.84%	-0.04%	10.80%	0.00%	10.80%	0.11%	10.80%	13.50%
1326	Vernon	88	86	7.41%	4.17%	11.58%	0.47%	12.05%	7.49%	4.28%	11.77%	0.56%	12.33%	0.28%	12.33%	NO MAX
1328	Victoria	585	560	7.69%	8.02%	15.71%	0.30%	16.01%	7.72%	8.39%	16.11%	0.43%	16.54%	0.53%	16.54%	NO MAX
1329	Vidor	66	70	9.95%	4.79%	14.74%	0.34%	15.08%	9.58%	4.74%	14.32%	0.48%	14.80%	-0.28%	14.80%	NO MAX
1500	Village Fire Department	48	47	5.26%	1.29%	6.55%	0.15%	6.70%	5.24%	0.98%	6.22%	0.26%	6.48%	-0.22%	6.48%	NO MAX
1327	Village of the Hills	1	1	6.65%	1.84%	8.49%	0.05%	8.54%	6.65%	2.36%	9.01%	0.11%	9.12%	0.58%	9.12%	NO MAX
1330	Waco	1,433	1,477	7.72%	6.62%	14.34%	0.00%	14.34%	7.73%	5.94%	13.67%	0.00%	13.67%	-0.67%	13.67%	NO MAX
1332	Waelder	20	20	2.25%	0.40%	2.65%	0.42%	3.07%	2.34%	-0.29%	2.05%	0.54%	2.59%	-0.48%	2.59%	7.50%
1334	Wake Village	25	22	9.64%	4.36%	14.00%	0.45%	14.45%	9.83%	4.05%	13.88%	0.72%	14.60%	0.15%	14.60%	NO MAX
1336	Waller	40	38	8.83%	2.17%	11.00%	0.36%	11.36%	8.59%	2.77%	11.36%	0.63%	11.99%	0.63%	11.99%	13.50%
1337	Wallis	16	14	2.97%	-0.64%	2.33%	0.22%	2.55%	2.88%	-0.75%	2.13%	0.39%	2.52%	-0.03%	2.52%	8.50%
1338	Walnut Springs	2	2	1.55%	2.42%	3.97%	0.24%	4.21%	1.56%	2.47%	4.03%	0.37%	4.40%	0.19%	4.40%	NO MAX
1340	Waskom	14	15	9.00%	11.73%	20.73%	0.30%	21.03%	9.53%	13.76%	23.29%	0.38%	23.67%	2.64%	23.67%	NO MAX
1341	Watauga	150	143	10.26%	4.56%	14.82%	0.19%	15.01%	10.10%	4.64%	14.74%	0.32%	15.06%	0.05%	15.06%	NO MAX
1342	Waxahachie	312	317	10.12%	5.48%	15.60%	0.18%	15.78%	10.24%	5.65%	15.89%	0.30%	16.19%	0.41%	16.19%	NO MAX
1344	Weatherford	361	364	9.67%	3.85%	13.52%	0.22%	13.74%	9.70%	3.81%	13.51%	0.33%	13.84%	0.10%	13.84%	NO MAX
1345	Webster	163	169	12.32%	5.20%	17.52%	0.24%	17.76%	11.90%	5.18%	17.08%	0.36%	17.44%	-0.32%	17.44%	NO MAX
1346	Weimar	29	28	8.92%	4.81%	13.73%	0.35%	14.08%	9.27%	3.87%	13.14%	0.56%	13.70%	-0.38%	13.70%	NO MAX
1350	Wellington	14	11	4.87%	-1.58%	3.29%	0.47%	3.76%	4.89%	-2.14%	2.75%	0.79%	3.54%	-0.22%	3.54%	NO MAX
1352	Wells	6	8	3.99%	-0.84%	3.15%	0.00%	3.15%	3.94%	-0.58%	3.36%	0.00%	3.36%	0.21%	3.36%	7.50%
1354	Weslaco	245	270	4.97%	3.07%	8.04%	0.25%	8.29%	4.98%	2.51%	7.49%	0.36%	7.85%	-0.44%	7.85%	NO MAX
1356	West	21	19	5.17%	0.59%	5.76%	0.27%	6.03%	5.13%	-0.20%	4.93%	0.44%	5.37%	-0.66%	5.37%	11.50%
1358	West Columbia	34	34	5.19%	-1.23%	3.96%	0.00%	3.96%	5.29%	-1.51%	3.78%	0.00%	3.78%	-0.18%	3.78%	11.50%
1359	West Lake Hills	25	26	11.25%	4.80%	16.05%	0.44%	16.49%	11.49%	4.59%	16.08%	0.44%	16.52%	0.03%	16.52%	NO MAX
1361	West Orange	24	24	9.94%	8.86%	18.80%	0.00%	18.80%	9.96%	9.05%	19.01%	0.00%	19.01%	0.21%	19.01%	NO MAX
1365	West Tawakoni	10	10	5.29%	2.33%	7.62%	0.36%	7.98%	5.45%	-0.40%	5.05%	0.51%	5.56%	-2.42%	5.56%	NO MAX
1364	West Univ. Place	127	131	8.68%	4.23%	12.91%	0.22%	13.13%	8.86%	3.66%	12.52%	0.36%	12.88%	-0.25%	12.88%	NO MAX
1363	Westlake	46	48	9.05%	2.54%	11.59%	0.12%	11.71%	9.25%	2.62%	11.87%	0.21%	12.08%	0.37%	12.08%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members		2022 RATES					2023 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				WITHOUT MAXIMUM OR PHASE-IN					WITHOUT MAXIMUM OR PHASE-IN							
		LAST YEAR	THIS YEAR	RETIREMENT PLAN			SUPPL DEATH	GRAND TOTAL	RETIREMENT PLAN			SUPPL DEATH	GRAND TOTAL			
		NORMAL COST	PRIOR SERVICE	TOTAL	NORMAL COST	PRIOR SERVICE			TOTAL							
1362	Westover Hills	24	22	5.56%	0.48%	6.04%	0.45%	6.49%	5.38%	0.25%	5.63%	0.60%	6.23%	-0.26%	6.23%	13.50%
1366	Westworth Village	38	36	10.03%	0.47%	10.50%	0.23%	10.73%	10.01%	0.39%	10.40%	0.35%	10.75%	0.02%	10.75%	13.50%
1368	Wharton	103	97	4.66%	0.40%	5.06%	0.24%	5.30%	4.57%	0.37%	4.94%	0.39%	5.33%	0.03%	5.33%	9.50%
1370	Wheeler	7	7	6.91%	2.32%	9.23%	0.23%	9.46%	6.91%	3.47%	10.38%	0.33%	10.71%	1.25%	10.71%	NO MAX
1372	White Deer	6	6	3.86%	5.56%	9.42%	1.04%	10.46%	4.00%	6.59%	10.59%	1.41%	12.00%	1.54%	12.00%	NO MAX
1377	White Oak	43	40	11.24%	1.55%	12.79%	0.31%	13.10%	11.18%	2.76%	13.94%	0.49%	14.43%	1.33%	14.43%	NO MAX
1378	White Settlement	120	120	9.67%	7.40%	17.07%	0.21%	17.28%	9.42%	7.54%	16.96%	0.32%	17.28%	0.00%	17.28%	NO MAX
1374	Whiteface	3	3	6.01%	-3.17%	2.84%	1.20%	4.04%	5.99%	-3.35%	2.64%	1.58%	4.22%	0.18%	4.22%	NO MAX
1375	Whitehouse	45	48	6.95%	1.36%	8.31%	0.23%	8.54%	7.00%	0.98%	7.98%	0.34%	8.32%	-0.22%	8.32%	11.50%
1376	Whitesboro	48	48	5.16%	0.70%	5.86%	0.22%	6.08%	5.16%	0.37%	5.53%	0.38%	5.91%	-0.17%	5.91%	9.50%
1380	Whitewright	19	19	3.44%	-0.57%	2.87%	0.26%	3.13%	3.64%	-0.97%	2.67%	0.36%	3.03%	-0.10%	3.03%	9.50%
1382	Whitney	20	19	3.54%	0.07%	3.61%	0.22%	3.83%	3.37%	-0.29%	3.08%	0.36%	3.44%	-0.39%	3.44%	7.50%
1384	Wichita Falls	932	980	6.89%	9.53%	16.42%	0.00%	16.42%	6.89%	9.29%	16.18%	0.00%	16.18%	-0.24%	16.18%	NO MAX
1386	Willis	45	40	8.01%	1.46%	9.47%	0.22%	9.69%	7.86%	0.61%	8.47%	0.39%	8.86%	-0.83%	8.86%	13.50%
1387	Willow Park	42	45	6.28%	0.71%	6.99%	0.11%	7.10%	6.37%	0.54%	6.91%	0.24%	7.15%	0.05%	7.15%	NO MAX
1388	Wills Point	28	30	5.76%	5.06%	10.82%	0.43%	11.25%	5.89%	4.54%	10.43%	0.46%	10.89%	-0.36%	10.89%	NO MAX
1390	Wilmer	55	66	5.60%	-0.18%	5.42%	0.12%	5.54%	5.49%	-0.24%	5.25%	0.18%	5.43%	-0.11%	5.43%	13.50%
1392	Wimberley	9	11	4.07%	1.59%	5.66%	0.30%	5.96%	4.54%	1.57%	6.11%	0.44%	6.55%	0.59%	6.55%	NO MAX
1393	Windcrest	74	73	6.63%	0.37%	7.00%	0.20%	7.20%	6.54%	0.35%	6.89%	0.31%	7.20%	0.00%	7.20%	10.50%
1395	Winfield	2	2	2.90%	-0.32%	2.58%	0.24%	2.82%	2.90%	-0.38%	2.52%	0.55%	3.07%	0.25%	3.07%	NO MAX
1396	Wink	12	11	6.27%	-0.25%	6.02%	0.24%	6.26%	6.33%	-0.32%	6.01%	0.52%	6.53%	0.27%	6.53%	NO MAX
1398	Winnsboro	42	38	6.65%	2.15%	8.80%	0.25%	9.05%	6.33%	2.52%	8.85%	0.39%	9.24%	0.19%	9.24%	11.50%
1399	Winona	4	6	12.01%	-7.25%	4.76%	0.47%	5.23%	11.47%	-5.12%	6.35%	0.57%	6.92%	1.69%	5.60%	13.50%
1400	Winters	15	15	7.88%	2.77%	10.65%	0.73%	11.38%	7.64%	-0.49%	7.15%	1.00%	8.15%	-3.23%	8.15%	11.50%
1403	Wolfforth	39	46	6.96%	3.97%	10.93%	0.15%	11.08%	6.94%	3.96%	10.90%	0.22%	11.12%	0.04%	11.12%	NO MAX
1409	Woodcreek	3	4	9.81%	0.60%	10.41%	0.50%	10.91%	9.48%	-0.33%	9.15%	0.59%	9.74%	-1.17%	9.74%	NO MAX
1404	Woodsboro	10	10	3.80%	-1.86%	1.94%	0.18%	2.12%	3.85%	-2.00%	1.85%	0.26%	2.11%	-0.01%	2.11%	7.50%
1406	Woodville	33	32	10.07%	6.49%	16.56%	0.29%	16.85%	10.03%	6.76%	16.79%	0.47%	17.26%	0.41%	17.26%	NO MAX
1407	Woodway	84	87	9.62%	8.05%	17.67%	0.18%	17.85%	9.61%	7.62%	17.23%	0.27%	17.50%	-0.35%	17.50%	NO MAX
1408	Wortham	8	7	6.70%	-0.49%	6.21%	0.09%	6.30%	6.70%	-0.55%	6.15%	0.17%	6.32%	0.02%	6.32%	12.50%
1410	Wylie	343	352	10.91%	4.36%	15.27%	0.12%	15.39%	10.91%	4.05%	14.96%	0.20%	15.16%	-0.23%	15.16%	NO MAX
1412	Yoakum	88	86	7.76%	8.24%	16.00%	0.34%	16.34%	7.66%	9.32%	16.98%	0.49%	17.47%	1.13%	17.47%	NO MAX
1414	Yorktown	11	10	1.23%	-1.23%	0.00%	0.60%	0.60%	1.31%	-1.31%	0.00%	0.99%	0.99%	0.39%	0.99%	7.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2021

CITY NUMBER	CITY NAME	Contributing Members LAST YEAR THIS YEAR		2022 RATES WITHOUT MAXIMUM OR PHASE-IN					2023 RATES WITHOUT MAXIMUM OR PHASE-IN					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				RETIREMENT PLAN					RETIREMENT PLAN							
				NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL	NORMAL COST	PRIOR SERVICE	TOTAL	SUPPL DEATH	GRAND TOTAL			
1415	Zavalla	10	10	3.52%	-1.53%	1.99%	0.00%	1.99%	3.57%	-1.45%	2.12%	0.00%	2.12%	0.13%	2.12%	9.50%

SECTION 3

RECONCILIATION OF FULL RETIREMENT RATES FROM PRIOR ACTUARIAL VALUATION REPORT

Section 3

Texas Municipal Retirement System

Reconciliation of Full Retirement Rates from Prior Actuarial Valuation Report

Actuarial valuations are based on long-term assumptions, and results in a specific year can, and almost certainly will, differ as actual plan experience deviates from the assumptions. The table at the end of this section provides a detailed breakdown of changes in each city's Full Retirement Rate (ADEC) from 2022 to 2023. A brief description of such changes is below.

Benefit Changes - Shows the increase or decrease in the contribution rate associated with any plan changes.

Assumption & Method Changes - Shows the increase or decrease in the contribution rate associated with actuarial assumption and method changes made, if any, as of the current valuation date and approved by the Board of Trustees.

Return on Actuarial Value of Assets (AVA) - Shows the change in the contribution rate associated with the return on the AVA being different than the assumed 6.75%. For the year ending December 31, 2021 the System-wide return on an AVA basis was 7.57%, but the returns will vary by city.

Contributions & Fully Amortized Prior Bases - Shows the total increase or decrease in the contribution rate associated with contributions different than the Full Retirement Rate, the contribution lag (see below), and the impact of the amortization bases which become fully amortized as of this valuation since payments for those bases are no longer part of the Prior Service Rate calculation. Contributions different from the Full Retirement Rate may include phase-in contributions, contributions in excess of the Full Retirement Rate, and/or lump sum contributions. The effect of the contribution lag refers to the time delay between the actuarial valuation date and the date the contribution rate becomes effective (i.e., the Actuarial Valuation as of December 31, 2021 sets the rate effective for 2023). This impact is expected to become immaterial once a city is contributing the Full Retirement Rate and the Full Retirement Rate stabilizes.

Payroll Growth - Shows the increase or decrease in the contribution rate associated with higher or lower than expected growth in the participating city's overall payroll. The amortization payments are calculated assuming payroll grows at a city's assumed rate each year. For most cities, the assumed payroll growth is 2.75%. Overall payroll growth greater (less) than the assumed rate will typically cause a decrease (increase) in the Prior Service Rate.

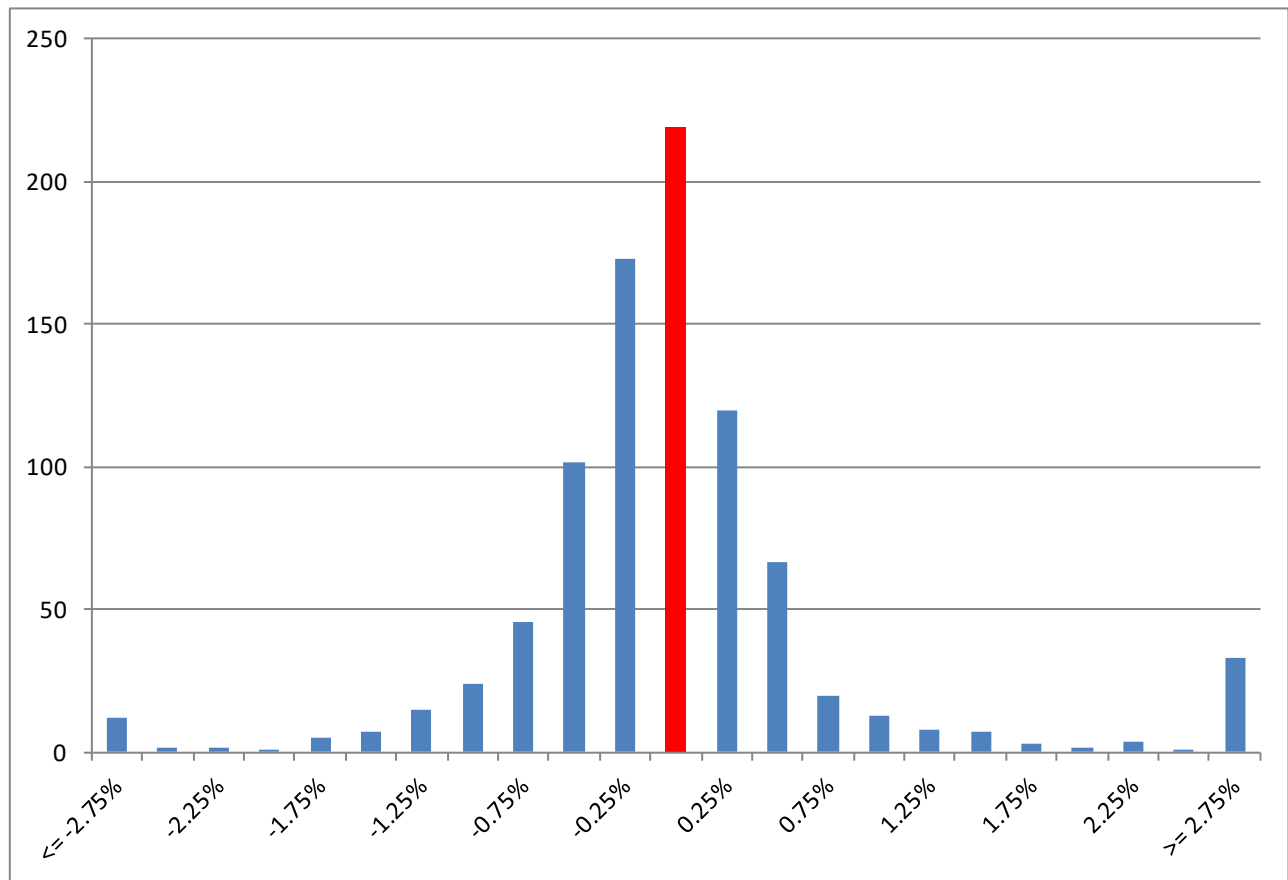
Normal Cost - Shows the increase or decrease in the contribution rate associated with changes in the average Normal Cost Rate for the individual city's active Members. The Normal Cost Rate for a Member is the contribution rate which, if applied to a Member's compensation throughout their period of anticipated covered service with the city, would be sufficient to meet all benefits payable on their behalf. The employer Normal Cost Rate is the pay-weighted average of the individual Normal Cost Rates less the Member Contribution Rate and will generally increase (decrease) as the average entry age of the group increases (decreases).

Liability Growth - Shows the increase or decrease in the contribution rate associated with larger or lower than expected growth in the city's overall plan liabilities than assumed. The most significant sources for variance will be turnover and individual salary increases differing from assumptions.



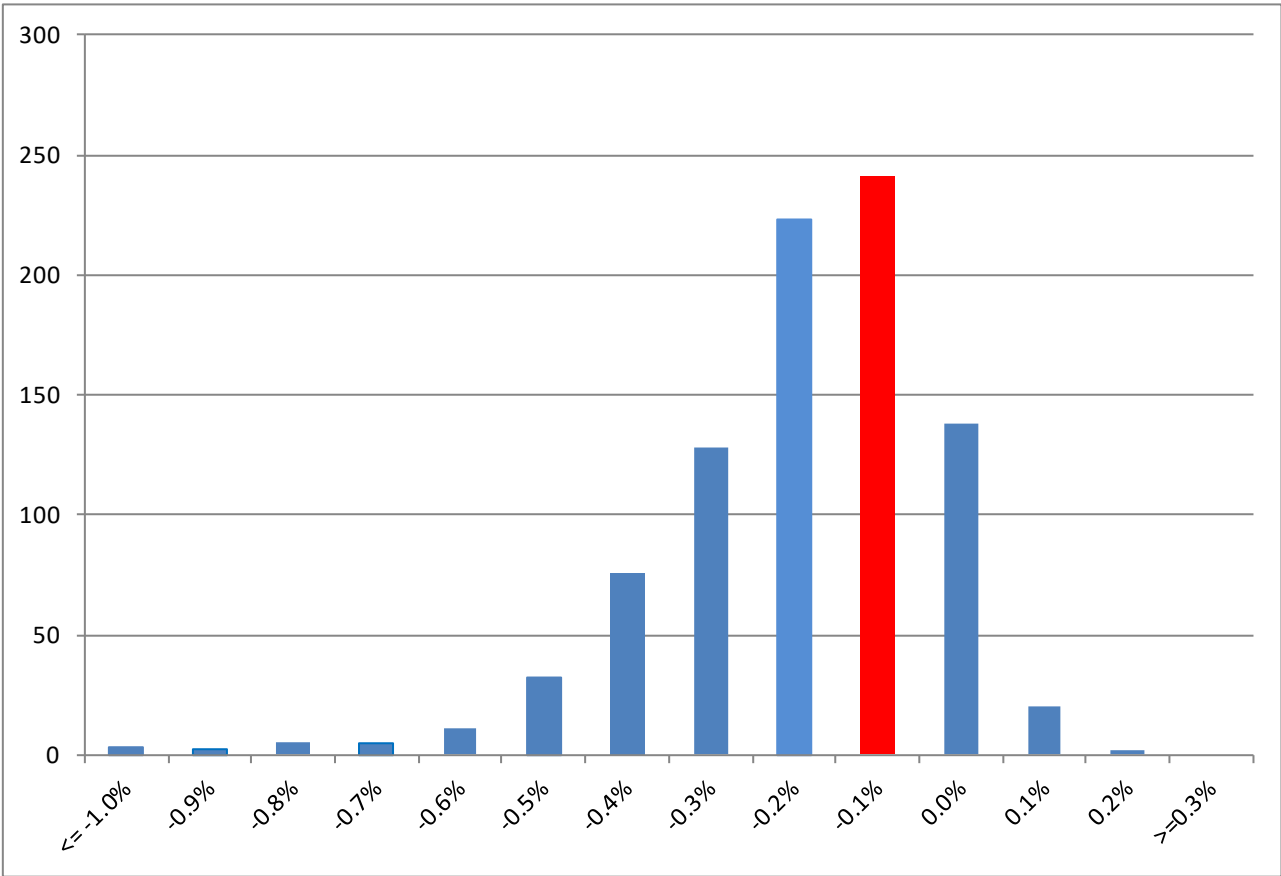
Distribution of Changes

Total Changes in Full Retirement Rate



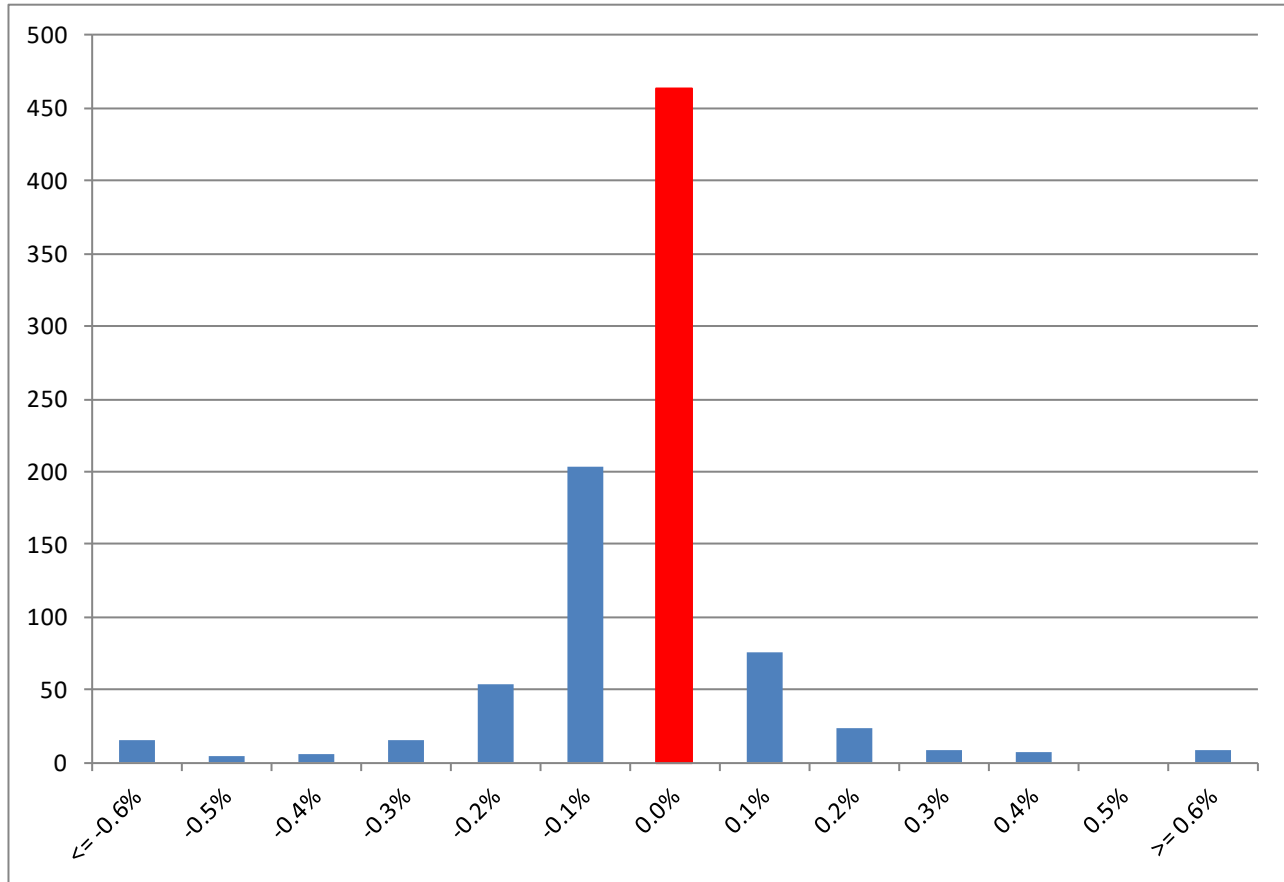
Distribution of Changes

Change Due to Return on Actuarial Value of Assets



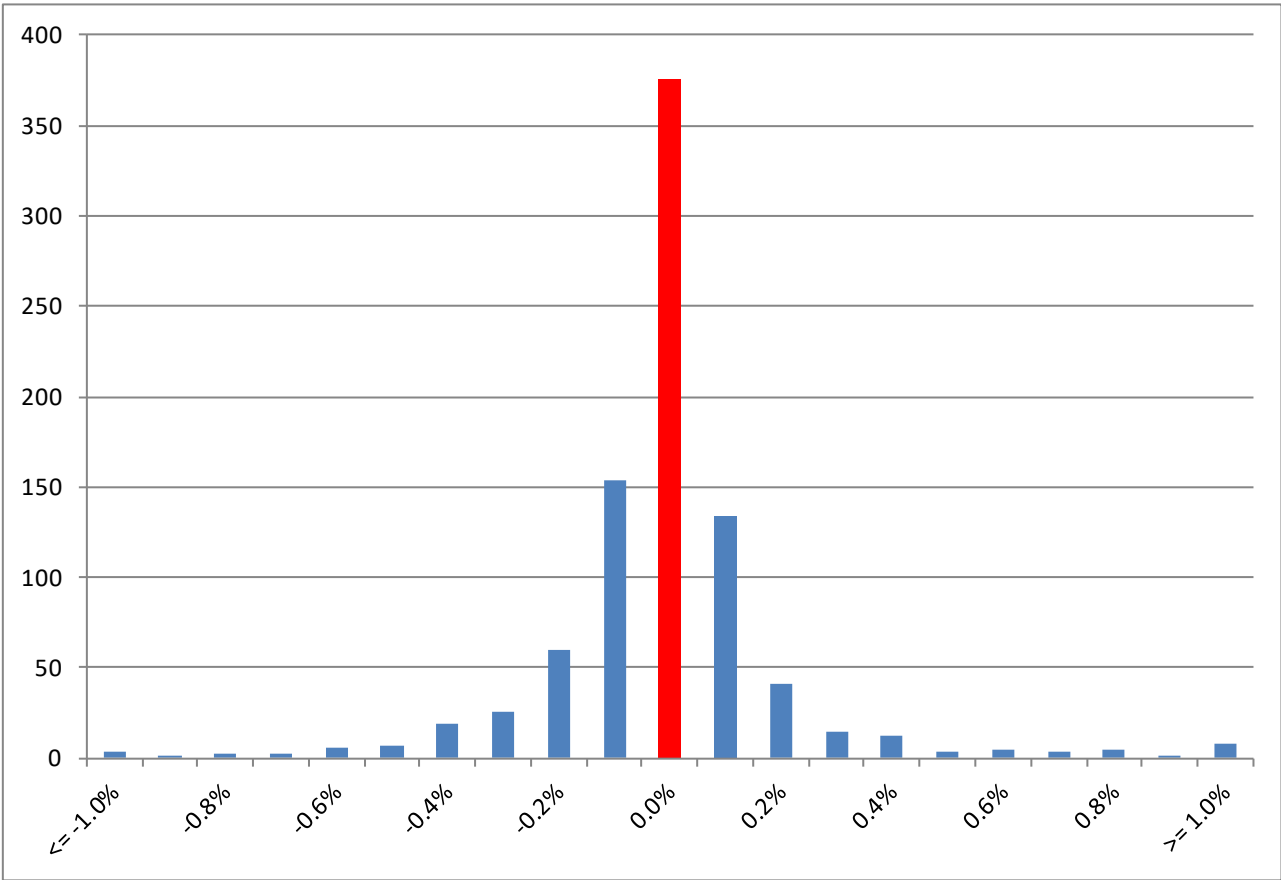
Distribution of Changes

Change Due to Contributions Different than Actuarial Rate and/or Fully Amortized Prior Bases



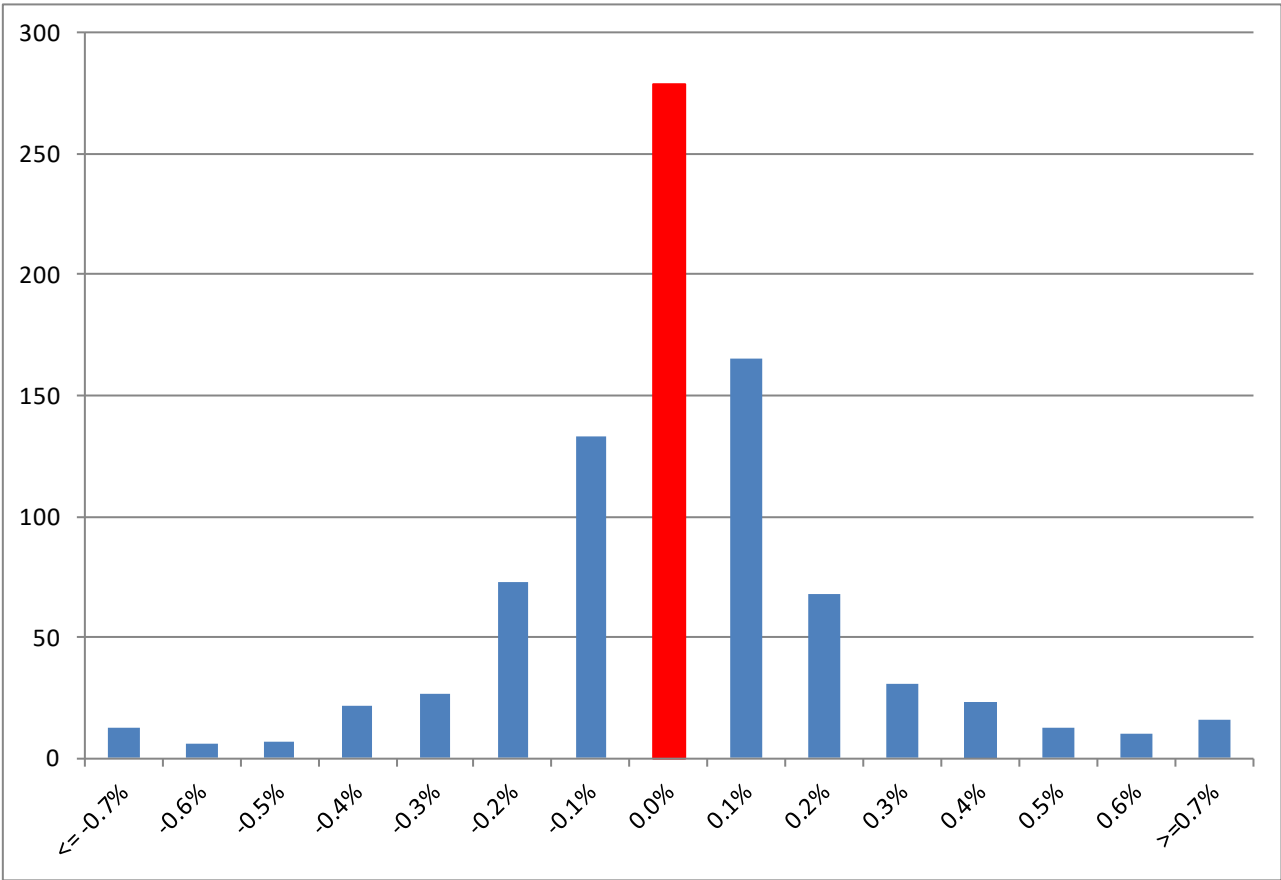
Distribution of Changes

Change Due to Payroll Growing Faster or Slower than Expected

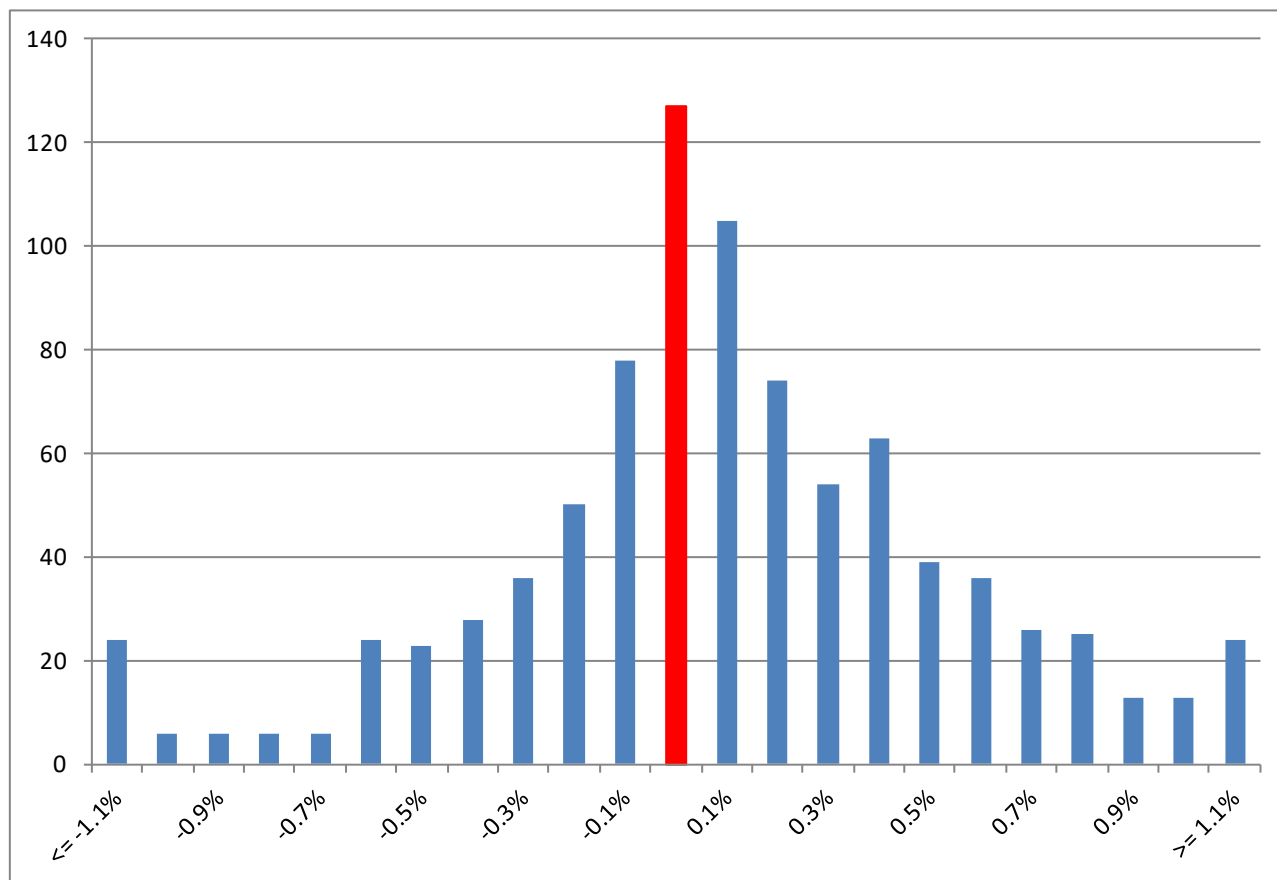


Distribution of Changes

Change Normal Cost Rate



Distribution of Changes Change Due to Liability Experience



Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method Changes		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Method Changes								
4	Abernathy	3.65%	0.00%	0.00%	-0.12%	0.00%	0.03%	-0.05%	0.20%	0.06%	3.71%	
6	Abilene	10.67%	0.00%	0.00%	-0.39%	-0.05%	0.00%	-0.01%	-0.14%	-0.59%	10.08%	
7	Addison	11.59%	0.00%	0.00%	-0.35%	-0.03%	-0.15%	0.09%	0.16%	-0.28%	11.31%	
8	Agua Dulce	8.88%	0.00%	0.00%	0.06%	0.16%	-0.05%	0.01%	0.09%	0.27%	9.15%	
10	Alamo	6.02%	0.00%	0.00%	-0.12%	-0.02%	-0.01%	0.05%	0.00%	-0.10%	5.92%	
12	Alamo Heights	16.57%	0.00%	0.00%	-0.22%	-0.08%	-0.31%	-0.15%	0.40%	-0.36%	16.21%	
14	Alba	13.75%	0.00%	0.00%	-0.06%	-0.02%	0.18%	0.16%	-0.49%	-0.23%	13.52%	
16	Albany	4.52%	0.00%	0.00%	-0.15%	-0.02%	0.10%	-0.06%	0.06%	-0.07%	4.45%	
17	Aledo	14.16%	0.00%	0.00%	0.00%	-0.31%	-0.23%	0.09%	-0.02%	-0.47%	13.69%	
18	Alice	4.21%	0.00%	0.00%	-0.31%	-0.03%	0.01%	-0.01%	0.23%	-0.11%	4.10%	
19	Allen	14.16%	0.00%	0.00%	-0.19%	-0.12%	-0.07%	0.11%	0.57%	0.30%	14.46%	
20	Alpine	2.13%	0.00%	0.00%	-0.15%	0.01%	0.05%	-0.40%	0.01%	-0.48%	1.65%	
22	Alto	10.41%	0.00%	0.00%	-0.10%	-0.19%	0.01%	-0.18%	-0.16%	-0.62%	9.79%	
23	Alton	11.11%	0.00%	0.00%	-0.06%	-0.10%	-0.07%	0.07%	0.39%	0.23%	11.34%	
24	Alvarado	5.36%	0.00%	0.00%	-0.04%	-0.01%	-0.01%	0.06%	-0.14%	-0.14%	5.22%	
26	Alvin	16.93%	0.00%	0.00%	-0.30%	-0.10%	-0.36%	-0.03%	0.81%	0.02%	16.95%	
28	Alvord	5.47%	0.00%	0.00%	-0.10%	-0.06%	-0.01%	0.14%	0.14%	0.11%	5.58%	
30	Amarillo	11.85%	0.00%	0.00%	-0.43%	-0.01%	0.09%	-0.03%	-0.47%	-0.85%	11.00%	
32	Amherst	0.22%	0.00%	0.00%	0.00%	0.01%	0.00%	-0.09%	-0.14%	-0.22%	0.00%	
34	Anahuac	6.91%	0.40%	0.00%	-0.09%	-0.17%	0.02%	-0.05%	0.29%	0.40%	7.31%	
36	Andrews	15.61%	0.57%	0.00%	-0.28%	-0.10%	-0.33%	0.00%	0.51%	0.37%	15.98%	
38	Angleton	11.66%	0.00%	0.00%	-0.24%	-0.09%	-0.08%	-0.05%	-0.14%	-0.60%	11.06%	
40	Anna	13.57%	0.00%	0.00%	0.02%	-0.41%	-0.38%	0.56%	0.71%	0.50%	14.07%	
41	Annetta	10.33%	0.00%	0.00%	0.08%	-0.24%	-0.24%	0.01%	0.10%	-0.29%	10.04%	
44	Anson	1.48%	0.00%	0.00%	-0.08%	-0.04%	-0.01%	0.09%	0.02%	-0.02%	1.46%	
45	Anthony	2.76%	0.00%	0.00%	-0.07%	0.01%	0.09%	0.10%	-0.24%	-0.11%	2.65%	
48	Aransas Pass	9.52%	0.00%	0.00%	-0.13%	-0.11%	-0.15%	0.06%	0.21%	-0.12%	9.40%	
50	Archer City	4.02%	0.00%	0.00%	-0.08%	0.02%	0.01%	-0.10%	-0.44%	-0.59%	3.43%	
49	Arcola	3.55%	0.00%	0.00%	0.01%	-0.06%	-0.11%	0.14%	-0.15%	-0.17%	3.38%	
51	Argyle	11.78%	0.00%	0.00%	-0.12%	-0.22%	0.01%	-0.85%	-0.23%	-1.41%	10.37%	
52	Arlington	10.17%	0.00%	0.00%	-0.38%	-0.42%	0.00%	-0.03%	0.31%	-0.52%	9.65%	
54	Arp	3.95%	3.95%	0.00%	-0.13%	0.21%	-0.05%	-0.20%	-1.47%	2.31%	6.26%	
60	Aspermont	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
62	Athens	16.28%	0.00%	0.00%	-0.27%	-0.04%	-0.17%	-0.16%	0.53%	-0.11%	16.17%	
64	Atlanta	6.55%	0.00%	0.00%	-0.14%	-0.05%	0.01%	-0.12%	-0.39%	-0.69%	5.86%	
66	Aubrey	5.63%	0.00%	0.00%	0.00%	-0.14%	-0.01%	0.25%	0.10%	0.20%	5.83%	
74	Avinger	2.48%	0.00%	0.00%	-0.10%	0.04%	0.05%	-0.01%	-0.08%	-0.10%	2.38%	
75	Azle	12.46%	0.00%	0.00%	-0.14%	-0.02%	-0.09%	-0.07%	0.68%	0.36%	12.82%	
77	Baird	0.99%	0.00%	0.00%	-0.09%	-0.01%	0.00%	-0.01%	0.12%	0.01%	1.00%	
78	Balch Springs	13.48%	0.00%	0.00%	-0.18%	-0.02%	0.03%	-0.02%	0.82%	0.63%	14.11%	
79	Balcones Heights	7.93%	2.57%	0.00%	-0.36%	0.17%	0.00%	-0.09%	0.51%	2.80%	10.73%	
80	Ballinger	10.09%	5.89%	0.00%	-0.18%	0.38%	-0.51%	0.42%	1.64%	7.64%	17.73%	
82	Balmorhea	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
83	Bandera	11.17%	0.00%	0.00%	-0.16%	0.06%	-0.06%	-1.08%	0.01%	-1.23%	9.94%	
84	Bangs	9.92%	0.00%	0.00%	-0.25%	-0.05%	-0.13%	-0.29%	-0.22%	-0.94%	8.98%	
90	Bartlett	6.75%	0.00%	0.00%	-0.09%	-0.18%	0.17%	0.12%	0.54%	0.56%	7.31%	
91	Bartonville	14.79%	0.00%	0.00%	-0.07%	0.01%	0.98%	0.28%	-0.25%	0.95%	15.74%	
92	Bastrop	11.41%	0.00%	0.00%	-0.11%	-0.04%	-0.16%	0.07%	0.40%	0.16%	11.57%	
94	Bay City	9.33%	0.00%	0.00%	-0.29%	-0.04%	-0.04%	0.11%	0.36%	0.10%	9.43%	
93	Bayou Vista	2.51%	0.00%	0.00%	-0.06%	-0.01%	0.00%	0.08%	0.09%	0.10%	2.61%	
96	Baytown	17.29%	0.00%	0.00%	-0.26%	-0.07%	-0.11%	0.07%	0.64%	0.27%	17.56%	
98	Beaumont	19.19%	0.00%	0.00%	-0.45%	-0.03%	0.00%	-0.06%	0.82%	0.28%	19.47%	
100	Bedford	16.50%	0.00%	0.00%	-0.02%	0.06%	0.20%	0.26%	-0.20%	0.30%	16.80%	
101	Bee Cave	9.21%	0.00%	0.00%	-0.06%	-0.04%	-0.06%	0.18%	0.35%	0.37%	9.58%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method Changes		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Method Changes								
102	Beeville	1.29%	0.00%	0.00%	-0.23%	0.02%	0.11%	0.01%	-0.04%	-0.13%	1.16%	
106	Bellaire	19.78%	0.00%	0.00%	-0.42%	-0.03%	0.00%	0.19%	0.74%	0.48%	20.26%	
109	Bellmead	8.47%	0.00%	0.00%	-0.23%	0.05%	-0.02%	-0.24%	0.21%	-0.23%	8.24%	
110	Bells	3.52%	0.00%	0.00%	-0.03%	-0.01%	0.00%	0.16%	0.06%	0.18%	3.70%	
112	Bellville	16.40%	0.00%	0.00%	-0.25%	0.02%	0.27%	-0.22%	0.74%	0.56%	16.96%	
114	Belton	10.33%	0.00%	0.00%	-0.13%	0.04%	0.01%	0.05%	-0.14%	-0.17%	10.16%	
118	Benbrook	15.92%	0.00%	0.00%	-0.32%	-0.03%	-0.02%	0.11%	0.39%	0.13%	16.05%	
121	Berryville	2.95%	0.00%	0.00%	-0.08%	-0.09%	0.01%	0.02%	0.16%	0.02%	2.97%	
123	Bertram	4.31%	0.00%	0.00%	-0.02%	-0.07%	0.05%	0.42%	-0.20%	0.18%	4.49%	
124	Big Lake	17.82%	0.00%	0.00%	-0.18%	-0.12%	-0.49%	0.02%	1.60%	0.83%	18.65%	
126	Big Sandy	2.86%	0.00%	0.00%	-0.21%	-0.01%	0.05%	0.33%	0.09%	0.25%	3.11%	
128	Big Spring	17.38%	0.00%	0.00%	-0.35%	-0.02%	0.16%	0.05%	0.65%	0.49%	17.87%	
132	Bishop	2.90%	0.00%	0.00%	-0.24%	-0.02%	0.00%	-0.10%	0.39%	0.03%	2.93%	
134	Blanco	5.92%	0.00%	0.00%	-0.01%	-0.10%	0.00%	0.66%	0.08%	0.63%	6.55%	
140	Blooming Grove	11.17%	0.00%	0.00%	-0.11%	-0.02%	0.15%	0.17%	0.00%	0.19%	11.36%	
142	Blossom	4.81%	0.00%	0.00%	-0.27%	-0.19%	0.01%	0.01%	0.52%	0.08%	4.89%	
143	Blue Mound	4.81%	0.00%	0.00%	-0.05%	0.00%	0.01%	-0.12%	-0.40%	-0.56%	4.25%	
144	Blue Ridge	2.07%	0.00%	0.00%	-0.02%	0.00%	-0.02%	0.14%	0.05%	0.15%	2.22%	
148	Boerne	18.76%	0.00%	0.00%	-0.17%	0.05%	0.02%	-0.32%	0.29%	-0.13%	18.63%	
150	Bogata	0.33%	0.00%	0.00%	-0.06%	-0.01%	-0.09%	0.21%	-0.22%	-0.17%	0.16%	
152	Bonham	9.63%	0.00%	0.00%	-0.18%	-0.04%	-0.20%	0.09%	0.19%	-0.14%	9.49%	
154	Booker	5.93%	0.00%	0.00%	-0.11%	-0.01%	0.00%	-0.02%	0.29%	0.15%	6.08%	
156	Borger	12.83%	0.00%	0.00%	-0.36%	0.02%	0.15%	0.02%	0.12%	-0.05%	12.78%	
158	Bovina	0.14%	0.00%	0.00%	-0.08%	-0.04%	0.04%	0.04%	0.20%	0.16%	0.30%	
160	Bowie	9.37%	0.00%	0.00%	-0.30%	-0.02%	-0.03%	0.10%	0.03%	-0.22%	9.15%	
162	Boyd	3.83%	0.00%	0.00%	-0.06%	0.01%	0.00%	0.15%	-0.04%	0.06%	3.89%	
166	Brady	9.24%	0.00%	0.00%	-0.11%	-0.05%	-0.01%	-0.08%	0.34%	0.09%	9.33%	
170	Brazoria	5.82%	0.00%	0.00%	-0.26%	0.00%	0.00%	0.17%	0.29%	0.20%	6.02%	
172	Breckenridge	6.26%	0.00%	0.00%	-0.25%	-0.11%	0.10%	0.08%	-0.04%	-0.22%	6.04%	
174	Bremond	15.81%	0.00%	0.00%	-0.83%	1.48%	1.46%	-0.06%	-1.32%	0.73%	16.54%	
176	Brenham	9.98%	6.66%	0.00%	-0.26%	0.41%	-0.13%	-0.03%	0.48%	7.13%	17.11%	
177	Bridge City	13.99%	0.00%	0.00%	-0.31%	-0.08%	0.20%	-0.16%	3.65%	3.30%	17.29%	
178	Bridgeport	13.21%	0.00%	0.00%	-0.18%	-0.06%	-0.14%	-0.06%	0.24%	-0.20%	13.01%	
180	Bronte	10.89%	0.00%	0.00%	-0.30%	-0.46%	-1.68%	0.28%	0.00%	-2.16%	8.73%	
182	Brookshire	9.15%	0.00%	0.00%	-0.14%	-0.07%	-0.27%	0.08%	0.64%	0.24%	9.39%	
184	Brownfield	3.49%	0.00%	0.00%	-0.35%	-0.48%	-0.01%	0.02%	-0.45%	-1.27%	2.22%	
186	Brownsboro	10.92%	0.00%	0.00%	-0.01%	0.00%	0.69%	0.18%	-0.02%	0.84%	11.76%	
10188	Brownsville	16.90%	0.00%	0.00%	-0.34%	-0.03%	0.00%	0.01%	0.60%	0.24%	17.14%	
20188	Brownsville PUB	17.19%	0.00%	0.00%	-0.43%	0.11%	0.29%	0.00%	0.08%	0.05%	17.24%	
10190	Brownwood	13.11%	0.00%	0.00%	-0.30%	0.07%	0.24%	-0.06%	0.38%	0.33%	13.44%	
30190	Brownwood Health Dept.	12.09%	0.00%	0.00%	-0.25%	-0.08%	-0.43%	0.64%	-1.38%	-1.50%	10.59%	
20190	Brownwood Public Library	4.05%	0.00%	0.00%	0.00%	0.01%	0.00%	0.13%	-4.19%	-4.05%	0.00%	
195	Bruceville-Eddy	5.09%	0.00%	0.00%	-0.13%	0.03%	-0.07%	-0.58%	0.00%	-0.75%	4.34%	
192	Bryan	9.18%	0.00%	0.00%	-0.34%	-0.44%	0.00%	-0.04%	0.49%	-0.33%	8.85%	
193	Bryson	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
194	Buda	14.30%	0.00%	0.00%	-0.03%	-0.03%	-0.10%	-0.32%	0.35%	-0.13%	14.17%	
196	Buffalo	4.11%	0.00%	0.00%	-0.18%	0.07%	-0.17%	0.03%	0.04%	-0.21%	3.90%	
198	Bullard	10.52%	3.00%	0.00%	-0.10%	0.16%	-0.38%	0.16%	-0.72%	2.12%	12.64%	
203	Bulverde	9.19%	0.00%	0.00%	-0.06%	-0.01%	-0.01%	-0.24%	0.13%	-0.19%	9.00%	
199	Bunker Hill Village	10.60%	0.00%	0.00%	-0.45%	-0.19%	-0.07%	-0.39%	0.42%	-0.68%	9.92%	
200	Burkburnett	10.63%	0.00%	0.00%	-0.26%	-0.05%	0.01%	0.08%	-0.03%	-0.25%	10.38%	
202	Burleson	16.50%	0.00%	0.00%	-0.19%	-0.02%	-0.15%	0.02%	0.81%	0.47%	16.97%	
204	Burnet	13.22%	0.00%	0.00%	-0.19%	0.01%	-0.02%	-0.06%	-0.31%	-0.57%	12.65%	
205	Byers	6.61%	0.00%	0.00%	0.09%	0.06%	0.00%	-0.02%	0.22%	0.35%	6.96%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Changes								
207	Cactus	5.26%	4.17%	0.00%	-0.02%	0.27%	-0.26%	0.08%	0.09%	4.33%	9.59%	
208	Caddo Mills	5.90%	0.00%	0.00%	0.00%	-0.05%	-0.07%	-0.25%	0.10%	-0.27%	5.63%	
210	Caldwell	6.94%	0.00%	0.00%	-0.33%	-0.03%	-0.04%	0.20%	0.23%	0.03%	6.97%	
212	Calvert	1.23%	12.39%	0.00%	-0.04%	0.93%	0.17%	0.43%	0.82%	14.70%	15.93%	
214	Cameron	8.69%	0.00%	0.00%	-0.16%	-0.11%	-0.01%	-0.34%	-0.14%	-0.76%	7.93%	
216	Campbell	40.90%	0.00%	0.00%	0.20%	0.32%	0.72%	0.00%	-0.27%	0.97%	41.87%	
220	Canadian	18.06%	0.00%	0.00%	-0.21%	0.04%	0.10%	-0.04%	0.41%	0.30%	18.36%	
221	Caney City	1.71%	0.00%	0.00%	0.02%	-0.12%	0.07%	-0.21%	0.05%	-0.19%	1.52%	
222	Canton	10.85%	0.00%	0.00%	-0.20%	-0.28%	-0.11%	0.08%	0.20%	-0.31%	10.54%	
224	Canyon	13.51%	0.00%	0.00%	-0.30%	-0.08%	-0.23%	0.05%	0.61%	0.05%	13.56%	
227	Carmine	0.00%	0.00%	0.00%	0.00%	-0.04%	0.00%	0.00%	0.04%	0.00%	0.00%	
228	Carrizo Springs	5.17%	0.00%	0.00%	-0.20%	-0.03%	0.04%	-0.05%	-0.64%	-0.88%	4.29%	
230	Carrollton	10.83%	0.00%	0.00%	-0.46%	-0.13%	-0.03%	-0.01%	0.64%	0.01%	10.84%	
232	Carthage	18.53%	0.00%	0.00%	-0.46%	-0.01%	-0.23%	0.11%	1.71%	1.12%	19.65%	
231	Castle Hills	12.49%	0.00%	0.00%	-0.31%	-0.01%	0.07%	-0.06%	0.02%	-0.29%	12.20%	
234	Castroville	8.59%	0.00%	0.00%	-0.14%	-0.12%	-0.14%	0.08%	0.40%	0.08%	8.67%	
238	Cedar Hill	14.28%	0.00%	0.00%	-0.23%	-0.05%	-0.12%	0.08%	0.84%	0.52%	14.80%	
239	Cedar Park	14.58%	0.00%	0.00%	-0.09%	-0.02%	-0.04%	0.03%	0.32%	0.20%	14.78%	
240	Celeste	3.70%	0.00%	0.00%	0.00%	-0.12%	0.10%	-0.10%	-0.01%	-0.13%	3.57%	
242	Celina	6.23%	0.00%	0.00%	0.01%	-0.08%	0.00%	0.04%	0.09%	0.06%	6.29%	
244	Center	11.44%	0.00%	0.00%	-0.24%	-0.04%	-0.01%	0.14%	-0.58%	-0.73%	10.71%	
246	Centerville	18.65%	0.00%	0.00%	-1.24%	-0.87%	-0.01%	0.07%	-1.28%	-3.33%	15.32%	
247	Chandler	6.05%	1.68%	0.00%	-0.05%	0.20%	-0.12%	-0.05%	-0.47%	1.19%	7.24%	
248	Charlotte	2.85%	0.00%	0.00%	-0.12%	-0.02%	0.12%	0.10%	-0.10%	-0.02%	2.83%	
249	Chester	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
245	Chico	4.16%	0.00%	0.00%	-0.23%	0.13%	0.09%	0.00%	0.14%	0.13%	4.29%	
250	Childress	16.35%	0.00%	0.00%	-0.23%	0.00%	0.07%	-0.01%	0.79%	0.62%	16.97%	
251	Chillicothe	6.33%	0.00%	0.00%	0.15%	-2.17%	-0.01%	-0.04%	-0.59%	-2.66%	3.67%	
253	Chireno	22.37%	0.00%	0.00%	-0.43%	-0.02%	-0.92%	-0.32%	0.86%	-0.83%	21.54%	
254	Christine	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.64%	-0.64%	0.00%	0.00%	
255	Cibolo	11.92%	0.00%	0.00%	-0.05%	-0.06%	-0.06%	-0.22%	0.03%	-0.36%	11.56%	
256	Cisco	6.43%	0.00%	0.00%	-0.16%	-0.05%	-0.02%	0.15%	0.84%	0.76%	7.19%	
258	Clarendon	1.32%	0.00%	0.00%	-0.11%	0.02%	-0.35%	0.30%	0.01%	-0.13%	1.19%	
259	Clarksville	2.90%	0.00%	0.00%	-0.32%	0.05%	-0.12%	-0.06%	-0.45%	-0.90%	2.00%	
260	Clarksville City	3.73%	0.00%	0.00%	-0.55%	-0.01%	0.13%	0.06%	0.42%	0.05%	3.78%	
263	Clear Lake Shores	10.66%	0.00%	0.00%	-0.07%	-0.01%	-0.02%	0.10%	0.16%	0.16%	10.82%	
264	Cleburne	15.95%	0.00%	0.00%	-0.38%	0.03%	0.03%	-0.05%	0.22%	-0.15%	15.80%	
266	Cleveland	10.24%	0.00%	0.00%	-0.15%	-0.10%	-0.26%	0.17%	0.69%	0.35%	10.59%	
268	Clifton	1.68%	0.00%	0.00%	-0.14%	0.00%	-0.11%	0.15%	-0.31%	-0.41%	1.27%	
271	Clute	9.93%	0.00%	0.00%	-0.28%	-0.04%	0.00%	0.13%	0.28%	0.09%	10.02%	
272	Clyde	13.47%	0.00%	0.00%	-0.14%	-0.08%	-0.38%	0.01%	0.75%	0.16%	13.63%	
274	Coahoma	6.42%	0.00%	0.00%	-0.20%	0.00%	0.00%	0.01%	0.03%	-0.16%	6.26%	
276	Cockrell Hill	8.76%	0.00%	0.00%	-0.22%	-0.01%	-0.02%	0.35%	0.37%	0.47%	9.23%	
278	Coleman	17.49%	0.00%	0.00%	-0.64%	0.15%	0.40%	0.09%	0.31%	0.31%	17.80%	
280	College Station	13.08%	0.00%	0.00%	-0.32%	-0.22%	0.04%	0.04%	0.03%	-0.43%	12.65%	
281	Colleyville	9.77%	0.00%	0.00%	-0.24%	0.03%	0.01%	0.27%	0.14%	0.21%	9.98%	
282	Collinsville	6.45%	0.00%	0.00%	-0.12%	0.08%	-0.03%	0.36%	-0.18%	0.11%	6.56%	
283	Colmesneil	8.84%	0.00%	0.00%	-0.35%	-0.13%	0.01%	0.05%	-0.24%	-0.66%	8.18%	
284	Colorado City	6.94%	0.00%	0.00%	-0.27%	-0.06%	0.03%	0.01%	0.24%	-0.05%	6.89%	
286	Columbus	10.03%	0.00%	0.00%	-0.36%	-0.22%	0.02%	0.09%	0.09%	-0.38%	9.65%	
288	Comanche	4.82%	0.00%	0.00%	-0.20%	-0.04%	-0.21%	0.05%	0.26%	-0.14%	4.68%	
289	Combes	6.53%	0.00%	0.00%	0.01%	-0.05%	-0.24%	-0.06%	0.00%	-0.34%	6.19%	
290	Commerce	7.66%	0.00%	0.00%	-0.25%	-0.24%	-0.09%	0.18%	0.98%	0.58%	8.24%	
294	Conroe	16.25%	0.00%	0.00%	-0.21%	-0.05%	-0.12%	0.05%	0.34%	0.01%	16.26%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Changes		Prior Bases						
295	Converse	13.84%	0.00%	0.00%	-0.15%	-0.18%	-0.37%	0.37%	0.76%	0.43%	14.27%	
298	Cooper	5.62%	0.00%	0.00%	-0.23%	0.02%	0.01%	-0.01%	0.35%	0.14%	5.76%	
299	Coppell	16.27%	0.00%	0.00%	-0.27%	0.05%	0.18%	0.00%	0.32%	0.28%	16.55%	
297	Copper Canyon	11.36%	0.00%	0.00%	-0.35%	-1.54%	-0.20%	-0.63%	1.08%	-1.64%	9.72%	
300	Copperas Cove	12.32%	0.00%	0.00%	-0.27%	-0.07%	-0.10%	0.04%	0.74%	0.34%	12.66%	
301	Corinth	15.03%	0.00%	0.00%	-0.15%	-0.07%	0.03%	0.01%	0.18%	0.00%	15.03%	
302	Corpus Christi	17.02%	0.00%	0.00%	-0.36%	-0.08%	-0.14%	0.01%	0.10%	-0.47%	16.55%	
304	Corrigan	3.46%	0.00%	0.00%	-0.09%	0.01%	0.01%	0.13%	0.01%	0.07%	3.53%	
306	Corsicana	14.07%	0.00%	0.00%	-0.45%	-0.07%	0.11%	-0.11%	0.61%	0.09%	14.16%	
307	Cottonwood Shores	3.54%	2.12%	0.00%	0.04%	0.13%	0.14%	-0.05%	-0.18%	2.20%	5.74%	
308	Cotulla	5.95%	0.00%	0.00%	-0.05%	-0.05%	-0.04%	0.03%	0.05%	-0.06%	5.89%	
310	Crandall	10.86%	0.00%	0.00%	-0.12%	-0.02%	-0.01%	-1.01%	0.45%	-0.71%	10.15%	
312	Crane	8.01%	0.00%	0.00%	-0.32%	-0.11%	0.04%	-0.08%	0.37%	-0.10%	7.91%	
314	Crawford	1.14%	0.00%	0.00%	-0.04%	0.01%	-0.01%	-0.07%	0.05%	-0.06%	1.08%	
315	Creedmoor	5.49%	0.00%	0.00%	0.09%	-0.01%	0.05%	0.01%	0.10%	0.24%	5.73%	
316	Crockett	14.21%	0.00%	0.00%	-0.35%	-0.05%	0.06%	0.17%	0.35%	0.18%	14.39%	
318	Crosbyton	2.74%	0.00%	0.00%	-0.27%	-0.11%	0.31%	-0.24%	-0.78%	-1.09%	1.65%	
320	Cross Plains	7.26%	0.00%	0.00%	-0.33%	0.13%	0.10%	0.09%	-0.55%	-0.56%	6.70%	
321	Cross Roads	7.48%	0.00%	0.00%	0.02%	0.00%	0.01%	1.19%	-0.63%	0.59%	8.07%	
322	Crowell	5.90%	0.00%	0.00%	0.06%	-0.31%	-0.82%	0.24%	0.14%	-0.69%	5.21%	
323	Crowley	11.16%	0.00%	0.00%	-0.14%	-0.10%	-0.20%	0.13%	0.63%	0.32%	11.48%	
324	Crystal City	2.09%	0.00%	0.00%	-0.20%	0.05%	-0.01%	-0.05%	0.01%	-0.20%	1.89%	
326	Cuero	9.71%	0.00%	0.00%	-0.15%	-0.08%	-0.10%	0.02%	-0.24%	-0.55%	9.16%	
328	Cumby	1.89%	0.00%	0.00%	-0.07%	0.07%	0.06%	0.53%	-0.15%	0.44%	2.33%	
332	Daingerfield	5.80%	0.00%	0.00%	-0.20%	0.02%	0.01%	0.64%	0.33%	0.80%	6.60%	
334	Daisetta	0.70%	0.00%	0.00%	-0.10%	-0.01%	-0.05%	0.09%	-0.01%	-0.08%	0.62%	
336	Dalhart	4.23%	0.00%	0.00%	-0.19%	-0.05%	-0.01%	0.05%	0.08%	-0.12%	4.11%	
339	Dalworthington Gardens	21.22%	0.00%	0.00%	-0.20%	-0.20%	-0.27%	0.27%	1.11%	0.71%	21.93%	
340	Danbury	6.46%	0.00%	0.00%	-0.18%	0.10%	0.03%	1.09%	-1.88%	-0.84%	5.62%	
341	Darrouzett	5.18%	0.00%	0.00%	-0.44%	0.01%	0.02%	0.01%	0.15%	-0.25%	4.93%	
344	Dayton	6.28%	0.00%	0.00%	-0.08%	-0.01%	0.02%	0.02%	-0.15%	-0.20%	6.08%	
352	De Leon	3.00%	1.68%	0.00%	-0.08%	0.13%	-0.08%	-0.56%	-0.06%	1.03%	4.03%	
10366	DeSoto	11.13%	0.00%	0.00%	-0.31%	-0.05%	-0.07%	-0.02%	0.15%	-0.30%	10.83%	
346	Decatur	14.04%	0.00%	0.00%	-0.24%	0.01%	-0.08%	-0.01%	0.45%	0.13%	14.17%	
348	Deer Park	13.70%	0.00%	0.00%	-0.38%	0.01%	0.02%	-0.06%	-0.07%	-0.48%	13.22%	
350	Dekalb	2.73%	0.00%	0.00%	-0.13%	-0.04%	0.04%	-0.09%	-0.11%	-0.33%	2.40%	
354	Del Rio	7.10%	0.00%	0.00%	-0.09%	0.02%	0.02%	0.00%	-0.07%	-0.12%	6.98%	
353	Dell City	17.19%	0.00%	0.00%	-2.08%	0.44%	-0.46%	0.00%	2.19%	0.09%	17.28%	
356	Denison	11.34%	0.00%	0.00%	-0.60%	-0.03%	-0.01%	0.10%	-0.15%	-0.69%	10.65%	
358	Denton	17.47%	0.00%	0.00%	-0.25%	0.02%	0.06%	0.01%	0.56%	0.40%	17.87%	
360	Denver City	7.58%	0.00%	0.00%	-0.47%	-0.18%	0.00%	0.04%	-0.48%	-1.09%	6.49%	
362	Deport	2.23%	0.00%	0.00%	-0.07%	0.04%	0.00%	0.40%	0.21%	0.58%	2.81%	
370	Devine	17.33%	0.00%	0.00%	-0.15%	0.21%	0.62%	0.02%	-0.67%	0.03%	17.36%	
371	Diboll	14.76%	0.00%	0.00%	-0.48%	0.03%	0.22%	0.71%	-0.61%	-0.13%	14.63%	
372	Dickens	2.40%	0.00%	0.00%	-0.17%	-0.01%	0.01%	0.00%	-0.25%	-0.42%	1.98%	
373	Dickinson	9.61%	0.00%	0.00%	-0.17%	-0.03%	-0.08%	1.04%	-0.19%	0.57%	10.18%	
374	Dilley	9.13%	0.00%	0.00%	-0.07%	-0.03%	-0.01%	-0.52%	-0.69%	-1.32%	7.81%	
376	Dimmitt	4.31%	0.00%	0.00%	-0.37%	-0.02%	-0.13%	0.07%	0.14%	-0.31%	4.00%	
382	Donna	11.03%	0.00%	0.00%	-0.04%	-0.11%	-0.21%	0.08%	0.16%	-0.12%	10.91%	
379	Double Oak	7.78%	0.00%	0.00%	-0.03%	0.00%	0.02%	0.37%	0.18%	0.54%	8.32%	
383	Dripping Springs	5.80%	0.00%	0.00%	0.02%	-0.07%	-0.07%	0.18%	0.01%	0.07%	5.87%	
385	Driscoll	1.95%	0.00%	0.00%	-0.02%	-0.04%	0.05%	-0.35%	0.02%	-0.34%	1.61%	
384	Dublin	11.53%	0.00%	0.00%	-0.14%	0.12%	0.86%	0.05%	0.32%	1.21%	12.74%	
386	Dumas	12.99%	0.00%	0.00%	-0.16%	-0.03%	-0.09%	-0.16%	0.55%	0.11%	13.10%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method Changes		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Method Changes								
388	Duncanville	6.67%	0.00%	0.00%	-0.44%	-0.02%	0.01%	0.02%	-0.05%	-0.48%	6.19%	
394	Eagle Lake	9.34%	0.00%	0.00%	-0.27%	0.01%	0.05%	0.03%	0.30%	0.12%	9.46%	
396	Eagle Pass	8.61%	0.00%	0.00%	-0.26%	-0.09%	-0.16%	0.01%	0.71%	0.21%	8.82%	
397	Early	3.88%	0.00%	0.00%	-0.11%	-0.01%	0.10%	0.00%	-0.49%	-0.51%	3.37%	
399	Earth	4.67%	0.00%	0.00%	-0.06%	-0.27%	-0.16%	0.02%	-0.01%	-0.48%	4.19%	
393	East Bernard	5.15%	0.00%	0.00%	0.02%	-0.09%	-0.02%	-0.01%	0.12%	0.02%	5.17%	
401	East Mountain	11.30%	0.00%	0.00%	-0.35%	-0.20%	0.21%	0.09%	-0.41%	-0.66%	10.64%	
395	East Tawakoni	5.85%	0.00%	0.00%	-0.11%	-0.04%	0.03%	-0.19%	0.09%	-0.22%	5.63%	
398	Eastland	8.97%	0.00%	0.00%	-0.16%	-0.02%	-0.03%	0.08%	-0.38%	-0.51%	8.46%	
402	Ector	1.59%	0.00%	0.00%	-0.08%	0.02%	-0.04%	0.17%	0.02%	0.09%	1.68%	
406	Eden	2.66%	0.00%	0.00%	-0.41%	-0.12%	0.08%	0.06%	0.92%	0.53%	3.19%	
408	Edgewood	5.80%	0.00%	0.00%	-0.04%	-0.04%	-0.05%	0.07%	0.07%	0.01%	5.81%	
410	Edinburg	14.46%	0.00%	0.00%	-0.15%	-0.06%	-0.29%	-0.01%	0.58%	0.07%	14.53%	
412	Edna	10.62%	0.00%	0.00%	-0.52%	-0.04%	-0.13%	0.19%	0.25%	-0.25%	10.37%	
414	El Campo	13.73%	0.00%	0.00%	-0.28%	0.03%	0.18%	0.06%	0.31%	0.30%	14.03%	
416	Eldorado	7.63%	0.00%	0.00%	-0.20%	0.05%	0.36%	-0.02%	0.90%	1.09%	8.72%	
418	Electra	1.78%	0.00%	0.00%	-0.15%	0.00%	0.00%	0.12%	-0.29%	-0.32%	1.46%	
420	Elgin	13.26%	0.00%	0.00%	-0.14%	-0.01%	0.05%	-0.12%	-0.64%	-0.86%	12.40%	
422	Elkhart	3.95%	0.00%	0.00%	-0.15%	-0.06%	0.03%	-0.39%	0.02%	-0.55%	3.40%	
427	Elmendorf	1.16%	0.00%	0.00%	0.00%	-0.01%	0.00%	0.10%	0.03%	0.12%	1.28%	
432	Emory	6.75%	0.00%	0.00%	-0.07%	0.00%	-0.01%	0.17%	-0.12%	-0.03%	6.72%	
436	Ennis	16.77%	0.00%	0.00%	-0.32%	-0.07%	-0.10%	0.06%	1.03%	0.60%	17.37%	
437	Escobares	5.42%	0.00%	0.00%	0.05%	0.10%	1.49%	-0.35%	-0.39%	0.90%	6.32%	
439	Euless	17.64%	0.00%	0.00%	-0.43%	0.05%	0.06%	-0.03%	0.42%	0.07%	17.71%	
440	Eustace	10.12%	0.59%	0.00%	-0.14%	-0.09%	-0.15%	0.47%	-0.85%	-0.17%	9.95%	
441	Everman	7.77%	0.00%	0.00%	-0.17%	-0.12%	-0.01%	-0.17%	0.68%	0.21%	7.98%	
443	Fair Oaks Ranch	11.67%	0.00%	0.00%	-0.07%	-0.04%	-0.02%	-0.22%	0.40%	0.05%	11.72%	
442	Fairfield	7.07%	0.00%	0.00%	-0.23%	0.03%	-0.04%	-0.14%	0.15%	-0.23%	6.84%	
445	Fairview	11.09%	0.00%	0.00%	-0.04%	-0.03%	-0.04%	-0.02%	0.17%	0.04%	11.13%	
20444	Falfurrias	2.37%	0.00%	0.00%	-0.12%	-0.03%	0.01%	0.03%	-0.05%	-0.16%	2.21%	
446	Falls City	7.33%	0.00%	0.00%	-0.06%	-0.03%	0.00%	-0.01%	0.02%	-0.08%	7.25%	
448	Farmers Branch	18.55%	0.00%	0.00%	-0.55%	-0.07%	0.18%	0.02%	0.83%	0.41%	18.96%	
450	Farmersville	8.53%	0.00%	0.00%	-0.13%	0.00%	0.01%	-0.11%	0.42%	0.19%	8.72%	
451	Farwell	15.90%	0.00%	0.00%	-0.19%	0.15%	0.74%	0.44%	-0.40%	0.74%	16.64%	
452	Fate	10.22%	0.00%	0.00%	0.01%	-0.09%	-0.02%	-0.10%	0.07%	-0.13%	10.09%	
454	Fayetteville	3.34%	0.00%	0.00%	-0.22%	0.18%	0.16%	-0.36%	-0.93%	-1.17%	2.17%	
456	Ferris	5.43%	0.00%	0.00%	-0.09%	-0.09%	-0.01%	0.11%	0.22%	0.14%	5.57%	
458	Flatonia	14.47%	0.00%	0.00%	-0.58%	-0.12%	0.08%	0.13%	-0.60%	-1.09%	13.38%	
460	Florence	4.36%	0.00%	0.00%	-0.03%	-0.04%	0.01%	0.06%	0.11%	0.11%	4.47%	
20462	Floresville	8.86%	0.00%	0.00%	-0.10%	-0.07%	0.10%	-0.02%	0.56%	0.47%	9.33%	
463	Flower Mound	11.19%	0.00%	0.00%	-0.16%	-0.03%	-0.08%	-0.05%	0.15%	-0.17%	11.02%	
464	Floydada	10.26%	0.00%	0.00%	-0.29%	0.01%	-0.11%	0.11%	0.10%	-0.18%	10.08%	
465	Follett	9.15%	0.00%	0.00%	0.09%	0.16%	9.89%	0.34%	-0.52%	9.96%	19.11%	
468	Forest Hill	13.11%	0.00%	0.00%	-0.27%	0.01%	0.08%	-0.22%	0.40%	0.00%	13.11%	
470	Forney	14.22%	0.00%	0.00%	-0.07%	-0.02%	-0.09%	0.09%	0.15%	0.06%	14.28%	
472	Fort Stockton	9.37%	0.00%	0.00%	-0.16%	-0.01%	0.01%	-0.08%	0.33%	0.09%	9.46%	
476	Franklin	3.26%	0.00%	0.00%	-0.07%	0.02%	-0.04%	0.45%	-0.04%	0.32%	3.58%	
478	Frankston	1.46%	0.00%	0.00%	-0.04%	-0.01%	0.00%	-0.05%	0.02%	-0.08%	1.38%	
480	Fredericksburg	22.28%	0.00%	0.00%	-0.20%	-0.03%	-0.48%	0.16%	0.39%	-0.16%	22.12%	
482	Freeport	14.09%	0.00%	0.00%	-0.18%	-0.01%	-0.01%	0.05%	0.19%	0.04%	14.13%	
481	Freer	7.00%	0.00%	0.00%	-0.12%	-0.01%	-0.17%	-0.16%	-0.30%	-0.76%	6.24%	
483	Friendswood	16.27%	0.00%	0.00%	-0.27%	-0.03%	-0.02%	0.04%	0.34%	0.06%	16.33%	
484	Friona	8.74%	0.00%	0.00%	-0.38%	-0.04%	0.13%	-0.05%	0.52%	0.18%	8.92%	
486	Frisco	14.25%	0.00%	0.00%	-0.09%	-0.03%	0.01%	-0.03%	0.01%	-0.13%	14.12%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method Changes		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Method Changes								
487	Fritch	3.66%	0.00%	0.00%	-0.18%	0.07%	0.74%	0.62%	0.16%	1.41%	5.07%	
488	Frost	7.43%	0.00%	0.00%	-0.18%	0.24%	2.44%	-0.09%	-0.12%	2.29%	9.72%	
491	Fulshear	7.17%	0.00%	0.00%	0.03%	-0.12%	-0.04%	0.01%	0.13%	0.01%	7.18%	
493	Fulton	21.40%	0.00%	0.00%	0.01%	-0.71%	-1.69%	-0.03%	-12.87%	-15.29%	6.11%	
492	Gainesville	11.71%	0.00%	0.00%	-0.15%	-1.19%	-0.04%	0.09%	0.23%	-1.06%	10.65%	
494	Galena Park	10.28%	0.00%	0.00%	-0.25%	-0.01%	0.04%	0.54%	-0.35%	-0.03%	10.25%	
498	Ganado	12.28%	0.00%	0.00%	-0.49%	0.11%	-0.06%	-0.25%	0.20%	-0.49%	11.79%	
499	Garden Ridge	7.64%	0.00%	0.00%	-0.08%	-0.04%	-0.09%	-0.11%	-0.13%	-0.45%	7.19%	
500	Garland	11.33%	0.00%	0.00%	-0.36%	0.02%	0.01%	-0.04%	-0.13%	-0.50%	10.83%	
502	Garrison	7.69%	0.00%	0.00%	-0.28%	-0.20%	-1.31%	-0.04%	0.50%	-1.33%	6.36%	
503	Gary	5.36%	0.00%	0.00%	-0.20%	0.00%	0.07%	0.00%	0.63%	0.50%	5.86%	
504	Gatesville	13.99%	0.00%	0.00%	-0.25%	-0.02%	0.01%	0.27%	0.62%	0.63%	14.62%	
505	George West	5.32%	0.00%	0.00%	-0.03%	-0.03%	0.02%	-0.07%	0.02%	-0.09%	5.23%	
506	Georgetown	12.48%	0.00%	0.00%	-0.14%	-0.06%	-0.12%	-0.01%	0.06%	-0.27%	12.21%	
510	Giddings	17.06%	0.00%	0.00%	-0.27%	-0.08%	-0.10%	-0.03%	1.14%	0.66%	17.72%	
512	Gilmer	12.77%	0.00%	0.00%	-0.25%	-0.03%	0.02%	-0.05%	0.75%	0.44%	13.21%	
514	Gladewater	8.10%	0.00%	0.00%	-0.17%	0.07%	0.01%	0.14%	-0.54%	-0.49%	7.61%	
516	Glen Rose	13.86%	0.00%	0.00%	-0.19%	0.17%	0.77%	0.25%	-0.37%	0.63%	14.49%	
517	Glenn Heights	3.16%	0.00%	0.00%	-0.13%	-0.05%	0.08%	0.31%	-0.04%	0.17%	3.33%	
518	Godley	2.44%	0.00%	0.00%	-0.02%	-0.03%	-0.07%	-0.18%	-0.02%	-0.32%	2.12%	
519	Goldsmith	1.33%	0.00%	0.00%	-0.05%	-0.08%	0.01%	-0.13%	0.06%	-0.19%	1.14%	
520	Goldthwaite	23.87%	0.00%	0.00%	-0.56%	-0.20%	-0.39%	-0.01%	2.12%	0.96%	24.83%	
522	Goliad	5.71%	0.00%	0.00%	-0.18%	-0.02%	0.06%	-0.52%	0.15%	-0.51%	5.20%	
524	Gonzales	9.91%	0.00%	0.00%	-0.22%	-0.07%	-0.09%	-0.06%	-0.10%	-0.54%	9.37%	
527	Gordon	2.34%	0.00%	0.00%	0.01%	0.08%	0.04%	0.29%	-0.35%	0.07%	2.41%	
530	Gorman	8.42%	0.00%	0.00%	0.04%	-0.05%	-0.15%	0.22%	0.36%	0.42%	8.84%	
532	Graford	2.65%	0.00%	0.00%	-0.03%	0.00%	0.00%	0.22%	-0.81%	-0.62%	2.03%	
10534	Graham	10.61%	0.00%	0.00%	-0.30%	0.07%	0.24%	-0.05%	-0.33%	-0.37%	10.24%	
536	Granbury	16.61%	0.00%	0.00%	-0.22%	0.01%	-0.12%	0.15%	0.58%	0.40%	17.01%	
540	Grand Prairie	17.03%	0.00%	0.00%	-0.32%	-0.02%	-0.01%	0.10%	0.64%	0.39%	17.42%	
542	Grand Saline	8.42%	0.00%	0.00%	-0.19%	0.06%	-0.01%	0.10%	0.42%	0.38%	8.80%	
544	Grandview	10.51%	0.00%	0.00%	-0.06%	-0.16%	-0.04%	-0.43%	1.84%	1.15%	11.66%	
546	Granger	7.20%	0.00%	0.00%	-0.04%	-0.01%	0.05%	-0.02%	0.13%	0.11%	7.31%	
547	Granite Shoals	4.31%	0.00%	0.00%	-0.02%	-0.01%	0.00%	0.02%	0.00%	-0.01%	4.30%	
548	Grapeland	3.78%	0.00%	0.00%	-0.18%	-0.09%	0.01%	0.05%	-0.17%	-0.38%	3.40%	
550	Grapevine	18.54%	0.00%	0.00%	-0.33%	0.02%	0.11%	0.14%	0.50%	0.44%	18.98%	
552	Greenville	11.52%	0.00%	0.00%	-0.91%	0.03%	0.00%	0.04%	-0.10%	-0.94%	10.58%	
551	Gregory	4.43%	0.00%	0.00%	-0.07%	-0.04%	0.24%	-0.11%	-0.11%	-0.09%	4.34%	
553	Grey Forest	15.95%	0.00%	0.00%	-0.35%	0.03%	0.38%	0.35%	0.14%	0.55%	16.50%	
556	Groesbeck	2.54%	0.00%	0.00%	-0.07%	-0.03%	-0.10%	-0.08%	0.02%	-0.26%	2.28%	
558	Groom	3.10%	0.00%	0.00%	-0.11%	0.04%	-0.01%	-0.05%	0.09%	-0.04%	3.06%	
559	Groves	9.21%	0.00%	0.00%	-1.30%	0.18%	0.02%	-0.12%	-0.35%	-1.57%	7.64%	
560	Groveton	1.89%	0.00%	0.00%	-0.12%	0.02%	-0.16%	-0.29%	-0.16%	-0.71%	1.18%	
562	Gruver	14.41%	0.00%	0.00%	-0.72%	-0.09%	0.00%	0.00%	-2.25%	-3.06%	11.35%	
563	Gun Barrel City	5.20%	4.70%	0.00%	-0.11%	0.33%	-0.19%	-0.09%	0.20%	4.84%	10.04%	
564	Gunter	4.85%	8.69%	0.00%	0.00%	0.56%	-0.48%	0.28%	0.68%	9.73%	14.58%	
568	Hale Center	4.99%	0.00%	0.00%	-0.05%	0.02%	-0.10%	0.12%	0.25%	0.24%	5.23%	
570	Hallettsville	12.30%	0.00%	0.00%	-0.30%	-0.05%	-0.15%	-0.01%	0.98%	0.47%	12.77%	
572	Hallsville	2.71%	2.99%	0.00%	-0.02%	0.12%	-0.03%	0.44%	-0.17%	3.33%	6.04%	
574	Haltom City	18.67%	0.00%	0.00%	-0.38%	-0.05%	-0.05%	0.12%	0.81%	0.45%	19.12%	
576	Hamilton	14.29%	0.00%	0.00%	-0.23%	0.13%	0.32%	0.31%	0.16%	0.69%	14.98%	
578	Hamlin	4.32%	0.00%	0.00%	-0.36%	0.00%	-0.12%	0.02%	1.02%	0.56%	4.88%	
580	Happy	6.17%	0.00%	0.00%	-0.42%	-0.23%	0.08%	0.00%	0.55%	-0.02%	6.15%	
581	Harker Heights	14.63%	0.00%	0.00%	-0.19%	0.00%	0.11%	0.09%	0.58%	0.59%	15.22%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Changes								
10582	Harlingen	8.01%	0.77%	0.00%	-0.47%	-0.07%	-0.07%	0.11%	0.10%	0.37%	8.38%	
20582	Harlingen Waterworks Sys	1.56%	7.79%	0.00%	-0.25%	0.43%	0.01%	-0.15%	0.01%	7.84%	9.40%	
583	Hart	4.01%	0.00%	0.00%	-0.05%	0.01%	0.33%	0.00%	0.08%	0.37%	4.38%	
586	Haskell	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
587	Haslet	9.58%	0.00%	0.00%	-0.07%	0.07%	0.00%	-1.15%	-0.15%	-1.30%	8.28%	
588	Hawkins	6.53%	0.00%	0.00%	-0.37%	-0.11%	0.45%	-0.01%	0.15%	0.11%	6.64%	
585	Hays	10.73%	0.00%	0.00%	-0.75%	-0.11%	-0.04%	0.00%	0.83%	-0.07%	10.66%	
590	Hearne	14.85%	0.00%	0.00%	-0.18%	0.02%	0.21%	0.46%	-1.13%	-0.62%	14.23%	
591	Heath	12.32%	0.00%	0.00%	-0.12%	-0.03%	-0.17%	-0.34%	0.15%	-0.51%	11.81%	
592	Hedley	3.82%	0.00%	0.00%	-0.27%	0.09%	-1.16%	0.00%	0.11%	-1.23%	2.59%	
595	Hedwig Village	6.32%	2.08%	0.00%	-0.20%	0.12%	-0.03%	-0.35%	0.00%	1.62%	7.94%	
593	Helotes	7.24%	0.00%	0.00%	-0.08%	0.01%	-0.01%	-0.22%	-0.18%	-0.48%	6.76%	
594	Hemphill	7.92%	0.00%	0.00%	-0.22%	0.02%	-0.13%	-0.08%	-0.78%	-0.78%	7.14%	
596	Hempstead	7.70%	0.00%	0.00%	-0.19%	-0.05%	-0.06%	-0.17%	-0.29%	-0.76%	6.94%	
598	Henderson	16.35%	0.00%	0.00%	-0.23%	0.01%	-0.13%	-0.04%	0.35%	-0.04%	16.31%	
600	Henrietta	15.37%	0.00%	0.00%	-0.19%	-0.01%	-0.03%	-0.18%	-0.60%	-1.01%	14.36%	
602	Hereford	9.41%	0.00%	0.00%	-0.23%	-0.07%	-0.02%	-0.04%	0.38%	0.02%	9.43%	
605	Hewitt	15.58%	0.00%	0.00%	-0.16%	-0.17%	-0.21%	0.10%	0.91%	0.47%	16.05%	
609	Hickory Creek	14.60%	0.00%	0.00%	-0.10%	-0.06%	-0.28%	0.44%	0.73%	0.73%	15.33%	
606	Hico	9.00%	0.00%	0.00%	-0.15%	-0.01%	0.00%	0.42%	-0.48%	-0.22%	8.78%	
607	Hidalgo	12.28%	0.00%	0.00%	-0.24%	0.01%	0.04%	0.03%	-0.42%	-0.58%	11.70%	
608	Higgins	3.85%	0.00%	0.00%	-0.23%	0.05%	-0.04%	-0.29%	0.25%	-0.26%	3.59%	
610	Highland Park	8.98%	0.00%	0.00%	-0.41%	-0.13%	0.01%	-0.03%	0.06%	-0.50%	8.48%	
611	Highland Village	13.81%	0.00%	0.00%	-0.19%	0.05%	0.05%	-0.01%	0.04%	-0.06%	13.75%	
613	Hill Country Village	4.04%	0.00%	0.00%	-0.15%	-0.01%	0.01%	0.23%	0.19%	0.27%	4.31%	
612	Hillsboro	11.60%	0.00%	0.00%	-0.22%	0.07%	0.40%	0.16%	0.41%	0.82%	12.42%	
619	Hilshire Village	7.70%	0.00%	0.00%	0.02%	-1.96%	-0.04%	-0.02%	0.54%	-1.46%	6.24%	
614	Hitchcock	3.68%	2.90%	0.00%	-0.16%	0.15%	0.03%	0.10%	-0.49%	2.53%	6.21%	
615	Holland	4.46%	0.00%	0.00%	-0.13%	-0.12%	0.10%	-0.28%	-0.15%	-0.58%	3.88%	
616	Holliday	2.65%	9.07%	0.00%	-0.11%	0.69%	0.51%	0.01%	-0.71%	9.46%	12.11%	
617	Hollywood Park	8.71%	0.00%	0.00%	-0.13%	0.01%	0.08%	0.02%	0.46%	0.44%	9.15%	
618	Hondo	7.78%	0.00%	0.00%	-0.21%	-0.05%	-0.01%	-0.06%	-0.04%	-0.37%	7.41%	
620	Honey Grove	6.10%	0.00%	0.00%	-0.24%	-0.16%	0.00%	-0.17%	0.12%	-0.45%	5.65%	
622	Hooks	14.19%	0.00%	0.00%	-0.23%	0.18%	0.33%	-0.24%	-0.63%	-0.59%	13.60%	
623	Horizon City	5.62%	0.00%	0.00%	0.02%	-0.03%	-0.09%	0.05%	-0.01%	-0.06%	5.56%	
626	Howe	5.00%	0.33%	0.00%	-0.16%	-0.22%	0.05%	0.15%	0.17%	0.32%	5.32%	
627	Hubbard	2.81%	0.00%	0.00%	-0.06%	-0.01%	0.00%	0.11%	0.10%	0.14%	2.95%	
628	Hudson	4.25%	0.00%	0.00%	-0.09%	0.01%	0.00%	-0.03%	-0.19%	-0.30%	3.95%	
629	Hudson Oaks	11.85%	0.00%	0.00%	-0.10%	0.05%	0.10%	-0.03%	0.45%	0.47%	12.32%	
630	Hughes Springs	7.87%	0.00%	0.00%	-0.46%	-0.07%	0.09%	0.00%	0.67%	0.23%	8.10%	
632	Humble	13.01%	0.00%	0.00%	-0.26%	-0.01%	-0.02%	0.02%	0.44%	0.17%	13.18%	
633	Hunters Creek Village	18.00%	0.00%	0.00%	-0.09%	-0.02%	0.77%	0.07%	1.07%	1.80%	19.80%	
634	Huntington	15.37%	0.00%	0.00%	-0.21%	-0.04%	-0.22%	0.45%	-0.29%	-0.31%	15.06%	
636	Huntsville	17.72%	1.81%	0.00%	-0.33%	0.07%	-0.15%	-0.07%	0.32%	1.65%	19.37%	
637	Hurst	11.88%	0.12%	0.00%	-0.57%	0.04%	0.16%	-0.01%	-0.17%	-0.43%	11.45%	
638	Hutchins	8.60%	-0.95%	0.00%	-0.08%	-0.16%	0.05%	0.04%	0.08%	-1.02%	7.58%	
640	Hutto	11.72%	0.00%	0.00%	-0.07%	0.07%	-0.08%	0.57%	-0.13%	0.36%	12.08%	
641	Huxley	0.78%	2.90%	0.00%	-0.18%	0.16%	-0.01%	0.01%	-0.88%	2.00%	2.78%	
642	Idalou	4.11%	0.00%	0.00%	-0.03%	-0.05%	0.02%	0.15%	0.00%	0.09%	4.20%	
643	Ingleside	7.53%	0.00%	0.00%	-0.17%	-0.03%	0.01%	-0.17%	-0.01%	-0.37%	7.16%	
646	Ingram	7.07%	0.00%	0.00%	-0.10%	-0.04%	0.00%	0.06%	-1.02%	-1.10%	5.97%	
647	Iowa Colony	6.83%	0.00%	0.00%	0.03%	-0.58%	-0.01%	0.56%	0.34%	0.34%	7.17%	
644	Iowa Park	11.41%	0.00%	0.00%	-0.61%	-0.26%	0.02%	-0.20%	-1.12%	-2.17%	9.24%	
645	Iraan	18.25%	0.00%	0.00%	-0.33%	-0.17%	-0.39%	-0.03%	0.46%	-0.46%	17.79%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method Changes		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Method Changes								
648	Irving	14.32%	0.00%	0.00%	-0.20%	-3.90%	0.00%	-0.03%	-0.51%	-4.64%	9.68%	
650	Italy	3.03%	0.00%	0.00%	-0.02%	0.00%	-0.01%	0.12%	0.04%	0.13%	3.16%	
652	Itasca	9.51%	0.00%	0.00%	-0.19%	-0.14%	0.06%	-0.20%	-0.01%	-0.48%	9.03%	
654	Jacinto City	11.38%	3.84%	0.00%	-0.12%	0.33%	0.41%	-0.11%	0.09%	4.44%	15.82%	
656	Jacksboro	13.66%	0.00%	0.00%	-0.20%	0.01%	0.14%	-0.41%	0.42%	-0.04%	13.62%	
658	Jacksonville	10.48%	0.00%	0.00%	-0.30%	-0.03%	-0.03%	0.11%	-0.35%	-0.60%	9.88%	
660	Jasper	8.45%	0.00%	0.00%	-0.50%	-0.04%	-0.01%	-0.08%	-0.02%	-0.65%	7.80%	
664	Jefferson	0.63%	0.00%	0.00%	0.00%	-0.03%	0.00%	0.38%	-0.80%	-0.45%	0.18%	
665	Jersey Village	13.87%	0.00%	0.00%	-0.22%	-0.14%	-0.31%	0.04%	0.73%	0.10%	13.97%	
666	Jewett	12.92%	0.00%	0.00%	-0.46%	-0.20%	-0.19%	0.00%	2.42%	1.57%	14.49%	
668	Joaquin	5.33%	0.00%	0.00%	-0.06%	0.06%	0.08%	-0.18%	-0.04%	-0.14%	5.19%	
670	Johnson City	8.67%	0.00%	0.00%	-0.15%	-0.06%	0.04%	0.31%	-0.17%	-0.03%	8.64%	
673	Jones Creek	5.27%	0.00%	0.00%	-0.09%	0.05%	0.26%	0.29%	-0.72%	-0.21%	5.06%	
675	Jonestown	7.58%	0.00%	0.00%	-0.03%	-0.01%	0.00%	0.00%	0.04%	0.00%	7.58%	
677	Josephine	8.57%	0.00%	0.00%	0.02%	-0.21%	-0.02%	-0.02%	0.14%	-0.09%	8.48%	
671	Joshua	5.97%	0.00%	0.00%	-0.11%	-0.06%	0.12%	-0.13%	-0.19%	-0.37%	5.60%	
672	Jourdanton	5.51%	0.00%	0.00%	-0.11%	0.02%	0.01%	-0.09%	0.06%	-0.11%	5.40%	
674	Junction	11.89%	0.00%	0.00%	-0.18%	-0.25%	-0.01%	-1.29%	0.16%	-1.57%	10.32%	
676	Justin	7.26%	0.00%	0.00%	-0.01%	-0.10%	-0.08%	0.41%	-0.22%	0.00%	7.26%	
678	Karnes City	8.57%	0.00%	0.00%	-0.09%	0.01%	0.07%	0.01%	-0.14%	-0.14%	8.43%	
680	Katy	13.51%	0.00%	0.00%	-0.14%	-0.01%	-0.02%	0.04%	0.17%	0.04%	13.55%	
682	Kaufman	14.01%	0.00%	0.00%	-0.20%	-0.28%	-0.36%	-0.01%	0.01%	-0.84%	13.17%	
683	Keene	11.96%	0.00%	0.00%	-0.27%	-0.05%	-0.07%	0.87%	-0.02%	0.46%	12.42%	
681	Keller	16.04%	0.00%	0.00%	-0.30%	0.03%	0.17%	0.04%	-0.07%	-0.13%	15.91%	
685	Kemah	6.02%	0.00%	0.00%	-0.17%	-0.08%	0.02%	-0.12%	0.30%	-0.05%	5.97%	
684	Kemp	10.00%	0.00%	0.00%	-0.04%	0.07%	0.12%	-0.57%	0.25%	-0.17%	9.83%	
689	Kempner	1.76%	0.00%	0.00%	0.03%	0.01%	0.00%	-0.56%	-0.08%	-0.60%	1.16%	
686	Kenedy	3.45%	5.63%	0.00%	-0.05%	0.39%	-0.05%	0.25%	0.10%	6.27%	9.72%	
688	Kennedale	14.01%	0.00%	0.00%	-0.20%	-0.10%	-0.11%	-0.11%	0.88%	0.36%	14.37%	
690	Kerens	13.00%	0.00%	0.00%	0.04%	0.03%	-0.35%	-0.27%	0.20%	-0.35%	12.65%	
692	Kermit	16.11%	0.00%	0.00%	-0.19%	0.02%	0.00%	-0.15%	-1.10%	-1.42%	14.69%	
10694	Kerrville	10.39%	0.00%	0.00%	-0.25%	0.00%	0.00%	0.04%	-0.05%	-0.26%	10.13%	
20694	Kerrville PUB	11.61%	0.00%	0.00%	-0.42%	-0.18%	0.01%	0.24%	1.03%	0.68%	12.29%	
10696	Kilgore	13.75%	0.00%	0.00%	-0.35%	0.08%	0.40%	-0.19%	0.64%	0.58%	14.33%	
698	Killeen	14.77%	0.00%	0.00%	-0.26%	-0.02%	-0.12%	-0.05%	0.05%	-0.40%	14.37%	
700	Kingsville	8.04%	0.00%	0.00%	-0.34%	-0.02%	0.03%	0.04%	0.42%	0.13%	8.17%	
701	Kirby	13.86%	0.00%	0.00%	-0.19%	0.08%	0.37%	0.47%	-0.24%	0.49%	14.35%	
702	Kirbyville	5.56%	0.00%	0.00%	-0.12%	-0.05%	-0.11%	-0.13%	0.19%	-0.22%	5.34%	
704	Knox City	2.58%	0.00%	0.00%	-0.14%	0.00%	-0.12%	-0.10%	0.08%	-0.28%	2.30%	
706	Kosse	1.47%	0.00%	0.00%	0.02%	-0.22%	0.00%	0.10%	0.10%	0.00%	1.47%	
708	Kountze	1.51%	4.62%	0.00%	-0.04%	0.32%	-0.01%	0.19%	-0.13%	4.95%	6.46%	
709	Kress	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
699	Krugerville	8.00%	0.00%	0.00%	-0.01%	-0.03%	0.00%	0.00%	-0.51%	-0.55%	7.45%	
707	Krum	6.18%	0.00%	0.00%	0.00%	-0.09%	-0.02%	-0.02%	0.23%	0.10%	6.28%	
710	Kyle	12.74%	0.00%	0.00%	-0.04%	-0.12%	-0.19%	0.08%	0.50%	0.23%	12.97%	
725	La Coste	1.84%	0.00%	0.00%	-0.06%	0.00%	0.01%	-0.23%	-0.01%	-0.29%	1.55%	
714	La Feria	14.56%	0.00%	0.00%	-0.12%	-0.15%	-0.05%	0.32%	0.52%	0.52%	15.08%	
716	La Grange	14.00%	0.00%	0.00%	-0.42%	-0.02%	0.06%	-0.02%	0.41%	0.01%	14.01%	
723	La Grulla	4.68%	0.00%	0.00%	-0.15%	-0.07%	-0.40%	0.79%	-0.15%	0.02%	4.70%	
732	La Joya	5.85%	0.00%	0.00%	-0.03%	-0.19%	-0.60%	0.09%	0.04%	-0.69%	5.16%	
721	La Marque	14.14%	0.00%	0.00%	-0.19%	-0.15%	-0.18%	-0.35%	0.68%	-0.19%	13.95%	
728	La Porte	15.57%	0.00%	0.00%	-0.40%	-0.06%	-0.17%	-0.03%	0.96%	0.30%	15.87%	
731	La Vernia	5.40%	0.00%	0.00%	0.00%	-0.04%	-0.08%	-0.14%	0.03%	-0.23%	5.17%	
711	Lacy-Lakeview	13.47%	0.00%	0.00%	-0.17%	-0.11%	-0.04%	-0.04%	-0.02%	-0.38%	13.09%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method Changes		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Method Changes								
712	Ladonia	4.93%	0.00%	0.00%	-0.18%	-0.09%	0.96%	-1.87%	-0.58%	-1.76%	3.17%	
713	Lago Vista	7.94%	0.00%	0.00%	-0.11%	-0.03%	-0.04%	0.24%	-0.12%	-0.06%	7.88%	
705	Laguna Vista	4.07%	0.00%	0.00%	-0.04%	-0.03%	0.04%	0.03%	-0.02%	-0.02%	4.05%	
717	Lake Dallas	12.96%	0.00%	0.00%	-0.24%	-0.03%	0.14%	0.63%	-0.29%	0.21%	13.17%	
718	Lake Jackson	11.07%	0.00%	0.00%	-0.36%	0.01%	0.01%	0.06%	0.39%	0.11%	11.18%	
719	Lake Worth	17.02%	0.00%	0.00%	-0.17%	-0.02%	-0.25%	-0.33%	0.38%	-0.39%	16.63%	
727	Lakeport	0.32%	0.00%	0.00%	-0.09%	0.00%	0.00%	0.48%	-0.62%	-0.23%	0.09%	
715	Lakeside	10.98%	0.00%	0.00%	-0.04%	0.07%	0.09%	-0.20%	-0.16%	-0.24%	10.74%	
729	Lakeside City	5.29%	0.00%	0.00%	-0.06%	0.14%	0.09%	-0.17%	-0.09%	-0.09%	5.20%	
720	Lakeway	13.51%	0.00%	0.00%	-0.11%	-0.10%	-0.15%	0.07%	0.53%	0.24%	13.75%	
722	Lamesa	4.11%	0.00%	0.00%	-0.31%	-0.04%	0.05%	0.15%	-0.13%	-0.28%	3.83%	
724	Lampasas	15.75%	0.00%	0.00%	-0.24%	0.05%	0.09%	-0.09%	0.11%	-0.08%	15.67%	
726	Lancaster	13.24%	0.00%	0.00%	-0.25%	-0.04%	0.19%	0.05%	0.48%	0.43%	13.67%	
730	Laredo	20.52%	0.00%	0.00%	-0.24%	0.03%	0.23%	0.02%	0.26%	0.30%	20.82%	
733	Lavon	7.45%	10.23%	0.00%	-0.03%	0.68%	-0.59%	0.12%	0.57%	10.98%	18.43%	
736	League City	14.38%	0.00%	0.00%	-0.20%	-0.03%	-0.10%	0.06%	0.37%	0.10%	14.48%	
737	Leander	12.18%	0.00%	0.00%	-0.03%	-0.07%	-0.20%	0.01%	0.12%	-0.17%	12.01%	
735	Lefors	3.34%	0.00%	0.00%	0.09%	-1.73%	-0.10%	0.17%	0.67%	-0.90%	2.44%	
739	Leon Valley	17.63%	0.00%	0.00%	-0.41%	-0.04%	0.15%	0.43%	0.78%	0.91%	18.54%	
738	Leonard	0.91%	1.85%	0.00%	-0.09%	0.03%	0.02%	-0.40%	-0.15%	1.26%	2.17%	
740	Levelland	9.04%	0.00%	0.00%	-0.37%	-0.10%	0.00%	0.04%	0.36%	-0.07%	8.97%	
742	Lewisville	16.35%	0.00%	0.00%	-0.30%	-0.02%	0.08%	0.03%	0.63%	0.42%	16.77%	
744	Lexington	7.98%	0.00%	0.00%	-0.26%	-0.07%	0.17%	-0.18%	0.44%	0.10%	8.08%	
746	Liberty	15.48%	0.00%	0.00%	-0.12%	-0.17%	-0.26%	-0.09%	-0.40%	-0.94%	14.54%	
745	Liberty Hill	6.72%	0.00%	0.00%	0.03%	-0.13%	0.01%	-0.31%	-0.09%	-0.49%	6.23%	
748	Lindale	14.76%	0.00%	0.00%	-0.11%	-0.09%	-0.20%	0.27%	0.43%	0.30%	15.06%	
750	Linden	0.80%	0.00%	0.00%	-0.12%	-0.03%	0.14%	0.02%	-0.10%	-0.09%	0.71%	
749	Lindsay	5.01%	0.00%	0.00%	0.06%	0.01%	-0.03%	-0.06%	-0.11%	-0.13%	4.88%	
755	Lipan	2.00%	0.00%	0.00%	-0.04%	-0.04%	0.01%	-0.10%	-0.50%	-0.67%	1.33%	
751	Little Elm	13.76%	0.00%	0.00%	-0.06%	-0.04%	-0.15%	-0.37%	0.14%	-0.48%	13.28%	
752	Littlefield	7.02%	0.00%	0.00%	-0.21%	-0.07%	0.00%	0.09%	-0.35%	-0.54%	6.48%	
753	Live Oak	17.67%	0.00%	0.00%	-0.30%	-0.05%	-0.04%	-0.07%	0.73%	0.27%	17.94%	
757	Liverpool	1.85%	0.00%	0.00%	0.00%	0.00%	0.00%	0.06%	-0.15%	-0.09%	1.76%	
754	Livingston	15.25%	0.00%	0.00%	-0.54%	-0.11%	-0.06%	-0.04%	0.47%	-0.28%	14.97%	
756	Llano	13.07%	0.00%	0.00%	-0.16%	-0.13%	-0.01%	0.15%	-0.51%	-0.66%	12.41%	
758	Lockhart	12.33%	0.00%	0.00%	-0.26%	-0.07%	-0.22%	-0.01%	0.86%	0.30%	12.63%	
760	Lockney	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
765	Lone Star	2.24%	0.00%	0.00%	-0.25%	0.00%	0.03%	0.20%	0.02%	0.00%	2.24%	
766	Longview	11.02%	1.66%	0.00%	-0.39%	0.15%	0.11%	0.02%	-0.48%	1.07%	12.09%	
768	Lorraine	3.43%	0.00%	0.00%	-0.08%	0.04%	0.06%	-1.22%	0.00%	-1.20%	2.23%	
769	Lorena	10.50%	0.00%	0.00%	-0.10%	0.06%	0.09%	-0.27%	-0.14%	-0.36%	10.14%	
770	Lorenzo	1.48%	0.00%	0.00%	-0.16%	-0.12%	0.07%	-0.09%	0.12%	-0.18%	1.30%	
771	Los Fresnos	7.17%	0.00%	0.00%	-0.09%	-0.01%	0.01%	0.06%	-0.48%	-0.51%	6.66%	
773	Lott	1.61%	0.00%	0.00%	-0.03%	0.01%	0.03%	0.22%	0.00%	0.23%	1.84%	
774	Lovelady	7.77%	0.00%	0.00%	0.02%	-0.53%	0.00%	-0.02%	0.34%	-0.19%	7.58%	
778	Lubbock	16.66%	0.00%	0.00%	-0.40%	-0.02%	0.10%	0.01%	0.66%	0.35%	17.01%	
779	Lucas	12.47%	0.00%	0.00%	-0.03%	-0.09%	-0.05%	-0.13%	-0.14%	-0.44%	12.03%	
782	Lufkin	16.27%	0.00%	0.00%	-0.49%	0.12%	0.55%	-0.02%	-0.43%	-0.27%	16.00%	
784	Luling	6.09%	0.00%	0.00%	-0.14%	-0.02%	0.00%	0.07%	-0.02%	-0.11%	5.98%	
785	Lumberton	15.51%	0.00%	0.00%	-0.19%	-0.04%	-0.08%	-0.12%	0.25%	-0.18%	15.33%	
786	Lyford	2.70%	0.00%	0.00%	-0.08%	-0.25%	-0.01%	0.01%	-0.98%	-1.31%	1.39%	
787	Lytle	10.47%	0.00%	0.00%	-0.16%	-0.05%	-0.11%	0.01%	-0.65%	-0.96%	9.51%	
790	Madisonville	8.53%	0.00%	0.00%	-0.16%	-0.05%	-0.01%	-0.25%	-0.56%	-1.03%	7.50%	
791	Magnolia	4.62%	0.00%	0.00%	-0.04%	-0.04%	0.03%	-0.02%	0.01%	-0.06%	4.56%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Changes		Prior Bases						
792	Malakoff	6.81%	0.00%	0.00%	-0.14%	-0.03%	-0.09%	0.18%	-1.28%	-1.36%	5.45%	
796	Manor	8.23%	0.00%	0.00%	-0.01%	-0.03%	0.06%	-0.15%	0.06%	-0.07%	8.16%	
798	Mansfield	15.88%	0.00%	0.00%	-0.22%	0.02%	0.19%	0.11%	0.80%	0.90%	16.78%	
799	Manvel	9.38%	1.56%	0.00%	-0.01%	-0.10%	-0.81%	0.10%	-0.32%	0.42%	9.80%	
800	Marble Falls	10.68%	3.41%	0.00%	-0.21%	0.22%	-0.17%	-0.15%	0.30%	3.40%	14.08%	
802	Marfa	3.11%	0.00%	0.00%	-0.11%	0.01%	-0.03%	-0.13%	0.02%	-0.24%	2.87%	
804	Marion	4.28%	0.00%	0.00%	-0.15%	-0.03%	-0.02%	-0.01%	0.16%	-0.05%	4.23%	
806	Marlin	7.39%	0.00%	0.00%	-0.15%	-0.19%	-0.10%	-0.05%	0.52%	0.03%	7.42%	
808	Marquez	18.45%	0.00%	0.00%	0.12%	0.17%	0.54%	0.04%	0.38%	1.25%	19.70%	
810	Marshall	15.76%	0.00%	0.00%	-0.48%	0.05%	0.19%	0.08%	0.05%	-0.11%	15.65%	
812	Mart	3.26%	0.00%	0.00%	-0.16%	-0.01%	0.13%	0.07%	-0.90%	-0.87%	2.39%	
813	Martindale	8.19%	0.00%	0.00%	-0.03%	-0.27%	0.06%	0.48%	-2.75%	-2.51%	5.68%	
814	Mason	5.72%	0.00%	0.00%	-0.19%	-0.02%	-0.04%	0.08%	0.68%	0.51%	6.23%	
816	Matador	6.58%	0.00%	0.00%	-0.19%	-0.02%	0.18%	0.05%	-4.32%	-4.30%	2.28%	
818	Mathis	4.28%	0.00%	0.00%	-0.10%	0.01%	-0.06%	-0.28%	-0.10%	-0.53%	3.75%	
820	Maud	4.36%	0.00%	0.00%	-0.02%	0.04%	-0.06%	0.27%	0.01%	0.24%	4.60%	
822	Maypearl	0.68%	0.00%	0.00%	-0.10%	-0.08%	0.48%	0.00%	-0.27%	0.03%	0.71%	
824	McAllen	8.13%	0.00%	0.00%	-0.23%	0.02%	0.05%	-0.01%	-0.14%	-0.31%	7.82%	
826	McCamey	2.42%	0.00%	0.00%	-0.15%	0.01%	-0.04%	-0.01%	0.03%	-0.16%	2.26%	
828	McGregor	9.77%	3.00%	0.00%	-0.17%	0.22%	0.07%	-0.22%	-0.13%	2.77%	12.54%	
830	McKinney	15.02%	0.00%	0.00%	-0.13%	-0.02%	-0.09%	-0.02%	0.33%	0.07%	15.09%	
832	McLean	2.41%	0.00%	0.00%	-0.11%	-0.02%	-0.01%	0.00%	-0.27%	-0.41%	2.00%	
833	McLendon-Chisholm	7.31%	0.00%	0.00%	0.03%	0.00%	0.04%	-0.01%	-0.04%	0.02%	7.33%	
834	Meadow	4.18%	0.00%	0.00%	0.01%	-0.02%	-0.10%	0.22%	-0.02%	0.09%	4.27%	
831	Meadowlakes	2.49%	0.00%	0.00%	-0.03%	0.03%	-0.03%	-0.14%	-0.11%	-0.28%	2.21%	
835	Meadows Place	10.39%	0.64%	0.00%	-0.20%	0.01%	-0.04%	-0.21%	-0.02%	0.18%	10.57%	
837	Melissa	12.23%	5.31%	0.00%	0.08%	-1.27%	-0.64%	-0.05%	0.84%	4.27%	16.50%	
1501	Memorial Villages PD	11.12%	0.00%	0.00%	-0.26%	-0.03%	0.05%	0.11%	-0.46%	-0.59%	10.53%	
840	Memphis	10.34%	0.00%	0.00%	-0.27%	-0.01%	-0.01%	-0.15%	0.41%	-0.03%	10.31%	
842	Menard	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
844	Mercedes	15.57%	0.00%	0.00%	-0.21%	-0.01%	0.08%	-0.25%	0.48%	0.09%	15.66%	
846	Meridian	3.34%	0.00%	0.00%	-0.09%	0.01%	-0.06%	0.23%	-0.18%	-0.09%	3.25%	
848	Merkel	12.54%	0.00%	0.00%	-0.14%	-0.05%	0.11%	-0.39%	0.75%	0.28%	12.82%	
852	Mertzson	10.77%	0.00%	0.00%	-0.07%	0.09%	0.79%	0.01%	-1.02%	-0.20%	10.57%	
854	Mesquite	17.68%	0.28%	0.00%	-0.38%	-0.02%	-0.07%	-0.01%	-0.06%	-0.26%	17.42%	
856	Mexia	11.37%	0.00%	0.00%	-0.26%	0.04%	0.08%	-0.20%	0.02%	-0.32%	11.05%	
858	Miami	10.21%	0.00%	0.00%	-0.08%	-0.22%	-0.06%	0.00%	-0.33%	-0.69%	9.52%	
860	Midland	14.24%	0.00%	0.00%	-0.36%	-0.07%	-0.22%	-0.04%	0.86%	0.17%	14.41%	
862	Midlothian	14.89%	0.00%	0.00%	-0.11%	-0.06%	-0.09%	-0.03%	0.50%	0.21%	15.10%	
863	Milano	12.17%	0.00%	0.00%	0.05%	-4.48%	0.11%	0.00%	-0.08%	-4.40%	7.77%	
864	Miles	0.00%	0.00%	0.00%	-0.12%	0.00%	0.33%	0.25%	0.01%	0.47%	0.47%	
865	Milford	8.65%	0.00%	0.00%	-0.64%	0.03%	0.02%	0.32%	-3.86%	-4.13%	4.52%	
868	Mineola	10.73%	0.00%	0.00%	-0.21%	0.07%	0.12%	-0.45%	-0.16%	-0.63%	10.10%	
870	Mineral Wells	8.15%	0.00%	0.00%	-0.36%	-0.03%	0.03%	-0.09%	0.25%	-0.20%	7.95%	
874	Mission	8.75%	0.00%	0.00%	-0.15%	-0.05%	-0.08%	-0.02%	0.08%	-0.22%	8.53%	
875	Missouri City	9.05%	0.38%	0.00%	-0.27%	-0.03%	0.04%	0.00%	-0.18%	-0.06%	8.99%	
876	Monahans	6.83%	0.00%	0.00%	-0.22%	-0.03%	-0.02%	-0.08%	0.20%	-0.15%	6.68%	
887	Mont Belvieu	13.75%	0.00%	0.00%	-0.07%	-0.01%	-0.18%	0.18%	-0.13%	-0.21%	13.54%	
877	Montgomery	9.59%	0.00%	0.00%	0.00%	-0.08%	-0.07%	0.29%	0.31%	0.45%	10.04%	
878	Moody	2.20%	0.00%	0.00%	-0.19%	0.00%	-0.01%	0.06%	-0.02%	-0.16%	2.04%	
883	Morgan's Point	10.16%	0.00%	0.00%	-0.39%	-0.03%	-0.01%	-0.03%	0.37%	-0.09%	10.07%	
882	Morgan's Point Resort	11.83%	0.00%	0.00%	-0.13%	-0.06%	-0.11%	0.08%	0.44%	0.22%	12.05%	
884	Morton	3.15%	0.00%	0.00%	-0.68%	-0.03%	-0.63%	-0.01%	0.94%	-0.41%	2.74%	
886	Moulton	4.17%	0.00%	0.00%	-0.34%	0.02%	-0.04%	0.02%	0.29%	-0.05%	4.12%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Changes								
890	Mount Enterprise	2.25%	0.98%	0.00%	-0.15%	0.12%	0.00%	0.01%	0.00%	0.96%	3.21%	
892	Mt. Pleasant	14.76%	0.00%	0.00%	-0.22%	-0.07%	-0.24%	0.11%	0.87%	0.45%	15.21%	
894	Mt. Vernon	10.20%	0.00%	0.00%	-0.18%	-0.12%	-0.01%	-0.03%	-0.99%	-1.33%	8.87%	
896	Muenster	1.85%	0.00%	0.00%	-0.24%	-0.02%	0.01%	0.05%	0.25%	0.05%	1.90%	
898	Muleshoe	19.16%	0.00%	0.00%	-0.38%	-0.03%	0.14%	0.24%	1.67%	1.64%	20.80%	
901	Munday	3.46%	0.00%	0.00%	-0.08%	0.01%	0.11%	0.18%	0.09%	0.31%	3.77%	
903	Murphy	14.23%	0.00%	0.00%	-0.11%	0.02%	0.09%	-0.35%	0.10%	-0.25%	13.98%	
10904	Nacogdoches	14.47%	0.00%	0.00%	-0.42%	-0.04%	0.00%	0.02%	0.27%	-0.17%	14.30%	
906	Naples	1.47%	0.00%	0.00%	-0.16%	-0.04%	-0.05%	-0.27%	-0.01%	-0.53%	0.94%	
907	Nash	18.58%	0.00%	0.00%	-0.07%	0.02%	0.13%	0.08%	0.40%	0.56%	19.14%	
905	Nassau Bay	10.81%	0.00%	0.00%	-0.14%	-0.40%	-0.04%	-0.07%	0.00%	-0.65%	10.16%	
909	Natalia	2.26%	0.00%	0.00%	-0.06%	-0.06%	0.01%	0.07%	-0.11%	-0.15%	2.11%	
908	Navasota	6.55%	0.00%	0.00%	-0.26%	-0.04%	0.02%	-0.40%	0.07%	-0.61%	5.94%	
910	Nederland	7.52%	0.00%	0.00%	-0.45%	0.00%	0.01%	-0.03%	0.12%	-0.35%	7.17%	
912	Needville	3.58%	0.00%	0.00%	-0.20%	-0.06%	-0.01%	0.05%	0.23%	0.01%	3.59%	
914	New Boston	1.44%	0.00%	0.00%	-0.17%	0.00%	-0.07%	-0.11%	0.04%	-0.31%	1.13%	
10916	New Braunfels	17.05%	0.00%	0.00%	-0.16%	-0.03%	-0.16%	-0.10%	0.57%	0.12%	17.17%	
20916	New Braunfels Utilities	17.61%	0.00%	0.00%	-0.19%	-0.20%	-0.68%	0.13%	1.43%	0.49%	18.10%	
915	New Deal	0.56%	0.00%	0.00%	-0.13%	-0.01%	-0.14%	0.00%	0.08%	-0.20%	0.36%	
923	New Fairview	6.60%	5.32%	0.00%	0.04%	-1.19%	-0.32%	1.16%	-5.49%	-0.48%	6.12%	
918	New London	3.34%	0.00%	0.00%	-0.21%	0.05%	-0.31%	-0.04%	0.08%	-0.43%	2.91%	
919	New Summerfield	7.68%	0.00%	0.00%	-0.05%	-0.06%	0.01%	0.03%	0.16%	0.09%	7.77%	
917	New Waverly	14.85%	0.00%	0.00%	-0.19%	-0.31%	-0.16%	-0.03%	0.56%	-0.13%	14.72%	
913	Newark	1.21%	0.00%	0.00%	0.00%	-0.06%	-0.01%	0.00%	0.04%	-0.03%	1.18%	
920	Newton	19.72%	0.00%	0.00%	-0.29%	-0.15%	-0.35%	-0.26%	0.36%	-0.69%	19.03%	
922	Nixon	0.78%	0.00%	0.00%	-0.06%	-0.15%	0.05%	-0.13%	0.08%	-0.21%	0.57%	
924	Nocona	10.40%	0.00%	0.00%	-0.24%	0.02%	0.11%	0.05%	0.10%	0.04%	10.44%	
925	Nolanville	1.87%	3.14%	0.00%	-0.01%	0.21%	-0.05%	-0.02%	-0.22%	3.05%	4.92%	
928	Normangee	4.11%	0.00%	0.00%	-0.05%	0.02%	-0.02%	0.01%	-0.13%	-0.17%	3.94%	
931	North Richland Hills	16.81%	0.00%	0.00%	-0.41%	0.01%	0.06%	0.06%	0.66%	0.38%	17.19%	
930	Northlake	9.85%	0.00%	0.00%	-0.01%	-0.08%	-0.16%	-0.07%	-0.02%	-0.34%	9.51%	
935	O'Donnell	4.18%	0.00%	0.00%	-0.32%	-0.10%	0.31%	0.02%	0.38%	0.29%	4.47%	
936	Oak Point	7.06%	0.00%	0.00%	-0.04%	-0.01%	-0.01%	0.01%	-0.13%	-0.18%	6.88%	
937	Oak Ridge North	11.81%	0.00%	0.00%	-0.22%	0.05%	0.06%	-0.20%	0.18%	-0.13%	11.68%	
942	Odem	8.07%	0.00%	0.00%	-0.06%	-0.04%	-0.11%	0.58%	-2.02%	-1.65%	6.42%	
944	Odessa	13.70%	0.00%	0.00%	-0.43%	0.03%	0.08%	0.01%	0.27%	-0.04%	13.66%	
945	Oglesby	1.74%	0.00%	0.00%	-0.24%	0.04%	-0.02%	0.00%	0.37%	0.15%	1.89%	
949	Old River-Winfree	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
950	Olmos Park	2.75%	0.00%	0.00%	-0.21%	-0.02%	0.00%	-0.03%	-0.13%	-0.39%	2.36%	
951	Olney	6.68%	0.00%	0.00%	-0.06%	-0.05%	-0.01%	-0.23%	-0.16%	-0.51%	6.17%	
953	Omaha	5.20%	0.00%	0.00%	-0.11%	0.02%	-0.07%	-0.01%	0.14%	-0.03%	5.17%	
954	Onalaska	2.20%	0.00%	0.00%	-0.01%	-0.04%	0.14%	-0.10%	0.03%	0.02%	2.22%	
958	Orange	14.40%	0.00%	0.00%	-0.50%	-0.03%	-0.03%	-0.04%	1.08%	0.48%	14.88%	
960	Orange Grove	8.06%	0.00%	0.00%	-0.23%	0.07%	-0.26%	-0.09%	-0.27%	-0.78%	7.28%	
959	Ore City	1.40%	0.00%	0.00%	-0.08%	0.04%	-0.07%	-0.09%	-0.06%	-0.26%	1.14%	
962	Overton	3.77%	0.00%	0.00%	-0.14%	0.04%	-0.38%	1.12%	-0.43%	0.21%	3.98%	
961	Ovilla	10.20%	0.00%	0.00%	-0.08%	-0.11%	-0.30%	0.06%	0.78%	0.35%	10.55%	
963	Oyster Creek	10.62%	0.00%	0.00%	-0.19%	0.02%	0.07%	0.19%	-0.90%	-0.81%	9.81%	
964	Paducah	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
966	Palacios	16.45%	0.00%	0.00%	-0.20%	-0.17%	-0.16%	0.47%	0.30%	0.24%	16.69%	
968	Palestine	13.67%	0.00%	0.00%	-0.30%	-0.04%	-0.08%	-0.05%	0.55%	0.08%	13.75%	
970	Palmer	11.36%	0.00%	0.00%	-0.06%	0.02%	-0.01%	-0.11%	-0.32%	-0.48%	10.88%	
969	Palmhurst	5.44%	0.00%	0.00%	-0.01%	-0.01%	0.00%	-0.08%	-0.04%	-0.14%	5.30%	
971	Palmview	1.71%	0.00%	0.00%	-0.02%	-0.01%	-0.03%	0.01%	0.00%	-0.05%	1.66%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method Changes		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Method Changes								
972	Pampa	20.67%	0.00%	0.00%	-0.35%	-0.14%	-0.20%	0.10%	-0.41%	-1.00%	19.67%	
974	Panhandle	10.88%	0.00%	0.00%	-0.22%	-0.01%	-0.01%	-0.21%	0.13%	-0.32%	10.56%	
973	Panorama Village	5.06%	0.00%	0.00%	-0.19%	-0.01%	0.02%	-0.23%	-0.84%	-1.25%	3.81%	
975	Pantego	15.70%	0.00%	0.00%	-0.33%	0.01%	0.03%	0.16%	-0.56%	-0.69%	15.01%	
976	Paris	6.45%	0.90%	0.00%	-0.37%	0.01%	0.02%	0.05%	-2.47%	-1.86%	4.59%	
977	Parker	13.65%	0.00%	0.00%	-0.11%	-0.03%	-0.14%	0.14%	-0.13%	-0.27%	13.38%	
978	Pasadena	13.69%	0.00%	0.00%	-0.72%	0.17%	0.09%	-0.03%	-0.39%	-0.88%	12.81%	
983	Pearland	12.94%	0.00%	0.00%	-0.12%	-0.06%	-0.12%	0.05%	0.36%	0.11%	13.05%	
984	Pearsall	3.86%	0.00%	0.00%	-0.15%	-0.03%	0.00%	0.10%	-0.30%	-0.38%	3.48%	
988	Pecos City	6.48%	0.00%	0.00%	-0.12%	0.06%	0.03%	-0.06%	-0.25%	-0.34%	6.14%	
989	Pelican Bay	4.19%	0.00%	0.00%	0.04%	-0.07%	-0.32%	-0.18%	-0.31%	-0.84%	3.35%	
991	Penitas	3.94%	0.00%	0.00%	0.01%	-0.02%	-0.04%	0.23%	-0.26%	-0.08%	3.86%	
994	Perryton	10.07%	0.00%	0.00%	-0.67%	-0.18%	0.04%	0.09%	0.44%	-0.28%	9.79%	
1000	Pflugerville	13.52%	0.00%	0.00%	-0.13%	-0.06%	-0.23%	0.01%	0.76%	0.35%	13.87%	
1002	Pharr	7.32%	5.18%	0.00%	-0.14%	0.25%	-0.67%	-0.04%	0.20%	4.78%	12.10%	
1004	Pilot Point	11.21%	0.00%	0.00%	-0.05%	-0.15%	-0.20%	-0.04%	-0.27%	-0.71%	10.50%	
1005	Pinehurst	17.56%	0.00%	0.00%	-0.27%	-0.05%	0.19%	-0.54%	0.52%	-0.15%	17.41%	
1003	Pineland	3.40%	0.00%	0.00%	-0.44%	-0.01%	-0.24%	0.00%	0.51%	-0.18%	3.22%	
1001	Piney Point Village	6.34%	0.00%	0.00%	-0.12%	-0.10%	-0.01%	-0.73%	0.06%	-0.90%	5.44%	
1006	Pittsburg	10.90%	0.00%	0.00%	-0.47%	-0.22%	0.04%	-0.07%	0.04%	-0.68%	10.22%	
1007	Plains	4.32%	0.00%	0.00%	-0.31%	-0.39%	-0.01%	-0.13%	0.49%	-0.35%	3.97%	
1008	Plainview	11.52%	0.00%	0.00%	-0.57%	-0.06%	0.02%	0.00%	0.27%	-0.34%	11.18%	
1010	Plano	16.35%	0.00%	0.00%	-0.36%	-0.05%	0.05%	0.00%	0.61%	0.25%	16.60%	
1012	Pleasanton	15.01%	0.00%	0.00%	-0.12%	-0.01%	0.07%	0.14%	-0.08%	0.00%	15.01%	
1013	Point	13.53%	0.00%	0.00%	-0.10%	0.12%	-0.01%	-1.02%	-3.12%	-4.13%	9.40%	
1017	Ponder	5.82%	0.00%	0.00%	-0.03%	-0.02%	-0.03%	-0.07%	0.07%	-0.08%	5.74%	
1014	Port Aransas	10.92%	0.00%	0.00%	-0.10%	-0.05%	-0.05%	0.18%	0.04%	0.02%	10.94%	
11016	Port Arthur	13.65%	0.00%	0.00%	-0.31%	0.01%	0.12%	0.00%	0.39%	0.21%	13.86%	
1018	Port Isabel	3.83%	3.92%	0.00%	-0.15%	0.24%	-0.01%	-0.07%	1.61%	5.54%	9.37%	
1020	Port Lavaca	5.73%	0.00%	0.00%	-0.16%	-0.05%	-0.05%	0.08%	-0.10%	-0.28%	5.45%	
1022	Port Neches	14.60%	0.16%	0.00%	-0.45%	0.04%	0.01%	-0.03%	0.09%	-0.18%	14.42%	
1019	Portland	12.77%	4.32%	0.00%	-0.12%	-0.04%	-0.31%	0.09%	0.92%	4.86%	17.63%	
1024	Post	12.86%	3.69%	0.00%	-0.13%	0.00%	-0.61%	1.96%	-0.27%	4.64%	17.50%	
1026	Poteet	2.86%	0.00%	0.00%	-0.11%	0.04%	-0.36%	0.19%	-0.26%	-0.50%	2.36%	
1028	Poth	4.59%	0.00%	0.00%	-0.08%	-0.03%	-0.13%	-0.11%	0.10%	-0.25%	4.34%	
1030	Pottsboro	6.58%	0.00%	0.00%	-0.05%	0.00%	0.01%	-0.17%	-0.07%	-0.28%	6.30%	
1031	Prairie View	2.58%	0.00%	0.00%	0.00%	0.00%	0.16%	0.00%	-0.05%	0.11%	2.69%	
1032	Premont	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
1029	Presidio	0.72%	0.00%	0.00%	-0.06%	-0.01%	0.02%	-0.09%	-0.01%	-0.15%	0.57%	
1033	Primera	0.85%	0.00%	0.00%	-0.04%	0.01%	0.01%	-0.07%	0.08%	-0.01%	0.84%	
1034	Princeton	11.85%	0.00%	0.00%	-0.02%	-0.02%	-0.06%	0.03%	0.01%	-0.06%	11.79%	
1036	Prosper	14.25%	0.00%	0.00%	0.00%	-0.08%	-0.16%	-0.21%	0.32%	-0.13%	14.12%	
1037	Providence Village	6.89%	0.00%	0.00%	0.06%	0.05%	-0.02%	-0.08%	-0.51%	-0.50%	6.39%	
1042	Quanah	3.45%	0.00%	0.00%	-0.43%	-0.95%	0.12%	0.30%	0.64%	-0.32%	3.13%	
1045	Queen City	1.71%	0.00%	0.00%	-0.08%	0.00%	0.01%	-0.21%	0.06%	-0.22%	1.49%	
1044	Quinlan	9.83%	0.48%	0.00%	-0.01%	0.04%	0.01%	-0.29%	0.06%	0.29%	10.12%	
1047	Quintana	8.70%	0.00%	0.00%	0.05%	-0.19%	-0.46%	0.21%	0.18%	-0.21%	8.49%	
1046	Quitaque	4.02%	0.00%	0.00%	-0.31%	-0.18%	-0.05%	-0.01%	-0.05%	-0.60%	3.42%	
1048	Quitman	5.65%	0.00%	0.00%	-0.23%	-0.14%	-0.04%	0.15%	-0.13%	-0.39%	5.26%	
1050	Ralls	4.29%	0.48%	0.00%	-0.43%	-0.17%	0.01%	-0.05%	0.99%	0.83%	5.12%	
1051	Rancho Viejo	5.70%	0.00%	0.00%	-0.41%	0.00%	0.05%	0.04%	0.12%	-0.20%	5.50%	
1052	Ranger	7.99%	0.00%	0.00%	-0.15%	-0.06%	0.27%	-0.79%	-0.38%	-1.11%	6.88%	
1054	Rankin	7.67%	0.00%	0.00%	-0.16%	-0.22%	0.24%	0.01%	-0.16%	-0.29%	7.38%	
1055	Ransom Canyon	14.29%	0.00%	0.00%	-0.15%	0.02%	-0.09%	0.09%	-0.49%	-0.62%	13.67%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method Changes		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Method Changes								
1058	Raymondville	1.78%	0.00%	0.00%	-0.27%	-0.04%	0.00%	0.12%	0.10%	-0.09%	1.69%	
1061	Red Oak	6.57%	0.00%	0.00%	-0.04%	-0.03%	-0.01%	0.03%	-0.09%	-0.14%	6.43%	
1062	Redwater	2.73%	0.00%	0.00%	-0.06%	-0.02%	-0.01%	0.04%	-0.03%	-0.08%	2.65%	
1064	Refugio	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
1065	Reklaw	15.56%	0.00%	0.00%	-0.81%	-0.08%	-0.20%	-0.44%	1.23%	-0.30%	15.26%	
1066	Reno (Lamar County)	5.10%	0.00%	0.00%	-0.10%	-0.02%	0.01%	0.24%	-0.25%	-0.12%	4.98%	
1069	Reno (Parker County)	3.65%	0.00%	0.00%	-0.03%	0.01%	0.06%	-0.16%	-0.30%	-0.42%	3.23%	
1067	Rhome	6.71%	0.00%	0.00%	-0.07%	0.00%	0.04%	0.34%	-0.10%	0.21%	6.92%	
1068	Rice	1.37%	0.00%	0.00%	-0.05%	-0.01%	0.01%	-0.14%	0.03%	-0.16%	1.21%	
1070	Richardson	14.07%	0.00%	0.00%	-0.46%	-0.03%	0.22%	-0.01%	0.54%	0.26%	14.33%	
1073	Richland Hills	16.01%	0.00%	0.00%	-0.42%	0.09%	0.06%	-0.24%	0.52%	0.01%	16.02%	
1074	Richland Springs	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
1076	Richmond	14.71%	0.00%	0.00%	-0.26%	-0.03%	0.02%	0.13%	0.37%	0.23%	14.94%	
1077	Richwood	11.25%	0.00%	0.00%	-0.17%	0.03%	0.11%	-0.13%	0.42%	0.26%	11.51%	
1072	Riesel	5.86%	0.00%	0.00%	-0.08%	0.04%	0.08%	0.05%	-0.09%	0.00%	5.86%	
1075	Rio Grande City	6.92%	0.00%	0.00%	-0.08%	-0.01%	-0.01%	0.00%	0.09%	-0.01%	6.91%	
1079	Rio Vista	3.73%	0.00%	0.00%	-0.09%	-0.01%	0.07%	-0.18%	-0.22%	-0.43%	3.30%	
1080	Rising Star	0.00%	0.00%	0.00%	0.00%	0.00%	0.35%	-0.02%	0.06%	0.39%	0.39%	
1082	River Oaks	13.94%	0.00%	0.00%	-0.30%	-0.18%	-0.12%	-0.16%	0.07%	-0.69%	13.25%	
1084	Roanoke	17.18%	0.00%	0.00%	-0.11%	-0.08%	-0.07%	0.20%	0.05%	-0.01%	17.17%	
1088	Robert Lee	4.13%	0.00%	0.00%	-0.08%	-0.23%	-0.27%	0.00%	0.27%	-0.31%	3.82%	
1089	Robinson	13.65%	0.00%	0.00%	-0.14%	-0.01%	-0.05%	0.40%	0.23%	0.43%	14.08%	
21090	Robstown	4.79%	0.00%	0.00%	-0.19%	0.01%	0.04%	0.08%	0.18%	0.12%	4.91%	
11090	Robstown Utility Systems	17.96%	0.00%	0.00%	-0.36%	0.02%	-0.07%	-0.13%	0.65%	0.11%	18.07%	
1092	Roby	5.68%	0.00%	0.00%	-0.81%	0.00%	0.09%	0.00%	0.05%	-0.67%	5.01%	
1096	Rockdale	7.82%	0.00%	0.00%	-0.16%	-0.04%	-0.01%	0.42%	0.38%	0.59%	8.41%	
1098	Rockport	16.71%	0.00%	0.00%	-0.25%	-0.10%	-0.12%	0.46%	0.71%	0.70%	17.41%	
1100	Rocksprings	1.52%	0.00%	0.00%	-0.07%	0.00%	-0.05%	0.25%	0.02%	0.15%	1.67%	
1102	Rockwall	15.06%	0.00%	0.00%	-0.22%	-0.12%	-0.12%	-0.02%	0.44%	-0.04%	15.02%	
1104	Rogers	9.71%	0.00%	0.00%	-0.28%	-0.12%	-0.30%	0.43%	-1.34%	-1.61%	8.10%	
1105	Rollingwood	11.71%	0.00%	0.00%	-0.09%	-0.11%	-0.16%	0.21%	0.35%	0.20%	11.91%	
1106	Roma	9.54%	0.00%	0.00%	-0.31%	-0.13%	-0.12%	-0.04%	-0.15%	-0.75%	8.79%	
1109	Roscoe	1.83%	0.00%	0.00%	-0.13%	0.00%	0.00%	-0.21%	0.05%	-0.29%	1.54%	
1112	Rosebud	1.83%	0.00%	0.00%	-0.04%	0.01%	-0.01%	0.03%	-0.02%	-0.03%	1.80%	
1114	Rosenberg	15.87%	0.00%	0.00%	-0.22%	0.02%	0.22%	0.05%	0.11%	0.18%	16.05%	
1116	Rotan	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
1118	Round Rock	15.94%	0.00%	0.00%	-0.19%	-0.01%	-0.05%	-0.07%	0.58%	0.26%	16.20%	
1119	Rowlett	13.11%	0.00%	0.00%	-0.26%	-0.02%	-0.10%	0.03%	0.33%	-0.02%	13.09%	
1120	Royse City	15.79%	0.00%	0.00%	-0.03%	-0.04%	-0.18%	-0.02%	0.08%	-0.19%	15.60%	
1122	Rule	0.20%	0.00%	0.00%	-0.25%	-0.24%	0.43%	1.09%	0.45%	1.48%	1.68%	
1123	Runaway Bay	2.26%	0.00%	0.00%	-0.05%	-0.04%	0.09%	-0.62%	0.08%	-0.54%	1.72%	
1124	Runge	12.09%	0.00%	0.00%	-0.25%	-0.64%	1.16%	-0.17%	-0.61%	-0.51%	11.58%	
1126	Rusk	6.39%	0.00%	0.00%	-0.16%	0.04%	-0.07%	-0.14%	-0.04%	-0.37%	6.02%	
1128	Sabinal	2.11%	0.00%	0.00%	-0.19%	0.00%	-0.08%	0.06%	0.02%	-0.19%	1.92%	
1129	Sachse	14.43%	0.00%	0.00%	-0.13%	-0.03%	0.01%	0.04%	-0.07%	-0.18%	14.25%	
1131	Saginaw	21.12%	0.00%	0.00%	-0.19%	-0.03%	-0.25%	-0.03%	0.63%	0.13%	21.25%	
1130	Saint Jo	5.04%	0.00%	0.00%	-0.18%	0.02%	-0.08%	0.43%	-0.03%	0.16%	5.20%	
1133	Salado	6.04%	0.00%	0.00%	-0.07%	-0.08%	0.16%	0.08%	-0.28%	-0.19%	5.85%	
1132	San Angelo	17.01%	0.00%	0.00%	-0.46%	-0.01%	0.02%	0.01%	0.34%	-0.10%	16.91%	
21136	San Antonio	12.17%	0.23%	0.00%	-0.29%	0.03%	0.07%	-0.01%	-0.36%	-0.33%	11.84%	
11136	San Antonio Water System	3.64%	0.00%	0.00%	-0.13%	0.00%	0.02%	0.00%	0.08%	-0.03%	3.61%	
1138	San Augustine	9.07%	0.00%	0.00%	-0.29%	-0.03%	-0.04%	-0.20%	0.09%	-0.47%	8.60%	
1140	San Benito	4.72%	0.00%	0.00%	-0.15%	-0.01%	0.03%	0.04%	0.00%	-0.09%	4.63%	
1144	San Felipe	3.78%	0.00%	0.00%	-0.16%	-0.12%	0.05%	0.06%	0.01%	-0.16%	3.62%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method Changes		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Method Changes								
1148	San Juan	4.30%	0.00%	0.00%	-0.07%	0.01%	0.00%	0.00%	0.05%	-0.05%	-0.06%	4.24%
1150	San Marcos	18.25%	0.00%	0.00%	-0.23%	0.00%	-0.12%	-0.05%	0.50%	0.10%	18.35%	
1152	San Saba	8.26%	0.00%	0.00%	-0.18%	-0.07%	-0.11%	-0.03%	0.92%	0.53%	8.79%	
1146	Sanger	8.50%	0.00%	0.00%	-0.11%	-0.05%	-0.11%	0.23%	0.15%	0.11%	8.61%	
1153	Sansom Park	6.66%	0.00%	0.00%	-0.04%	-0.12%	0.08%	-0.08%	0.22%	0.06%	6.72%	
1155	Santa Fe	17.82%	0.00%	0.00%	-0.18%	-0.03%	-0.16%	-0.04%	0.97%	0.56%	18.38%	
1158	Savoy	2.48%	0.00%	0.00%	-0.21%	-0.02%	0.31%	-0.89%	-0.31%	-1.12%	1.36%	
1159	Schertz	16.22%	0.00%	0.00%	-0.12%	-0.12%	-0.27%	0.02%	0.45%	-0.04%	16.18%	
1160	Schulenburg	18.62%	0.00%	0.00%	-0.67%	-0.19%	-0.19%	0.44%	-0.08%	-0.69%	17.93%	
1161	Seabrook	15.62%	0.00%	0.00%	-0.26%	-0.02%	0.11%	0.05%	0.61%	0.49%	16.11%	
1162	Seadrift	2.68%	0.00%	0.00%	-0.07%	-0.42%	-0.01%	0.16%	-0.03%	-0.37%	2.31%	
1164	Seagoville	11.23%	0.00%	0.00%	-0.15%	-0.02%	-0.03%	-0.34%	0.32%	-0.22%	11.01%	
1166	Seagraves	8.51%	0.00%	0.00%	-0.14%	-0.12%	0.01%	0.02%	0.12%	-0.11%	8.40%	
1167	Sealy	12.74%	0.00%	0.00%	-0.18%	-0.01%	0.05%	0.33%	-0.26%	-0.07%	12.67%	
1168	Seguin	21.79%	0.00%	0.00%	-0.20%	-0.11%	-0.35%	0.07%	1.00%	0.41%	22.20%	
1169	Selma	15.21%	0.00%	0.00%	-0.15%	-0.02%	-0.13%	-0.22%	0.56%	0.04%	15.25%	
1170	Seminole	11.79%	0.00%	0.00%	-0.32%	-0.01%	0.06%	-0.21%	0.52%	0.04%	11.83%	
1171	Seven Points	3.70%	0.00%	0.00%	-0.16%	0.11%	0.62%	-0.52%	0.28%	0.33%	4.03%	
1172	Seymour	7.45%	0.00%	0.00%	-0.51%	0.01%	0.07%	0.02%	-0.56%	-0.97%	6.48%	
1165	Shady Shores	10.51%	0.00%	0.00%	0.08%	-0.15%	-0.13%	0.00%	0.55%	0.35%	10.86%	
1177	Shallowater	4.76%	0.00%	0.00%	-0.14%	-0.01%	0.00%	0.15%	-0.47%	-0.47%	4.29%	
1174	Shamrock	9.22%	0.00%	0.00%	-0.35%	-0.05%	-0.16%	-0.01%	0.19%	-0.38%	8.84%	
1173	Shavano Park	13.98%	0.00%	0.00%	-0.12%	-0.04%	-0.04%	0.33%	0.18%	0.31%	14.29%	
1175	Shenandoah	18.29%	0.00%	0.00%	-0.12%	-0.01%	-0.09%	-0.07%	0.45%	0.16%	18.45%	
1181	Shepherd	2.75%	0.00%	0.00%	-0.16%	0.04%	-0.05%	-0.02%	-0.03%	-0.22%	2.53%	
1176	Sherman	13.94%	0.00%	0.00%	-0.39%	-0.04%	-0.04%	-0.03%	0.25%	-0.25%	13.69%	
1178	Shiner	10.82%	0.00%	0.00%	-0.15%	0.02%	0.11%	-0.09%	-0.27%	-0.38%	10.44%	
1179	Shoreacres	4.16%	0.00%	0.00%	-0.26%	-0.06%	0.05%	-0.12%	0.66%	0.27%	4.43%	
1180	Silsbee	18.07%	0.00%	0.00%	-0.28%	0.01%	0.14%	-0.23%	0.84%	0.48%	18.55%	
1182	Silverton	4.50%	0.00%	0.00%	-0.47%	-0.01%	0.01%	-0.29%	0.77%	0.01%	4.51%	
1183	Simonton	2.79%	6.29%	0.00%	0.06%	1.01%	-0.11%	1.28%	-0.63%	7.90%	10.69%	
1184	Sinton	12.46%	0.00%	0.00%	-0.26%	0.02%	0.10%	-0.17%	0.61%	0.30%	12.76%	
1185	Skellytown	1.91%	0.00%	0.00%	-0.10%	-0.07%	0.25%	-0.04%	-0.04%	0.00%	1.91%	
1186	Slaton	6.92%	0.00%	0.00%	-0.30%	0.01%	-0.01%	-0.38%	0.23%	-0.45%	6.47%	
1188	Smithville	6.80%	0.00%	0.00%	-0.13%	-0.05%	-0.05%	0.10%	0.18%	0.05%	6.85%	
1189	Smyer	7.20%	0.00%	0.00%	-0.14%	-0.94%	-0.01%	0.02%	-0.94%	-2.01%	5.19%	
1190	Snyder	13.45%	0.00%	0.00%	-0.42%	0.03%	0.05%	-0.14%	0.28%	-0.20%	13.25%	
1191	Somerset	2.38%	0.00%	0.00%	-0.03%	-0.03%	0.07%	0.09%	-0.09%	0.01%	2.39%	
1192	Somerville	4.64%	0.00%	0.00%	-0.13%	-0.04%	0.01%	-0.30%	-0.12%	-0.58%	4.06%	
1194	Sonora	7.71%	0.00%	0.00%	-0.21%	-0.13%	-0.06%	-0.12%	0.15%	-0.37%	7.34%	
1196	Sour Lake	5.44%	0.00%	0.00%	-0.09%	-0.02%	0.00%	-0.09%	0.01%	-0.19%	5.25%	
1198	South Houston	8.87%	0.00%	0.00%	-0.29%	-0.04%	0.07%	0.08%	0.55%	0.37%	9.24%	
1199	South Padre Island	12.25%	0.00%	0.00%	-0.25%	-0.05%	-0.04%	-0.15%	0.74%	0.25%	12.50%	
1197	Southlake	12.33%	0.00%	0.00%	-0.19%	-0.02%	-0.05%	-0.01%	0.10%	-0.17%	12.16%	
1200	Southmayd	3.42%	0.00%	0.00%	0.00%	0.03%	0.20%	-0.03%	-0.35%	-0.15%	3.27%	
1202	Southside Place	11.01%	0.00%	0.00%	-0.18%	0.00%	0.08%	0.18%	-0.13%	-0.05%	10.96%	
1204	Spearman	10.74%	0.00%	0.00%	-0.37%	0.07%	0.00%	0.01%	-1.02%	-1.31%	9.43%	
1201	Splendora	4.96%	6.47%	0.00%	0.03%	0.39%	-0.28%	-0.42%	-0.08%	6.11%	11.07%	
1205	Spring Valley Village	6.33%	0.00%	0.00%	-0.20%	-0.05%	0.00%	0.03%	0.02%	-0.20%	6.13%	
1203	Springtown	9.72%	0.00%	0.00%	-0.16%	0.03%	-0.11%	-0.10%	-0.11%	-0.45%	9.27%	
1206	Spur	4.80%	0.00%	0.00%	-0.31%	-0.03%	0.56%	0.16%	0.07%	0.45%	5.25%	
1207	Stafford	13.62%	0.00%	0.00%	-0.22%	0.10%	0.19%	-0.24%	-0.32%	-0.49%	13.13%	
1208	Stamford	4.79%	0.00%	0.00%	-0.29%	0.03%	-0.20%	-0.65%	-0.58%	-1.69%	3.10%	
1210	Stanton	5.62%	0.00%	0.00%	-0.18%	-0.02%	-0.03%	0.11%	-0.42%	-0.54%	5.08%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Changes								
1211	Star Harbor	12.87%	0.00%	0.00%	-0.58%	0.09%	0.00%	0.05%	3.46%	3.02%	15.89%	
1212	Stephenville	6.83%	0.00%	0.00%	-0.33%	-0.01%	0.01%	0.02%	-0.05%	-0.36%	6.47%	
1213	Sterling City	1.13%	0.00%	0.00%	-0.11%	-0.03%	0.06%	0.02%	0.01%	-0.05%	1.08%	
1214	Stinnett	0.23%	0.00%	0.00%	0.00%	0.01%	0.00%	0.14%	-0.38%	-0.23%	0.00%	
1216	Stockdale	4.62%	0.00%	0.00%	0.04%	-0.48%	-0.06%	-0.14%	0.23%	-0.41%	4.21%	
1218	Stratford	9.57%	0.00%	0.00%	-0.10%	0.04%	-0.01%	0.09%	-0.20%	-0.18%	9.39%	
1224	Sudan	1.17%	0.44%	0.00%	-0.12%	0.01%	-0.02%	-0.08%	-0.45%	-0.22%	0.95%	
1225	Sugar Land	14.35%	0.00%	0.00%	-0.23%	0.02%	0.04%	-0.07%	0.25%	0.01%	14.36%	
1226	Sulphur Springs	7.54%	0.33%	0.00%	-0.31%	0.02%	0.04%	-0.05%	-0.75%	-0.72%	6.82%	
1228	Sundown	12.23%	0.00%	0.00%	-0.39%	0.04%	-0.09%	0.12%	-0.25%	-0.57%	11.66%	
1229	Sunnyvale	11.58%	0.00%	0.00%	-0.03%	-0.29%	-0.28%	-0.07%	0.15%	-0.52%	11.06%	
1230	Sunray	14.39%	0.00%	0.00%	-0.30%	0.00%	0.09%	0.30%	-1.25%	-1.16%	13.23%	
1227	Sunrise Beach Village	1.46%	0.00%	0.00%	-0.06%	0.00%	0.02%	0.37%	-0.20%	0.13%	1.59%	
1231	Sunset Valley	11.54%	0.00%	0.00%	-0.19%	0.04%	0.08%	-0.43%	-0.13%	-0.63%	10.91%	
1233	Surfside Beach	1.55%	3.94%	0.00%	-0.02%	0.27%	0.08%	0.09%	-0.42%	3.94%	5.49%	
1232	Sweeny	15.24%	0.00%	0.00%	-0.33%	0.09%	0.37%	-0.06%	-0.54%	-0.47%	14.77%	
1234	Sweetwater	16.18%	0.00%	0.00%	-0.33%	-0.02%	0.22%	0.02%	0.37%	0.26%	16.44%	
1264	TMRS	15.19%	0.00%	0.00%	-0.18%	-0.11%	-0.06%	0.13%	0.09%	-0.13%	15.06%	
1236	Taft	15.19%	0.00%	0.00%	-0.13%	-0.15%	-0.19%	0.93%	0.16%	0.62%	15.81%	
1238	Tahoka	0.55%	1.54%	0.00%	-0.30%	0.11%	0.12%	0.04%	-0.07%	1.44%	1.99%	
1240	Talty	11.44%	0.00%	0.00%	0.12%	-0.80%	-0.10%	-0.11%	0.07%	-0.82%	10.62%	
1241	Tatum	1.75%	0.00%	0.00%	-0.06%	-0.02%	0.01%	0.17%	0.02%	0.12%	1.87%	
1246	Taylor	12.69%	0.00%	0.00%	-0.17%	-0.08%	-0.04%	0.10%	0.20%	0.01%	12.70%	
1248	Teague	7.93%	0.00%	0.00%	-0.23%	-0.26%	-0.06%	-0.45%	0.54%	-0.46%	7.47%	
1252	Temple	16.73%	0.00%	0.00%	-0.28%	-0.09%	-0.12%	-0.09%	0.65%	0.07%	16.80%	
1254	Tenaha	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%	-0.04%	0.00%	0.00%	
1256	Terrell	16.25%	0.00%	0.00%	-0.27%	-0.04%	-0.04%	0.00%	0.75%	0.40%	16.65%	
1258	Terrell Hills	15.50%	0.00%	0.00%	-0.28%	-0.04%	-0.16%	-0.18%	0.86%	0.20%	15.70%	
31263	Tex Municipal League IEBP	8.51%	0.00%	0.00%	-0.19%	0.00%	-0.07%	0.01%	-0.17%	-0.42%	8.09%	
21263	Tex Municipal League IRP	10.44%	0.00%	0.00%	-0.37%	0.06%	0.00%	0.02%	0.45%	0.16%	10.60%	
21260	Texarkana	14.94%	0.00%	0.00%	-0.42%	0.04%	0.41%	0.03%	0.80%	0.86%	15.80%	
11260	Texarkana Police Dept	14.75%	0.00%	0.00%	-0.47%	0.02%	-0.05%	-0.05%	0.27%	-0.28%	14.47%	
31260	Texarkana Water Utilities	16.03%	0.00%	0.00%	-0.33%	0.02%	0.14%	0.11%	0.73%	0.67%	16.70%	
1262	Texas City	16.79%	0.00%	0.00%	-0.37%	-0.01%	-0.05%	-0.15%	0.67%	0.09%	16.88%	
11263	Texas Municipal League	13.33%	0.00%	0.00%	-0.38%	0.01%	0.22%	0.08%	0.40%	0.33%	13.66%	
1267	The Colony	13.47%	0.00%	0.00%	-0.20%	-0.03%	-0.09%	0.13%	0.17%	-0.02%	13.45%	
1269	Thompsons	4.12%	0.00%	0.00%	-0.42%	0.12%	0.63%	0.55%	0.61%	1.49%	5.61%	
1268	Thorndale	7.32%	0.00%	0.00%	-0.19%	0.08%	0.07%	0.19%	-0.43%	-0.28%	7.04%	
1272	Thrall	5.98%	0.00%	0.00%	0.05%	-0.30%	-0.05%	-0.23%	-0.19%	-0.72%	5.26%	
1274	Three Rivers	23.26%	0.00%	0.00%	-0.14%	0.04%	0.80%	0.03%	0.39%	1.12%	24.38%	
1276	Throckmorton	5.59%	0.00%	0.00%	-0.53%	-0.07%	-0.02%	0.08%	0.96%	0.42%	6.01%	
1277	Tiki Island	3.52%	0.00%	0.00%	-0.07%	-0.02%	0.02%	0.00%	0.00%	-0.07%	3.45%	
1278	Timpson	1.64%	0.00%	0.00%	-0.24%	0.00%	-0.47%	-0.13%	-0.10%	-0.94%	0.70%	
1280	Tioga	1.89%	2.12%	0.00%	-0.03%	0.16%	0.01%	0.32%	-0.21%	2.37%	4.26%	
1283	Tolar	7.06%	0.00%	0.00%	-0.14%	-0.20%	0.03%	0.18%	0.25%	0.12%	7.18%	
1286	Tom Bean	2.74%	0.00%	0.00%	-0.04%	-0.03%	0.07%	-0.15%	-0.05%	-0.20%	2.54%	
1284	Tomball	12.98%	0.00%	0.00%	-0.18%	-0.03%	-0.04%	0.08%	0.23%	0.06%	13.04%	
1290	Trent	4.94%	0.00%	0.00%	-0.16%	-0.16%	-0.73%	-0.75%	-0.95%	-2.75%	2.19%	
1292	Trenton	4.18%	0.00%	0.00%	-0.11%	0.02%	-0.04%	-0.37%	-0.01%	-0.51%	3.67%	
1293	Trinidad	1.52%	10.36%	0.00%	-0.16%	1.05%	-0.36%	0.74%	1.35%	12.98%	14.50%	
1294	Trinity	6.23%	0.00%	0.00%	-0.11%	-0.04%	-0.04%	0.03%	-0.55%	-0.71%	5.52%	
1295	Trophy Club	12.58%	0.00%	0.00%	-0.18%	-0.09%	0.01%	0.08%	0.28%	0.10%	12.68%	
1296	Troup	5.26%	0.00%	0.00%	-0.09%	0.02%	0.02%	-0.13%	0.25%	0.07%	5.33%	
1297	Troy	10.19%	0.00%	0.00%	-0.05%	0.02%	0.00%	-0.02%	-0.58%	-0.63%	9.56%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Changes								
1298	Tulia	8.32%	0.00%	0.00%	-0.45%	-0.07%	0.00%	0.78%	-0.12%	0.14%	8.46%	
1299	Turkey	5.26%	0.00%	0.00%	-0.09%	0.01%	0.00%	-0.01%	0.07%	-0.02%	5.24%	
1300	Tuscola	5.67%	0.00%	0.00%	0.08%	0.05%	0.77%	-0.09%	-1.81%	-1.00%	4.67%	
1301	Tye	5.51%	0.00%	0.00%	-0.07%	-0.04%	-0.10%	0.66%	-0.16%	0.29%	5.80%	
1304	Tyler	20.64%	0.00%	0.00%	-0.33%	-0.13%	-0.39%	0.01%	0.85%	0.01%	20.65%	
1305	Universal City	18.64%	0.00%	0.00%	-0.22%	0.08%	0.16%	-0.06%	0.23%	0.19%	18.83%	
1306	University Park	8.65%	0.00%	0.00%	-0.41%	-0.01%	-0.03%	0.03%	-0.06%	-0.48%	8.17%	
1308	Uvalde	5.48%	3.54%	0.00%	-0.15%	0.25%	0.04%	0.00%	-0.36%	3.32%	8.80%	
1312	Valley Mills	2.03%	0.00%	0.00%	0.00%	-0.05%	0.04%	-0.21%	-0.16%	-0.38%	1.65%	
1313	Valley View	1.75%	0.00%	0.00%	-0.01%	-0.03%	0.03%	0.04%	-0.14%	-0.11%	1.64%	
1314	Van	6.67%	0.00%	0.00%	-0.17%	-0.05%	0.06%	-0.23%	0.02%	-0.37%	6.30%	
1316	Van Alstyne	10.14%	2.62%	0.00%	-0.08%	0.09%	-0.31%	0.04%	0.36%	2.72%	12.86%	
1318	Van Horn	8.00%	0.00%	0.00%	-0.26%	-0.09%	0.00%	0.13%	0.20%	-0.02%	7.98%	
1320	Vega	20.30%	0.00%	0.00%	-0.91%	-0.22%	0.37%	0.14%	0.99%	0.37%	20.67%	
1324	Venus	10.69%	0.00%	0.00%	-0.05%	-0.13%	0.02%	0.16%	0.11%	0.11%	10.80%	
1326	Vernon	11.58%	0.00%	0.00%	-0.36%	-0.06%	0.02%	0.08%	0.51%	0.19%	11.77%	
1328	Victoria	15.71%	0.00%	0.00%	-0.35%	-0.03%	0.15%	0.03%	0.60%	0.40%	16.11%	
1329	Vidor	14.74%	0.00%	0.00%	-0.47%	0.06%	-0.03%	-0.37%	0.39%	-0.42%	14.32%	
1500	Village Fire Department	6.55%	0.00%	0.00%	-0.33%	-0.10%	-0.05%	-0.02%	0.17%	-0.33%	6.22%	
1327	Village of the Hills	8.49%	0.00%	0.00%	0.10%	-0.01%	-0.06%	0.00%	0.49%	0.52%	9.01%	
1330	Waco	14.34%	0.00%	0.00%	-0.53%	-0.14%	-0.09%	0.01%	0.08%	-0.67%	13.67%	
1332	Waelder	2.65%	0.00%	0.00%	-0.07%	0.00%	0.02%	0.09%	-0.64%	-0.60%	2.05%	
1334	Wake Village	14.00%	0.00%	0.00%	-0.20%	0.06%	0.23%	0.19%	-0.40%	-0.12%	13.88%	
1336	Waller	4.11%	6.89%	0.00%	-0.11%	0.42%	-0.03%	-0.24%	0.32%	7.25%	11.36%	
1337	Wallis	2.33%	0.00%	0.00%	-0.11%	-0.26%	0.06%	-0.09%	0.20%	-0.20%	2.13%	
1338	Walnut Springs	3.97%	0.00%	0.00%	-0.21%	0.00%	-0.02%	0.01%	0.28%	0.06%	4.03%	
1340	Waskom	6.62%	14.11%	0.00%	-0.19%	1.05%	0.08%	0.53%	1.09%	16.67%	23.29%	
1341	Watauga	14.82%	0.00%	0.00%	-0.31%	0.03%	0.26%	-0.16%	0.10%	-0.08%	14.74%	
1342	Waxahachie	15.60%	0.00%	0.00%	-0.18%	0.01%	-0.03%	0.12%	0.37%	0.29%	15.89%	
1344	Weatherford	13.52%	0.00%	0.00%	-0.32%	0.01%	0.09%	0.03%	0.18%	-0.01%	13.51%	
1345	Webster	17.52%	0.00%	0.00%	-0.28%	0.00%	-0.12%	-0.42%	0.38%	-0.44%	17.08%	
1346	Weimar	13.73%	0.00%	0.00%	-0.79%	-0.04%	0.01%	0.35%	-0.12%	-0.59%	13.14%	
1350	Wellington	3.29%	0.00%	0.00%	-0.47%	0.04%	-0.31%	0.02%	0.18%	-0.54%	2.75%	
1352	Wells	3.15%	0.00%	0.00%	-0.05%	-0.31%	0.20%	-0.05%	0.42%	0.21%	3.36%	
1354	Weslaco	7.86%	0.18%	0.00%	-0.21%	-0.06%	-0.14%	0.01%	-0.15%	-0.37%	7.49%	
1356	West	5.76%	0.00%	0.00%	-0.18%	-0.05%	0.01%	-0.04%	-0.57%	-0.83%	4.93%	
1358	West Columbia	3.96%	0.00%	0.00%	-0.21%	0.00%	0.00%	0.10%	-0.07%	-0.18%	3.78%	
1359	West Lake Hills	16.05%	0.00%	0.00%	-0.25%	-0.11%	-0.12%	0.24%	0.27%	0.03%	16.08%	
1361	West Orange	18.80%	0.00%	0.00%	-0.42%	0.01%	-0.37%	0.02%	0.97%	0.21%	19.01%	
1365	West Tawakoni	7.62%	0.00%	0.00%	-0.16%	-0.29%	-0.02%	0.16%	-2.26%	-2.57%	5.05%	
1364	West Univ. Place	12.91%	0.00%	0.00%	-0.28%	0.01%	-0.15%	0.18%	-0.15%	-0.39%	12.52%	
1363	Westlake	11.59%	0.00%	0.00%	-0.06%	0.00%	0.00%	0.20%	0.14%	0.28%	11.87%	
1362	Westover Hills	6.04%	0.00%	0.00%	-0.08%	-0.01%	0.00%	-0.18%	-0.14%	-0.41%	5.63%	
1366	Westworth Village	10.50%	0.00%	0.00%	-0.13%	-0.07%	0.04%	-0.02%	0.08%	-0.10%	10.40%	
1368	Wharton	5.06%	0.00%	0.00%	-0.22%	-0.01%	0.02%	-0.09%	0.18%	-0.12%	4.94%	
1370	Wheeler	9.23%	0.00%	0.00%	-0.47%	0.01%	-0.01%	0.00%	1.62%	1.15%	10.38%	
1372	White Deer	9.42%	0.00%	0.00%	-0.16%	-0.12%	0.25%	0.14%	1.06%	1.17%	10.59%	
1377	White Oak	12.79%	0.00%	0.00%	-0.33%	-0.14%	0.07%	-0.06%	1.61%	1.15%	13.94%	
1378	White Settlement	17.07%	0.00%	0.00%	-0.24%	0.03%	-0.03%	-0.25%	0.38%	-0.11%	16.96%	
1374	Whiteface	2.84%	0.00%	0.00%	-0.32%	-0.04%	0.27%	-0.02%	-0.09%	-0.20%	2.64%	
1375	Whitehouse	8.31%	0.00%	0.00%	-0.12%	-0.04%	-0.04%	0.05%	-0.18%	-0.33%	7.98%	
1376	Whitesboro	5.86%	0.00%	0.00%	-0.40%	-0.13%	-0.02%	0.00%	0.22%	-0.33%	5.53%	
1380	Whitewright	2.87%	0.00%	0.00%	-0.13%	0.01%	-0.01%	0.20%	-0.27%	-0.20%	2.67%	
1382	Whitney	3.61%	0.00%	0.00%	-0.07%	-0.03%	0.02%	-0.17%	-0.28%	-0.53%	3.08%	

Section 3
TEXAS MUNICIPAL RETIREMENT SYSTEM
Changes in Full Retirement Rate from Prior Valuation Report

CITY NUMBER	CITY NAME	2022 Rates	Assumption & Method Changes		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2023 Rates
			Benefit Changes	Method Changes								
1384	Wichita Falls	16.42%	0.00%	0.00%	-0.48%	0.01%	0.06%	0.00%	0.17%	-0.24%	16.18%	
1386	Willis	9.47%	0.00%	0.00%	-0.11%	-0.06%	-0.05%	-0.15%	-0.63%	-1.00%	8.47%	
1387	Willow Park	6.99%	0.00%	0.00%	-0.02%	-0.08%	-0.03%	0.09%	-0.04%	-0.08%	6.91%	
1388	Wills Point	10.82%	0.00%	0.00%	-0.32%	-0.04%	0.14%	0.13%	-0.30%	-0.39%	10.43%	
1390	Wilmer	5.42%	0.00%	0.00%	-0.06%	-0.06%	0.04%	-0.11%	0.02%	-0.17%	5.25%	
1392	Wimberley	5.66%	0.00%	0.00%	-0.01%	-0.05%	-0.09%	0.47%	0.13%	0.45%	6.11%	
1393	Windcrest	7.00%	0.00%	0.00%	-0.14%	0.00%	0.00%	-0.09%	0.12%	-0.11%	6.89%	
1395	Winfield	2.58%	0.00%	0.00%	-0.05%	0.01%	-0.01%	0.00%	-0.01%	-0.06%	2.52%	
1396	Wink	6.02%	0.00%	0.00%	-0.07%	0.00%	-0.01%	0.06%	0.01%	-0.01%	6.01%	
1398	Winnsboro	8.80%	0.00%	0.00%	-0.17%	-0.01%	0.01%	-0.32%	0.54%	0.05%	8.85%	
1399	Winona	4.76%	0.00%	0.00%	-0.36%	0.11%	1.36%	-0.54%	1.02%	1.59%	6.35%	
1400	Winters	10.65%	0.00%	0.00%	-0.41%	0.06%	-0.08%	-0.24%	-2.83%	-3.50%	7.15%	
1403	Wolfforth	10.93%	0.00%	0.00%	-0.09%	-0.11%	-0.57%	-0.02%	0.76%	-0.03%	10.90%	
1409	Woodcreek	10.41%	0.00%	0.00%	-0.01%	-0.16%	0.06%	-0.33%	-0.82%	-1.26%	9.15%	
1404	Woodsboro	1.94%	0.00%	0.00%	-0.10%	0.02%	-0.10%	0.05%	0.04%	-0.09%	1.85%	
1406	Woodville	16.56%	0.00%	0.00%	-0.27%	-0.01%	-0.01%	-0.04%	0.56%	0.23%	16.79%	
1407	Woodway	17.67%	0.00%	0.00%	-0.36%	-0.10%	-0.34%	-0.01%	0.37%	-0.44%	17.23%	
1408	Wortham	6.21%	0.00%	0.00%	-0.11%	0.01%	-0.02%	0.00%	0.06%	-0.06%	6.15%	
1410	Wylie	15.27%	0.00%	0.00%	-0.13%	0.00%	-0.08%	0.00%	-0.10%	-0.31%	14.96%	
1412	Yoakum	16.00%	0.00%	0.00%	-0.32%	-0.05%	-0.13%	-0.10%	1.58%	0.98%	16.98%	
1414	Yorktown	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
1415	Zavalla	1.99%	0.00%	0.00%	-0.12%	-0.05%	0.05%	0.05%	0.20%	0.13%	2.12%	

SECTION 4

COMPARISON OF EXPECTED CITY CONTRIBUTION DOLLAR AMOUNTS FOR 2022 AND 2023

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
4	Abernathy	\$721,641	3.65%	\$26,340	\$741,486	3.71%	\$27,509
6	Abilene	\$59,815,671	10.67%	\$6,382,332	\$61,460,602	10.08%	\$6,195,229
7	Addison	\$24,662,424	11.59%	\$2,858,375	\$25,340,641	11.31%	\$2,866,026
8	Agua Dulce	\$97,835	8.88%	\$8,688	\$100,525	9.15%	\$9,198
10	Alamo	\$5,663,832	6.02%	\$340,963	\$5,819,587	5.92%	\$344,520
12	Alamo Heights	\$6,287,344	16.57%	\$1,041,813	\$6,453,959	16.21%	\$1,046,187
14	Alba	\$241,586	13.75%	\$33,218	\$248,230	13.52%	\$33,561
16	Albany	\$577,897	4.52%	\$26,121	\$593,789	4.45%	\$26,424
17	Aledo	\$788,461	14.16%	\$111,646	\$810,144	13.69%	\$110,909
18	Alice	\$10,258,599	4.21%	\$431,887	\$10,499,676	4.10%	\$430,487
19	Allen	\$58,263,688	14.16%	\$8,250,138	\$59,865,939	14.46%	\$8,656,615
20	Alpine	\$3,850,708	2.13%	\$82,020	\$3,956,602	1.65%	\$65,284
22	Alto	\$491,083	10.41%	\$51,122	\$504,588	9.79%	\$49,399
23	Alton	\$4,120,468	11.11%	\$457,784	\$4,233,781	11.34%	\$480,111
24	Alvarado	\$3,345,667	5.36%	\$179,328	\$3,437,673	5.22%	\$179,447
26	Alvin	\$12,940,814	16.93%	\$2,190,880	\$13,296,686	16.95%	\$2,253,788
28	Alvord	\$342,495	5.47%	\$18,734	\$350,544	5.58%	\$19,560
30	Amarillo	\$93,342,264	11.85%	\$11,061,058	\$95,909,176	11.00%	\$10,550,009
32	Amherst	\$200,038	0.22%	\$440	\$203,539	0.00%	\$0
34	Anahuac	\$514,766	7.31%	\$37,629	\$523,774	7.31%	\$38,288
36	Andrews	\$5,636,928	16.18%	\$912,055	\$5,791,944	15.98%	\$925,553
38	Angleton	\$7,863,667	11.66%	\$916,904	\$8,079,918	11.06%	\$893,639
40	Anna	\$8,472,439	13.57%	\$1,149,710	\$8,705,431	14.07%	\$1,224,854
41	Annetta	\$124,261	10.33%	\$12,836	\$127,678	10.04%	\$12,819
44	Anson	\$952,719	1.48%	\$14,100	\$978,919	1.46%	\$14,292
45	Anthony	\$1,341,036	2.76%	\$37,013	\$1,377,914	2.65%	\$36,515
48	Aransas Pass	\$6,084,924	9.52%	\$579,285	\$6,252,259	9.40%	\$587,712
50	Archer City	\$804,475	4.02%	\$32,340	\$826,598	3.43%	\$28,352
49	Arcola	\$859,160	3.55%	\$30,500	\$882,787	3.38%	\$29,838
51	Argyle	\$2,304,864	11.78%	\$271,513	\$2,368,248	10.37%	\$245,587
52	Arlington	\$197,306,299	10.17%	\$20,066,051	\$202,732,222	9.65%	\$19,563,659
54	Arp	\$433,883	7.90%	\$34,277	\$445,815	6.26%	\$27,908
60	Aspermont	\$347,997	0.00%	\$0	\$355,827	0.00%	\$0
62	Athens	\$7,715,093	16.28%	\$1,256,017	\$7,927,258	16.17%	\$1,281,838
64	Atlanta	\$1,772,165	6.55%	\$116,077	\$1,813,811	5.86%	\$106,289
66	Aubrey	\$4,731,945	5.63%	\$266,409	\$4,862,073	5.83%	\$283,459
74	Avinger	\$62,498	2.48%	\$1,550	\$64,217	2.38%	\$1,528
75	Azle	\$8,659,623	12.46%	\$1,078,989	\$8,897,763	12.82%	\$1,140,693
77	Baird	\$519,115	0.99%	\$5,139	\$533,391	1.00%	\$5,334
78	Balch Springs	\$11,504,937	13.48%	\$1,550,866	\$11,821,323	14.11%	\$1,667,989
79	Balcones Heights	\$3,136,708	10.50%	\$329,354	\$3,222,967	10.73%	\$345,824
80	Ballinger	\$1,388,852	15.98%	\$221,939	\$1,427,045	17.73%	\$253,015
82	Balmorhea	\$37,593	0.00%	\$0	\$38,251	0.00%	\$0
83	Bandera	\$891,602	11.17%	\$99,592	\$916,121	9.94%	\$91,062
84	Bangs	\$485,268	9.92%	\$48,139	\$498,613	8.98%	\$44,775

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
90	Bartlett	\$842,514	6.75%	\$56,870	\$861,471	7.31%	\$62,974
91	Bartonville	\$470,626	14.79%	\$69,606	\$483,568	15.74%	\$76,114
92	Bastrop	\$8,526,611	11.41%	\$972,886	\$8,761,093	11.57%	\$1,013,658
94	Bay City	\$8,363,122	9.33%	\$780,279	\$8,584,745	9.43%	\$809,541
93	Bayou Vista	\$420,028	2.51%	\$10,543	\$431,579	2.61%	\$11,264
96	Baytown	\$70,638,263	17.29%	\$12,213,356	\$72,580,815	17.56%	\$12,745,191
98	Beaumont	\$68,527,692	19.19%	\$13,150,464	\$70,343,676	19.47%	\$13,695,914
100	Bedford	\$24,551,114	16.50%	\$4,050,934	\$25,226,270	16.80%	\$4,238,013
101	Bee Cave	\$3,799,381	9.21%	\$349,923	\$3,903,864	9.58%	\$373,990
102	Beeville	\$4,863,882	1.29%	\$62,744	\$4,968,455	1.16%	\$57,634
106	Bellaire	\$12,350,539	19.78%	\$2,442,937	\$12,690,179	20.26%	\$2,571,030
109	Bellmead	\$3,901,200	8.47%	\$330,432	\$4,008,483	8.24%	\$330,299
110	Bells	\$430,135	3.52%	\$15,141	\$441,964	3.70%	\$16,353
112	Bellville	\$2,664,308	16.40%	\$436,947	\$2,732,248	16.96%	\$463,389
114	Belton	\$9,476,494	10.33%	\$978,922	\$9,737,098	10.16%	\$989,289
118	Benbrook	\$10,876,904	15.92%	\$1,731,603	\$11,176,019	16.05%	\$1,793,751
121	Berryville	\$157,720	2.95%	\$4,653	\$160,480	2.97%	\$4,766
123	Bertram	\$816,103	4.31%	\$35,174	\$838,546	4.49%	\$37,651
124	Big Lake	\$1,529,097	17.82%	\$272,485	\$1,571,147	18.65%	\$293,019
126	Big Sandy	\$465,560	2.86%	\$13,315	\$478,363	3.11%	\$14,877
128	Big Spring	\$9,885,905	17.38%	\$1,718,170	\$10,088,566	17.87%	\$1,802,827
132	Bishop	\$905,682	2.90%	\$26,265	\$930,588	2.93%	\$27,266
134	Blanco	\$1,161,838	5.92%	\$68,781	\$1,193,789	6.55%	\$78,193
140	Blooming Grove	\$187,532	11.17%	\$20,947	\$192,689	11.36%	\$21,889
142	Blossom	\$213,078	4.81%	\$10,249	\$218,938	4.89%	\$10,706
143	Blue Mound	\$1,225,729	4.81%	\$58,958	\$1,259,437	4.25%	\$53,526
144	Blue Ridge	\$265,258	2.07%	\$5,491	\$272,553	2.22%	\$6,051
148	Boerne	\$18,161,495	18.76%	\$3,407,096	\$18,660,936	18.63%	\$3,476,532
150	Bogata	\$318,986	0.33%	\$1,053	\$327,758	0.16%	\$524
152	Bonham	\$5,977,579	9.63%	\$575,641	\$6,141,962	9.49%	\$582,872
154	Booker	\$538,951	5.93%	\$31,960	\$551,616	6.08%	\$33,538
156	Borger	\$9,277,436	12.83%	\$1,190,295	\$9,532,565	12.78%	\$1,218,262
158	Bovina	\$406,955	0.14%	\$570	\$418,146	0.30%	\$1,254
160	Bowie	\$4,146,866	9.37%	\$388,561	\$4,227,730	9.15%	\$386,837
162	Boyd	\$896,343	3.83%	\$34,330	\$920,992	3.89%	\$35,827
166	Brady	\$4,777,486	9.24%	\$441,440	\$4,908,867	9.33%	\$457,997
170	Brazoria	\$1,238,308	5.82%	\$72,070	\$1,272,361	6.02%	\$76,596
172	Breckenridge	\$2,097,334	6.26%	\$131,293	\$2,142,427	6.04%	\$129,403
174	Bremond	\$227,159	15.81%	\$35,914	\$233,406	16.54%	\$38,605
176	Brenham	\$12,386,869	16.64%	\$2,061,175	\$12,727,508	17.11%	\$2,177,677
177	Bridge City	\$3,859,437	13.99%	\$539,935	\$3,965,572	17.29%	\$685,647
178	Bridgeport	\$3,920,155	13.21%	\$517,852	\$3,988,758	13.01%	\$518,937
180	Bronte	\$179,488	10.89%	\$19,546	\$182,629	8.73%	\$15,944
182	Brookshire	\$2,262,755	9.15%	\$207,042	\$2,324,981	9.39%	\$218,316
184	Brownfield	\$4,088,027	3.49%	\$142,672	\$4,200,448	2.22%	\$93,250

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
186	Brownsboro	\$294,136	10.92%	\$32,120	\$302,225	11.76%	\$35,542
10188	Brownsville	\$65,701,138	16.90%	\$11,103,492	\$67,507,919	17.14%	\$11,570,857
20188	Brownsville PUB	\$31,581,439	17.19%	\$5,428,849	\$32,449,929	17.24%	\$5,594,368
10190	Brownwood	\$10,623,801	13.11%	\$1,392,780	\$10,915,956	13.44%	\$1,467,104
30190	Brownwood Health Dept.	\$601,244	12.09%	\$72,690	\$617,778	10.59%	\$65,423
20190	Brownwood Public Library	\$144,858	4.05%	\$5,867	\$148,842	0.00%	\$0
195	Bruceville-Eddy	\$536,595	5.09%	\$27,313	\$551,351	4.34%	\$23,929
192	Bryan	\$66,858,328	9.18%	\$6,137,595	\$68,696,932	8.85%	\$6,079,678
193	Bryson	\$104,436	0.00%	\$0	\$107,308	0.00%	\$0
194	Buda	\$7,698,126	14.30%	\$1,100,832	\$7,909,824	14.17%	\$1,120,822
196	Buffalo	\$599,357	4.11%	\$24,634	\$610,445	3.90%	\$23,807
198	Bullard	\$1,473,969	13.52%	\$199,281	\$1,514,503	12.64%	\$191,433
203	Bulverde	\$1,853,011	9.19%	\$170,292	\$1,903,969	9.00%	\$171,357
199	Bunker Hill Village	\$764,727	10.60%	\$81,061	\$784,228	9.92%	\$77,795
200	Burkburnett	\$3,460,677	10.63%	\$367,870	\$3,555,846	10.38%	\$369,097
202	Burleson	\$27,834,383	16.50%	\$4,592,673	\$28,599,829	16.97%	\$4,853,391
204	Burnet	\$7,232,817	13.22%	\$956,178	\$7,431,719	12.65%	\$940,112
205	Byers	\$89,025	6.61%	\$5,885	\$91,473	6.96%	\$6,367
207	Cactus	\$2,671,847	9.43%	\$251,955	\$2,745,323	9.59%	\$263,276
208	Caddo Mills	\$1,029,769	5.90%	\$60,756	\$1,058,088	5.63%	\$59,570
210	Caldwell	\$2,566,958	6.94%	\$178,147	\$2,634,982	6.97%	\$183,658
211	Callisburg	\$69,792	7.12%	\$4,969	\$71,711	7.27%	\$5,213
212	Calvert	\$497,833	13.62%	\$67,805	\$511,523	15.93%	\$81,486
214	Cameron	\$2,037,114	8.69%	\$177,025	\$2,089,060	7.93%	\$165,662
216	Campbell	\$65,681	40.90%	\$26,864	\$67,487	41.87%	\$28,257
220	Canadian	\$1,099,998	18.06%	\$198,660	\$1,130,248	18.36%	\$207,514
221	Caney City	\$153,361	1.71%	\$2,622	\$157,578	1.52%	\$2,395
222	Canton	\$3,343,687	10.85%	\$362,790	\$3,435,638	10.54%	\$362,116
224	Canyon	\$6,796,702	13.51%	\$918,234	\$6,983,611	13.56%	\$946,978
227	Carmine	\$68,494	0.00%	\$0	\$69,761	0.00%	\$0
228	Carrizo Springs	\$1,872,348	5.17%	\$96,800	\$1,923,838	4.29%	\$82,533
230	Carrollton	\$66,684,036	10.83%	\$7,221,881	\$68,451,163	10.84%	\$7,420,106
232	Carthage	\$4,534,247	18.53%	\$840,196	\$4,640,802	19.65%	\$911,918
231	Castle Hills	\$3,804,034	12.49%	\$475,124	\$3,908,645	12.20%	\$476,855
234	Castroville	\$2,459,284	8.59%	\$211,252	\$2,526,914	8.67%	\$219,083
238	Cedar Hill	\$26,244,570	14.28%	\$3,747,725	\$26,966,296	14.80%	\$3,991,012
239	Cedar Park	\$36,483,527	14.58%	\$5,319,298	\$37,486,824	14.78%	\$5,540,553
240	Celeste	\$159,522	3.70%	\$5,902	\$163,909	3.57%	\$5,852
242	Celina	\$13,682,561	6.23%	\$852,424	\$14,058,831	6.29%	\$884,300
244	Center	\$3,561,129	11.44%	\$407,393	\$3,659,060	10.71%	\$391,885
246	Centerville	\$244,037	18.65%	\$45,513	\$250,748	15.32%	\$38,415
247	Chandler	\$1,320,236	7.73%	\$102,054	\$1,356,542	7.24%	\$98,214
248	Charlotte	\$382,108	2.85%	\$10,890	\$392,616	2.83%	\$11,111
249	Chester	\$41,755	0.00%	\$0	\$42,486	0.00%	\$0
245	Chico	\$201,735	4.16%	\$8,392	\$206,072	4.29%	\$8,840

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
250	Childress	\$2,060,012	16.35%	\$336,812	\$2,116,662	16.97%	\$359,198
251	Chillicothe	\$249,687	6.33%	\$15,805	\$256,553	3.67%	\$9,415
253	Chireno	\$328,675	22.37%	\$73,525	\$337,714	21.54%	\$72,744
254	Christine	\$37,610	0.00%	\$0	\$38,644	0.00%	\$0
255	Cibolo	\$8,777,266	11.92%	\$1,046,250	\$9,018,641	11.56%	\$1,042,555
256	Cisco	\$1,608,087	6.43%	\$103,400	\$1,652,309	7.19%	\$118,801
258	Clarendon	\$455,789	1.32%	\$6,016	\$468,323	1.19%	\$5,573
259	Clarksville	\$821,327	2.80%	\$22,997	\$836,522	2.00%	\$16,730
260	Clarksville City	\$221,898	3.73%	\$8,277	\$228,000	3.78%	\$8,618
263	Clear Lake Shores	\$1,133,470	10.66%	\$120,828	\$1,164,640	10.82%	\$126,014
264	Cleburne	\$16,453,401	15.95%	\$2,624,317	\$16,872,963	15.80%	\$2,665,928
266	Cleveland	\$4,686,462	10.24%	\$479,894	\$4,805,967	10.59%	\$508,952
268	Clifton	\$1,175,504	1.68%	\$19,748	\$1,207,830	1.27%	\$15,339
271	Clute	\$5,499,432	9.93%	\$546,094	\$5,628,669	10.02%	\$563,993
272	Clyde	\$1,572,605	13.47%	\$211,830	\$1,615,852	13.63%	\$220,241
274	Coahoma	\$274,727	6.42%	\$17,637	\$282,282	6.26%	\$17,671
276	Cockrell Hill	\$1,436,293	8.76%	\$125,819	\$1,475,791	9.23%	\$136,216
278	Coleman	\$2,507,181	17.49%	\$438,506	\$2,568,607	17.80%	\$457,212
280	College Station	\$63,322,489	13.08%	\$8,282,582	\$65,063,857	12.65%	\$8,230,578
281	Colleyville	\$15,291,089	9.77%	\$1,493,939	\$15,711,594	9.98%	\$1,568,017
282	Collinsville	\$375,925	6.45%	\$24,247	\$386,263	6.56%	\$25,339
283	Colmesneil	\$162,033	8.84%	\$14,324	\$166,489	8.18%	\$13,619
284	Colorado City	\$1,702,087	6.94%	\$118,125	\$1,740,384	6.89%	\$119,912
286	Columbus	\$1,994,019	10.03%	\$200,000	\$2,048,855	9.65%	\$197,715
288	Comanche	\$1,428,438	4.82%	\$68,851	\$1,460,578	4.68%	\$68,355
289	Combes	\$695,072	6.53%	\$45,388	\$714,186	6.19%	\$44,208
290	Commerce	\$3,220,735	7.66%	\$246,708	\$3,293,202	8.24%	\$271,360
294	Conroe	\$35,418,282	16.25%	\$5,755,471	\$36,392,285	16.26%	\$5,917,386
295	Converse	\$10,061,861	13.84%	\$1,392,562	\$10,338,562	14.27%	\$1,475,313
298	Cooper	\$498,371	5.62%	\$28,008	\$512,076	5.76%	\$29,496
299	Coppell	\$32,383,791	16.27%	\$5,268,843	\$33,274,345	16.55%	\$5,506,904
297	Copper Canyon	\$319,099	11.36%	\$36,250	\$327,874	9.72%	\$31,869
300	Copperas Cove	\$14,534,950	12.32%	\$1,790,706	\$14,876,521	12.66%	\$1,883,368
301	Corinth	\$11,966,584	15.03%	\$1,798,578	\$12,283,698	15.03%	\$1,846,240
302	Corpus Christi	\$151,865,039	17.02%	\$25,847,430	\$155,433,867	16.55%	\$25,724,305
304	Corrigan	\$1,205,421	3.46%	\$41,708	\$1,238,570	3.53%	\$43,722
306	Corsicana	\$9,181,289	14.07%	\$1,291,807	\$9,351,143	14.16%	\$1,324,122
307	Cottonwood Shores	\$793,841	5.66%	\$44,931	\$815,672	5.74%	\$46,820
308	Cotulla	\$1,949,630	5.95%	\$116,003	\$2,003,245	5.89%	\$117,991
310	Crandall	\$1,852,522	10.86%	\$201,184	\$1,903,466	10.15%	\$193,202
312	Crane	\$1,597,581	8.01%	\$127,966	\$1,641,514	7.91%	\$129,844
314	Crawford	\$222,187	1.14%	\$2,533	\$228,297	1.08%	\$2,466
315	Creedmoor	\$161,942	5.49%	\$8,891	\$166,395	5.73%	\$9,534
316	Crockett	\$2,392,450	14.21%	\$339,967	\$2,434,318	14.39%	\$350,298
318	Crosbyton	\$431,329	2.74%	\$11,818	\$443,191	1.65%	\$7,313

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
320	Cross Plains	\$393,959	7.26%	\$28,601	\$404,793	6.70%	\$27,121
321	Cross Roads	\$984,937	7.48%	\$73,673	\$1,012,023	8.07%	\$81,670
322	Crowell	\$238,353	5.90%	\$14,063	\$244,908	5.21%	\$12,760
323	Crowley	\$7,679,140	11.16%	\$856,992	\$7,890,316	11.48%	\$905,808
324	Crystal City	\$1,617,058	2.09%	\$33,797	\$1,645,357	1.89%	\$31,097
326	Cuero	\$5,320,314	9.71%	\$516,602	\$5,466,623	9.16%	\$500,743
328	Cumby	\$390,820	1.89%	\$7,386	\$401,568	2.33%	\$9,357
332	Daingerfield	\$863,410	5.80%	\$50,078	\$887,154	6.60%	\$58,552
334	Daisetta	\$194,029	0.70%	\$1,358	\$197,425	0.62%	\$1,224
336	Dalhart	\$3,069,634	4.23%	\$129,846	\$3,154,049	4.11%	\$129,631
339	Dalworthington Gardens	\$1,871,615	21.22%	\$397,157	\$1,911,855	21.93%	\$419,270
340	Danbury	\$252,886	6.46%	\$16,336	\$259,840	5.62%	\$14,603
341	Darrrouzett	\$105,781	5.18%	\$5,479	\$108,478	4.93%	\$5,348
344	Dayton	\$5,384,380	6.28%	\$338,139	\$5,532,450	6.08%	\$336,373
352	De Leon	\$540,152	4.68%	\$25,279	\$551,765	4.03%	\$22,236
10366	DeSoto	\$27,453,924	11.13%	\$3,055,622	\$28,208,907	10.83%	\$3,055,025
346	Decatur	\$6,789,940	14.04%	\$953,308	\$6,976,663	14.17%	\$988,593
348	Deer Park	\$22,870,800	13.70%	\$3,133,300	\$23,499,747	13.22%	\$3,106,667
350	Dekalb	\$566,093	2.73%	\$15,454	\$581,661	2.40%	\$13,960
354	Del Rio	\$21,264,946	7.10%	\$1,509,811	\$21,849,732	6.98%	\$1,525,111
353	Dell City	\$38,306	17.19%	\$6,585	\$39,321	17.28%	\$6,795
356	Denison	\$13,167,195	11.34%	\$1,493,160	\$13,529,293	10.65%	\$1,440,870
358	Denton	\$106,004,129	17.47%	\$18,518,921	\$108,919,243	17.87%	\$19,463,869
360	Denver City	\$1,604,032	7.58%	\$121,586	\$1,632,103	6.49%	\$105,923
362	Deport	\$124,901	2.23%	\$2,785	\$128,336	2.81%	\$3,606
370	Devine	\$1,961,309	17.33%	\$339,895	\$2,015,245	17.36%	\$349,847
371	Diboll	\$1,687,974	14.76%	\$249,145	\$1,717,514	14.63%	\$251,272
372	Dickens	\$78,953	2.40%	\$1,895	\$81,045	1.98%	\$1,605
373	Dickinson	\$6,376,928	9.61%	\$612,823	\$6,552,294	10.18%	\$667,024
374	Dilley	\$1,665,154	9.13%	\$152,029	\$1,710,946	7.81%	\$133,625
376	Dimmitt	\$970,371	4.31%	\$41,823	\$997,056	4.00%	\$39,882
382	Donna	\$6,775,985	11.03%	\$747,391	\$6,962,325	10.91%	\$759,590
379	Double Oak	\$754,383	7.78%	\$58,691	\$775,129	8.32%	\$64,491
383	Dripping Springs	\$2,277,640	5.80%	\$132,103	\$2,340,275	5.87%	\$137,374
385	Driscoll	\$201,028	1.95%	\$3,920	\$206,556	1.61%	\$3,326
384	Dublin	\$1,398,505	11.53%	\$161,248	\$1,436,964	12.74%	\$183,069
386	Dumas	\$6,599,230	12.99%	\$857,240	\$6,780,709	13.10%	\$888,273
388	Duncanville	\$18,965,960	6.67%	\$1,265,030	\$19,487,524	6.19%	\$1,206,278
394	Eagle Lake	\$1,191,248	9.34%	\$111,263	\$1,220,434	9.46%	\$115,453
396	Eagle Pass	\$20,385,911	8.61%	\$1,755,227	\$20,946,524	8.82%	\$1,847,483
397	Early	\$1,655,036	3.88%	\$64,215	\$1,700,549	3.37%	\$57,309
399	Earth	\$225,928	4.67%	\$10,551	\$231,237	4.19%	\$9,689
393	East Bernard	\$185,789	5.15%	\$9,568	\$190,898	5.17%	\$9,869
401	East Mountain	\$80,144	11.30%	\$9,056	\$81,547	10.64%	\$8,677
395	East Tawakoni	\$426,638	5.85%	\$24,958	\$438,371	5.63%	\$24,680

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
398	Eastland	\$1,985,675	8.97%	\$178,115	\$2,040,281	8.46%	\$172,608
402	Ector	\$170,763	1.59%	\$2,715	\$175,459	1.68%	\$2,948
406	Eden	\$349,886	2.66%	\$9,307	\$356,009	3.19%	\$11,357
408	Edgewood	\$439,284	5.80%	\$25,478	\$451,364	5.81%	\$26,224
410	Edinburg	\$45,561,198	14.46%	\$6,588,149	\$46,814,131	14.53%	\$6,802,093
412	Edna	\$1,694,118	10.62%	\$179,915	\$1,728,847	10.37%	\$179,281
414	El Campo	\$6,689,998	13.73%	\$918,537	\$6,873,973	14.03%	\$964,418
416	Eldorado	\$741,749	7.63%	\$56,595	\$762,147	8.72%	\$66,459
418	Electra	\$1,045,783	1.78%	\$18,615	\$1,068,267	1.46%	\$15,597
420	Elgin	\$5,029,343	13.26%	\$666,891	\$5,167,650	12.40%	\$640,789
422	Elkhart	\$356,062	3.95%	\$14,064	\$364,073	3.40%	\$12,378
427	Elmendorf	\$784,926	1.16%	\$9,105	\$806,511	1.28%	\$10,323
432	Emory	\$1,132,654	6.75%	\$76,454	\$1,163,802	6.72%	\$78,207
436	Ennis	\$12,897,834	16.77%	\$2,162,967	\$13,252,524	17.37%	\$2,301,963
437	Escobares	\$63,440	5.42%	\$3,438	\$65,185	6.32%	\$4,120
439	Eules	\$31,954,319	17.64%	\$5,636,742	\$32,833,063	17.71%	\$5,814,735
440	Eustace	\$426,696	10.71%	\$45,699	\$434,163	9.95%	\$43,199
441	Everman	\$2,487,057	7.77%	\$193,244	\$2,555,451	7.98%	\$203,925
443	Fair Oaks Ranch	\$4,224,231	11.67%	\$492,968	\$4,340,397	11.72%	\$508,695
442	Fairfield	\$1,753,944	7.07%	\$124,004	\$1,786,392	6.84%	\$122,189
445	Fairview	\$6,064,545	11.09%	\$672,558	\$6,231,320	11.13%	\$693,546
20444	Falfurrias	\$1,614,604	2.37%	\$38,266	\$1,659,006	2.21%	\$36,664
446	Falls City	\$189,230	7.33%	\$13,871	\$193,866	7.25%	\$14,055
448	Farmers Branch	\$31,849,255	18.55%	\$5,908,037	\$32,661,411	18.96%	\$6,192,604
450	Farmersville	\$2,448,093	8.53%	\$208,822	\$2,515,416	8.72%	\$219,344
451	Farwell	\$271,830	15.90%	\$43,221	\$279,305	16.64%	\$46,476
452	Fate	\$4,620,499	10.22%	\$472,215	\$4,747,563	10.09%	\$479,029
454	Fayetteville	\$82,539	3.34%	\$2,757	\$84,809	2.17%	\$1,840
456	Ferris	\$2,623,975	5.43%	\$142,482	\$2,696,134	5.57%	\$150,175
458	Flatonia	\$1,037,426	14.47%	\$150,116	\$1,065,955	13.38%	\$142,625
460	Florence	\$526,367	4.36%	\$22,950	\$540,842	4.47%	\$24,176
20462	Floresville	\$3,256,391	8.86%	\$288,516	\$3,345,942	9.33%	\$312,176
463	Flower Mound	\$46,219,245	11.19%	\$5,171,934	\$47,490,274	11.02%	\$5,233,428
464	Floydada	\$1,128,033	10.26%	\$115,736	\$1,155,670	10.08%	\$116,492
465	Follett	\$91,725	9.15%	\$8,393	\$94,247	19.11%	\$18,011
468	Forest Hill	\$5,655,860	13.11%	\$741,483	\$5,811,396	13.11%	\$761,874
470	Forney	\$12,507,696	14.22%	\$1,778,594	\$12,851,658	14.28%	\$1,835,217
472	Fort Stockton	\$6,141,437	9.37%	\$575,453	\$6,310,327	9.46%	\$596,957
476	Franklin	\$583,376	3.26%	\$19,018	\$599,419	3.58%	\$21,459
478	Frankston	\$582,504	1.46%	\$8,505	\$598,523	1.38%	\$8,260
480	Fredericksburg	\$11,793,638	22.28%	\$2,627,623	\$12,117,963	22.12%	\$2,680,493
482	Freeport	\$7,607,726	14.09%	\$1,071,929	\$7,816,938	14.13%	\$1,104,533
481	Freer	\$655,107	7.00%	\$45,857	\$667,882	6.24%	\$41,676
483	Friendswood	\$17,182,404	16.27%	\$2,795,577	\$17,654,920	16.33%	\$2,883,048
484	Friona	\$982,402	8.74%	\$85,862	\$1,005,488	8.92%	\$89,690

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
486	Frisco	\$104,811,758	14.25%	\$14,935,676	\$107,694,081	14.12%	\$15,206,404
487	Fritch	\$863,520	2.78%	\$24,006	\$887,267	4.69%	\$41,613
488	Frost	\$71,352	7.43%	\$5,301	\$72,601	9.72%	\$7,057
491	Fulshear	\$4,621,159	7.17%	\$331,337	\$4,748,241	7.18%	\$340,924
493	Fulton	\$310,370	21.40%	\$66,419	\$318,905	6.11%	\$19,485
492	Gainesville	\$12,869,487	11.71%	\$1,507,017	\$13,197,659	10.65%	\$1,405,551
494	Galena Park	\$4,062,905	10.28%	\$417,667	\$4,174,635	10.25%	\$427,900
498	Ganado	\$471,782	12.28%	\$57,935	\$481,925	11.79%	\$56,819
499	Garden Ridge	\$1,826,490	7.64%	\$139,544	\$1,876,718	7.19%	\$134,936
500	Garland	\$172,457,622	11.33%	\$19,539,449	\$177,200,207	10.83%	\$19,190,782
501	Garrett	\$288,360	5.29%	\$15,254	\$296,290	4.78%	\$14,163
502	Garrison	\$316,024	7.69%	\$24,302	\$324,715	6.36%	\$20,652
503	Gary	\$236,205	5.36%	\$12,661	\$241,756	5.86%	\$14,167
504	Gatesville	\$4,442,319	13.99%	\$621,480	\$4,564,483	14.62%	\$667,327
505	George West	\$1,469,257	5.32%	\$78,164	\$1,509,662	5.23%	\$78,955
506	Georgetown	\$56,043,930	12.48%	\$6,994,282	\$57,585,138	12.21%	\$7,031,145
510	Giddings	\$3,255,559	17.06%	\$555,398	\$3,345,087	17.72%	\$592,749
512	Gilmer	\$2,346,785	12.77%	\$299,684	\$2,411,322	13.21%	\$318,536
514	Gladewater	\$2,674,301	8.10%	\$216,618	\$2,747,844	7.61%	\$209,111
516	Glen Rose	\$936,516	13.86%	\$129,801	\$962,270	14.49%	\$139,433
517	Glenn Heights	\$4,930,495	3.16%	\$155,804	\$5,066,084	3.33%	\$168,701
518	Godley	\$788,076	2.44%	\$19,229	\$809,748	2.12%	\$17,167
519	Goldsmith	\$366,105	1.33%	\$4,869	\$376,173	1.14%	\$4,288
520	Goldthwaite	\$775,775	23.87%	\$185,177	\$791,678	24.83%	\$196,574
522	Goliad	\$853,736	5.71%	\$48,748	\$877,214	5.20%	\$45,615
524	Gonzales	\$5,086,719	9.91%	\$504,094	\$5,226,604	9.37%	\$489,733
527	Gordon	\$211,762	2.34%	\$4,955	\$217,585	2.41%	\$5,244
530	Gorman	\$262,561	8.42%	\$22,108	\$269,781	8.84%	\$23,849
532	Graford	\$144,619	2.65%	\$3,832	\$148,596	2.03%	\$3,016
10534	Graham	\$4,116,418	10.61%	\$436,752	\$4,221,387	10.24%	\$432,270
536	Granbury	\$10,607,526	16.61%	\$1,761,910	\$10,899,233	17.01%	\$1,853,960
540	Grand Prairie	\$108,095,706	17.03%	\$18,408,699	\$111,068,338	17.42%	\$19,348,104
542	Grand Saline	\$1,106,007	8.42%	\$93,126	\$1,128,680	8.80%	\$99,324
544	Grandview	\$966,775	10.51%	\$101,608	\$993,361	11.66%	\$115,826
546	Granger	\$523,885	7.20%	\$37,720	\$536,720	7.31%	\$39,234
547	Granite Shoals	\$2,420,550	4.31%	\$104,326	\$2,487,115	4.30%	\$106,946
548	Grapeland	\$407,746	3.78%	\$15,413	\$414,882	3.40%	\$14,106
550	Grapevine	\$49,481,370	18.54%	\$9,173,846	\$50,842,108	18.98%	\$9,649,832
552	Greenville	\$21,314,188	11.52%	\$2,455,394	\$21,900,328	10.58%	\$2,317,055
551	Gregory	\$590,648	4.43%	\$26,166	\$606,891	4.34%	\$26,339
553	Grey Forest	\$2,942,370	15.95%	\$469,308	\$3,023,285	16.50%	\$498,842
556	Groesbeck	\$1,481,130	2.54%	\$37,621	\$1,507,050	2.28%	\$34,361
558	Groom	\$210,525	3.10%	\$6,526	\$216,314	3.06%	\$6,619
559	Groves	\$7,007,422	9.21%	\$645,384	\$7,186,111	7.64%	\$549,019
560	Groveton	\$173,799	1.89%	\$3,285	\$178,578	1.18%	\$2,107

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
562	Gruver	\$286,705	14.41%	\$41,314	\$294,589	11.35%	\$33,436
563	Gun Barrel City	\$2,187,880	9.90%	\$216,600	\$2,232,732	10.04%	\$224,166
564	Gunter	\$740,102	13.54%	\$100,210	\$760,455	14.58%	\$110,874
568	Hale Center	\$550,333	4.99%	\$27,462	\$565,467	5.23%	\$29,574
570	Hallettsville	\$1,656,369	12.30%	\$203,733	\$1,701,919	12.77%	\$217,335
572	Hallsville	\$941,736	5.70%	\$53,679	\$967,634	6.04%	\$58,445
574	Haltom City	\$18,889,300	18.67%	\$3,526,632	\$19,314,309	19.12%	\$3,692,896
576	Hamilton	\$1,140,620	14.29%	\$162,995	\$1,171,987	14.98%	\$175,564
578	Hamlin	\$693,884	4.32%	\$29,976	\$711,578	4.88%	\$34,725
580	Happy	\$109,653	6.17%	\$6,766	\$111,572	6.15%	\$6,862
581	Harker Heights	\$13,898,013	14.63%	\$2,033,279	\$14,280,208	15.22%	\$2,173,448
10582	Harlingen	\$23,917,228	8.78%	\$2,099,933	\$24,574,952	8.38%	\$2,059,381
20582	Harlingen Waterworks Sys	\$7,080,164	9.35%	\$661,995	\$7,274,869	9.40%	\$683,838
583	Hart	\$149,183	4.01%	\$5,982	\$153,286	4.38%	\$6,714
586	Haskell	\$1,137,509	0.00%	\$0	\$1,167,653	0.00%	\$0
587	Haslet	\$1,779,083	9.58%	\$170,436	\$1,828,008	8.28%	\$151,359
588	Hawkins	\$508,006	6.53%	\$33,173	\$516,896	6.64%	\$34,322
585	Hays	\$48,231	10.73%	\$5,175	\$49,075	10.66%	\$5,231
590	Hearne	\$2,483,441	14.85%	\$368,791	\$2,551,736	14.23%	\$363,112
591	Heath	\$5,066,088	12.32%	\$624,142	\$5,205,405	11.81%	\$614,758
592	Hedley	\$31,188	3.82%	\$1,191	\$31,734	2.59%	\$822
595	Hedwig Village	\$2,314,608	8.40%	\$194,427	\$2,375,945	7.94%	\$188,650
593	Helotes	\$4,069,758	7.24%	\$294,650	\$4,181,676	6.76%	\$282,681
594	Hemphill	\$1,280,706	7.92%	\$101,432	\$1,315,925	7.14%	\$93,957
596	Hempstead	\$3,939,886	7.70%	\$303,371	\$4,048,233	6.94%	\$280,947
598	Henderson	\$7,323,060	16.35%	\$1,197,320	\$7,524,444	16.31%	\$1,227,237
600	Henrietta	\$780,749	15.37%	\$120,001	\$800,658	14.36%	\$114,974
602	Hereford	\$5,802,267	9.41%	\$545,993	\$5,961,829	9.43%	\$562,200
605	Hewitt	\$5,517,147	15.58%	\$859,572	\$5,668,869	16.05%	\$909,853
609	Hickory Creek	\$1,451,934	14.60%	\$211,982	\$1,478,795	15.33%	\$226,699
606	Hico	\$546,311	9.00%	\$49,168	\$561,335	8.78%	\$49,285
607	Hidalgo	\$5,978,279	12.28%	\$734,133	\$6,124,747	11.70%	\$716,595
608	Higgins	\$101,643	3.85%	\$3,913	\$104,438	3.59%	\$3,749
610	Highland Park	\$14,560,036	8.98%	\$1,307,491	\$14,960,437	8.48%	\$1,268,645
611	Highland Village	\$11,370,407	13.81%	\$1,570,253	\$11,683,093	13.75%	\$1,606,425
613	Hill Country Village	\$993,340	4.04%	\$40,131	\$1,020,657	4.31%	\$43,990
612	Hillsboro	\$4,985,672	11.60%	\$578,338	\$5,112,807	12.42%	\$635,011
619	Hilshire Village	\$144,141	7.70%	\$11,099	\$148,105	6.24%	\$9,242
614	Hitchcock	\$2,351,633	6.58%	\$154,737	\$2,416,303	6.21%	\$150,052
615	Holland	\$277,583	4.46%	\$12,380	\$285,217	3.88%	\$11,066
616	Holliday	\$375,965	11.72%	\$44,063	\$384,048	12.11%	\$46,508
617	Hollywood Park	\$2,327,602	8.71%	\$202,734	\$2,391,611	9.15%	\$218,832
618	Hondo	\$5,072,398	7.78%	\$394,633	\$5,211,889	7.41%	\$386,201
620	Honey Grove	\$540,927	6.10%	\$32,997	\$555,802	5.65%	\$31,403
622	Hooks	\$537,687	14.19%	\$76,298	\$552,473	13.60%	\$75,136

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
623	Horizon City	\$3,683,202	5.62%	\$206,996	\$3,784,490	5.56%	\$210,418
626	Howe	\$1,010,886	5.33%	\$53,880	\$1,038,685	5.32%	\$55,258
627	Hubbard	\$470,886	2.81%	\$13,232	\$481,952	2.95%	\$14,218
628	Hudson	\$641,632	4.25%	\$27,269	\$659,277	3.95%	\$26,041
629	Hudson Oaks	\$1,744,492	11.85%	\$206,722	\$1,792,466	12.32%	\$220,832
630	Hughes Springs	\$742,970	7.87%	\$58,472	\$758,944	8.10%	\$61,474
632	Humble	\$17,344,991	13.01%	\$2,256,583	\$17,821,978	13.18%	\$2,348,937
633	Hunters Creek Village	\$551,857	18.00%	\$99,334	\$567,033	19.80%	\$112,273
634	Huntington	\$929,222	15.37%	\$142,821	\$954,776	15.06%	\$143,789
636	Huntsville	\$16,031,211	19.53%	\$3,130,896	\$16,423,976	19.37%	\$3,181,324
637	Hurst	\$26,343,525	12.00%	\$3,161,223	\$27,067,972	11.45%	\$3,099,283
638	Hutchins	\$4,660,876	7.65%	\$356,557	\$4,789,050	7.58%	\$363,010
640	Hutto	\$7,948,948	11.72%	\$931,617	\$8,167,544	12.08%	\$986,639
641	Huxley	\$363,457	3.68%	\$13,375	\$373,452	2.78%	\$10,382
642	Idalou	\$713,380	4.11%	\$29,320	\$732,998	4.20%	\$30,786
643	Ingleside	\$4,763,335	7.53%	\$358,679	\$4,894,327	7.16%	\$350,434
646	Ingram	\$588,401	7.07%	\$41,600	\$604,582	5.97%	\$36,094
647	Iowa Colony	\$1,023,035	6.83%	\$69,873	\$1,051,168	7.17%	\$75,369
644	Iowa Park	\$1,955,616	11.41%	\$223,136	\$2,007,440	9.24%	\$185,487
645	Iraan	\$316,705	18.25%	\$57,799	\$325,414	17.79%	\$57,891
648	Irving	\$122,487,985	14.32%	\$17,540,279	\$125,856,405	9.68%	\$12,182,900
650	Italy	\$863,636	3.03%	\$26,168	\$887,386	3.16%	\$28,041
652	Itasca	\$768,705	9.51%	\$73,104	\$789,844	9.03%	\$71,323
654	Jacinto City	\$3,636,735	15.22%	\$553,511	\$3,736,745	15.82%	\$591,153
656	Jacksboro	\$1,964,610	13.66%	\$268,366	\$2,018,637	13.62%	\$274,938
658	Jacksonville	\$6,737,707	10.48%	\$706,112	\$6,916,256	9.88%	\$683,326
660	Jasper	\$6,623,711	8.45%	\$559,704	\$6,805,863	7.80%	\$530,857
664	Jefferson	\$706,843	0.63%	\$4,453	\$720,626	0.18%	\$1,297
665	Jersey Village	\$6,825,722	13.87%	\$946,728	\$7,013,429	13.97%	\$979,776
666	Jewett	\$267,801	12.92%	\$34,600	\$272,488	14.49%	\$39,484
668	Joaquin	\$244,543	5.33%	\$13,034	\$251,268	5.19%	\$13,041
670	Johnson City	\$795,268	8.67%	\$68,950	\$817,138	8.64%	\$70,601
673	Jones Creek	\$395,277	5.27%	\$20,831	\$406,147	5.06%	\$20,551
675	Jonestown	\$1,571,743	7.58%	\$119,138	\$1,614,966	7.58%	\$122,414
677	Josephine	\$877,720	8.57%	\$75,221	\$901,857	8.48%	\$76,477
671	Joshua	\$2,137,721	5.97%	\$127,622	\$2,196,508	5.60%	\$123,004
672	Jourdanton	\$1,400,674	5.51%	\$77,177	\$1,439,193	5.40%	\$77,716
674	Junction	\$1,127,906	11.89%	\$134,108	\$1,158,923	10.32%	\$119,601
676	Justin	\$2,813,650	7.26%	\$204,271	\$2,891,025	7.26%	\$209,888
678	Karnes City	\$1,284,172	8.57%	\$110,054	\$1,319,487	8.43%	\$111,233
680	Katy	\$18,120,678	13.51%	\$2,448,104	\$18,618,997	13.55%	\$2,522,874
682	Kaufman	\$4,080,652	14.01%	\$571,699	\$4,188,789	13.17%	\$551,664
683	Keene	\$2,647,150	11.96%	\$316,599	\$2,719,947	12.42%	\$337,817
681	Keller	\$20,237,875	16.04%	\$3,246,155	\$20,713,465	15.91%	\$3,295,512
685	Kemah	\$2,330,788	6.02%	\$140,313	\$2,390,223	5.97%	\$142,696

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
684	Kemp	\$761,178	10.00%	\$76,118	\$782,110	9.83%	\$76,881
689	Kempner	\$157,820	1.76%	\$2,778	\$162,160	1.16%	\$1,881
686	Kenedy	\$2,810,325	9.08%	\$255,178	\$2,887,609	9.72%	\$280,676
688	Kennedale	\$4,563,715	14.01%	\$639,376	\$4,689,217	14.37%	\$673,840
690	Kerens	\$454,325	13.00%	\$59,062	\$466,819	12.65%	\$59,053
692	Kermit	\$3,109,126	16.11%	\$500,880	\$3,194,627	14.69%	\$469,291
10694	Kerrville	\$19,729,546	10.39%	\$2,049,900	\$20,272,109	10.13%	\$2,053,565
20694	Kerrville PUB	\$4,393,665	11.61%	\$510,105	\$4,510,097	12.29%	\$554,291
10696	Kilgore	\$8,164,064	13.75%	\$1,122,559	\$8,388,576	14.33%	\$1,202,083
698	Killeen	\$51,051,083	14.77%	\$7,540,245	\$52,454,988	14.37%	\$7,537,782
700	Kingsville	\$12,769,846	8.04%	\$1,026,696	\$13,121,017	8.17%	\$1,071,987
701	Kirby	\$2,359,314	13.86%	\$327,001	\$2,424,195	14.35%	\$347,872
702	Kirbyville	\$981,032	5.56%	\$54,545	\$1,007,029	5.34%	\$53,775
704	Knox City	\$349,721	2.58%	\$9,023	\$359,338	2.30%	\$8,265
706	Kosse	\$200,185	1.47%	\$2,943	\$205,690	1.47%	\$3,024
708	Kountze	\$1,109,315	6.13%	\$68,001	\$1,139,821	6.46%	\$73,632
709	Kress	\$34,546	0.00%	\$0	\$35,151	0.00%	\$0
699	Krugerville	\$720,021	8.00%	\$57,602	\$739,822	7.45%	\$55,117
707	Krum	\$3,078,020	6.18%	\$190,222	\$3,162,666	6.28%	\$198,615
710	Kyle	\$15,357,752	12.74%	\$1,956,578	\$15,780,090	12.97%	\$2,046,678
725	La Coste	\$349,408	1.84%	\$6,429	\$359,017	1.55%	\$5,565
714	La Feria	\$2,367,381	14.56%	\$344,691	\$2,432,484	15.08%	\$366,819
716	La Grange	\$3,108,846	14.00%	\$435,238	\$3,194,339	14.01%	\$447,527
723	La Grulla	\$382,837	4.68%	\$17,917	\$393,365	4.70%	\$18,488
732	La Joya	\$1,708,413	5.85%	\$99,942	\$1,755,394	5.16%	\$90,578
721	La Marque	\$8,855,985	14.14%	\$1,252,236	\$9,072,957	13.95%	\$1,265,678
728	La Porte	\$27,096,472	15.57%	\$4,218,921	\$27,841,625	15.87%	\$4,418,466
731	La Vernia	\$1,069,530	5.40%	\$57,755	\$1,098,942	5.17%	\$56,815
711	Lacy-Lakeview	\$2,371,069	13.47%	\$319,383	\$2,436,273	13.09%	\$318,908
712	Ladonia	\$94,856	4.82%	\$4,572	\$97,275	3.17%	\$3,084
713	Lago Vista	\$5,382,999	7.94%	\$427,410	\$5,531,031	7.88%	\$435,845
705	Laguna Vista	\$852,626	4.07%	\$34,702	\$876,073	4.05%	\$35,481
717	Lake Dallas	\$2,178,210	12.96%	\$282,296	\$2,238,111	13.17%	\$294,759
718	Lake Jackson	\$13,117,252	11.07%	\$1,452,080	\$13,477,976	11.18%	\$1,506,838
719	Lake Worth	\$6,411,784	17.02%	\$1,091,286	\$6,588,108	16.63%	\$1,095,602
727	Lakeport	\$207,834	0.32%	\$665	\$213,549	0.09%	\$192
715	Lakeside	\$986,249	10.98%	\$108,290	\$1,013,371	10.74%	\$108,836
729	Lakeside City	\$211,774	5.29%	\$11,203	\$217,598	5.20%	\$11,315
720	Lakeway	\$8,105,515	13.51%	\$1,095,055	\$8,328,417	13.75%	\$1,145,157
722	Lamesa	\$4,107,121	4.11%	\$168,803	\$4,220,067	3.83%	\$161,629
724	Lampasas	\$6,067,970	15.75%	\$955,705	\$6,234,839	15.67%	\$976,999
726	Lancaster	\$18,995,018	13.24%	\$2,514,940	\$19,479,391	13.67%	\$2,662,833
730	Laredo	\$130,231,482	20.52%	\$26,723,500	\$133,812,848	20.82%	\$27,859,835
733	Lavon	\$1,220,738	17.68%	\$215,826	\$1,254,308	18.43%	\$231,169
736	League City	\$39,906,731	14.38%	\$5,738,588	\$41,004,166	14.48%	\$5,937,403

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
737	Leander	\$25,426,904	12.18%	\$3,096,997	\$26,126,144	12.01%	\$3,137,750
735	Lefors	\$149,648	3.34%	\$4,998	\$153,763	2.44%	\$3,752
739	Leon Valley	\$7,326,311	17.63%	\$1,291,629	\$7,527,785	18.54%	\$1,395,651
738	Leonard	\$669,872	2.76%	\$18,488	\$688,293	2.17%	\$14,936
740	Levelland	\$5,458,174	9.04%	\$493,419	\$5,608,274	8.97%	\$503,062
742	Lewisville	\$61,869,742	16.35%	\$10,115,703	\$63,571,160	16.77%	\$10,660,884
744	Lexington	\$506,631	7.98%	\$40,429	\$520,563	8.08%	\$42,061
746	Liberty	\$5,559,851	15.48%	\$860,665	\$5,668,268	14.54%	\$824,166
745	Liberty Hill	\$3,679,315	6.72%	\$247,250	\$3,780,496	6.23%	\$235,525
748	Lindale	\$2,996,993	14.76%	\$442,356	\$3,079,410	15.06%	\$463,759
750	Linden	\$662,814	0.80%	\$5,303	\$681,041	0.71%	\$4,835
749	Lindsay	\$195,957	5.01%	\$9,817	\$201,346	4.88%	\$9,826
755	Lipan	\$201,848	2.00%	\$4,037	\$207,399	1.33%	\$2,758
751	Little Elm	\$22,316,744	13.76%	\$3,070,784	\$22,930,454	13.28%	\$3,045,164
752	Littlefield	\$2,612,632	7.02%	\$183,407	\$2,684,479	6.48%	\$173,954
753	Live Oak	\$7,832,171	17.67%	\$1,383,945	\$8,047,556	17.94%	\$1,443,732
757	Liverpool	\$245,978	1.85%	\$4,551	\$252,742	1.76%	\$4,448
754	Livingston	\$4,940,269	15.25%	\$753,391	\$5,076,126	14.97%	\$759,896
756	Llano	\$2,525,093	13.07%	\$330,030	\$2,592,008	12.41%	\$321,668
758	Lockhart	\$7,659,249	12.33%	\$944,385	\$7,869,878	12.63%	\$993,966
760	Lockney	\$302,274	0.00%	\$0	\$309,377	0.00%	\$0
764	Lone Oak	\$406,710	4.91%	\$19,969	\$417,895	5.27%	\$22,023
765	Lone Star	\$474,895	2.24%	\$10,638	\$487,955	2.24%	\$10,930
766	Longview	\$35,989,078	12.68%	\$4,563,415	\$36,978,778	12.09%	\$4,470,734
768	Lorraine	\$101,995	3.43%	\$3,498	\$103,882	2.23%	\$2,317
769	Lorena	\$732,696	10.50%	\$76,933	\$752,845	10.14%	\$76,338
770	Lorenzo	\$229,712	1.48%	\$3,400	\$236,029	1.30%	\$3,068
771	Los Fresnos	\$2,343,143	7.17%	\$168,003	\$2,407,579	6.66%	\$160,345
773	Lott	\$380,896	1.61%	\$6,132	\$390,228	1.84%	\$7,180
774	Lovelady	\$133,080	7.77%	\$10,340	\$136,740	7.58%	\$10,365
778	Lubbock	\$114,567,882	16.66%	\$19,087,009	\$117,718,499	17.01%	\$20,023,917
779	Lucas	\$2,816,639	12.47%	\$351,235	\$2,894,097	12.03%	\$348,160
782	Lufkin	\$16,694,016	16.27%	\$2,716,116	\$17,153,101	16.00%	\$2,744,496
784	Luling	\$4,163,293	6.09%	\$253,545	\$4,277,784	5.98%	\$255,811
785	Lumberton	\$2,658,656	15.51%	\$412,358	\$2,731,769	15.33%	\$418,780
786	Lyford	\$465,086	2.70%	\$12,557	\$477,876	1.39%	\$6,642
787	Lytle	\$1,399,895	10.47%	\$146,569	\$1,438,392	9.51%	\$136,791
790	Madisonville	\$1,738,813	8.53%	\$148,321	\$1,786,630	7.50%	\$133,997
791	Magnolia	\$1,779,997	4.62%	\$82,236	\$1,828,947	4.56%	\$83,400
792	Malakoff	\$1,423,959	6.81%	\$96,972	\$1,463,118	5.45%	\$79,740
796	Manor	\$4,818,011	8.23%	\$396,522	\$4,950,506	8.16%	\$403,961
798	Mansfield	\$40,637,240	15.88%	\$6,453,194	\$41,754,764	16.78%	\$7,006,449
799	Manvel	\$4,193,217	10.94%	\$458,738	\$4,308,530	9.80%	\$422,236
800	Marble Falls	\$8,016,773	14.09%	\$1,129,563	\$8,205,167	14.08%	\$1,155,288
802	Marfa	\$1,924,797	3.11%	\$59,861	\$1,977,729	2.87%	\$56,761

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
804	Marion	\$472,555	4.28%	\$20,225	\$485,550	4.23%	\$20,539
806	Marlin	\$2,352,749	7.39%	\$173,868	\$2,417,450	7.42%	\$179,375
808	Marquez	\$103,670	18.45%	\$19,127	\$106,521	19.70%	\$20,985
810	Marshall	\$8,991,624	15.76%	\$1,417,080	\$9,184,944	15.65%	\$1,437,444
812	Mart	\$651,663	3.19%	\$20,788	\$669,584	2.39%	\$16,003
813	Martindale	\$133,747	8.19%	\$10,954	\$137,425	5.68%	\$7,806
814	Mason	\$1,363,123	5.72%	\$77,971	\$1,400,609	6.23%	\$87,258
816	Matador	\$122,998	6.58%	\$8,093	\$125,642	2.28%	\$2,865
818	Mathis	\$2,188,252	4.28%	\$93,657	\$2,248,429	3.75%	\$84,316
820	Maud	\$216,021	4.36%	\$9,419	\$221,962	4.60%	\$10,210
822	Maypearl	\$293,904	0.68%	\$1,999	\$301,692	0.71%	\$2,142
824	McAllen	\$80,719,581	8.13%	\$6,562,502	\$82,939,369	7.82%	\$6,485,859
826	McCamey	\$687,036	2.42%	\$16,626	\$705,929	2.26%	\$15,954
828	McGregor	\$2,731,422	12.77%	\$348,803	\$2,806,536	12.54%	\$351,940
830	McKinney	\$98,149,015	15.02%	\$14,741,982	\$100,848,113	15.09%	\$15,217,980
832	McLean	\$284,829	2.41%	\$6,864	\$292,662	2.00%	\$5,853
833	McLendon-Chisholm	\$704,589	7.31%	\$51,505	\$723,965	7.33%	\$53,067
834	Meadow	\$190,712	4.18%	\$7,972	\$195,957	4.27%	\$8,367
831	Meadowlakes	\$956,855	2.49%	\$23,826	\$983,169	2.21%	\$21,728
835	Meadows Place	\$2,129,819	11.03%	\$234,919	\$2,188,389	10.57%	\$231,313
837	Melissa	\$4,195,583	17.54%	\$735,905	\$4,310,962	16.50%	\$711,309
1501	Memorial Villages PD	\$3,755,426	11.12%	\$417,603	\$3,858,700	10.53%	\$406,321
840	Memphis	\$645,620	10.34%	\$66,757	\$663,375	10.31%	\$68,394
842	Menard	\$331,101	0.00%	\$0	\$338,551	0.00%	\$0
844	Mercedes	\$5,639,089	15.57%	\$878,006	\$5,794,164	15.66%	\$907,366
846	Meridian	\$506,243	3.34%	\$16,909	\$520,165	3.25%	\$16,905
848	Merkel	\$581,487	12.54%	\$72,918	\$597,478	12.82%	\$76,597
852	Mertzson	\$214,012	10.77%	\$23,049	\$219,897	10.57%	\$23,243
854	Mesquite	\$85,066,883	17.96%	\$15,278,012	\$87,406,222	17.42%	\$15,226,164
856	Mexia	\$3,759,868	11.37%	\$427,497	\$3,859,505	11.05%	\$426,475
858	Miami	\$107,994	10.21%	\$11,026	\$110,964	9.52%	\$10,564
860	Midland	\$58,416,819	14.24%	\$8,318,555	\$60,023,282	14.41%	\$8,649,355
862	Midlothian	\$19,651,227	14.89%	\$2,926,068	\$20,191,636	15.10%	\$3,048,937
863	Milano	\$33,829	12.17%	\$4,117	\$34,759	7.77%	\$2,701
864	Miles	\$210,897	0.00%	\$0	\$216,697	0.47%	\$1,018
865	Milford	\$273,239	8.65%	\$23,635	\$278,021	4.52%	\$12,567
868	Mineola	\$2,377,011	10.73%	\$255,053	\$2,442,379	10.10%	\$246,680
870	Mineral Wells	\$9,828,647	8.15%	\$801,035	\$10,098,935	7.95%	\$802,865
874	Mission	\$35,879,216	8.75%	\$3,139,431	\$36,865,894	8.53%	\$3,144,661
875	Missouri City	\$26,593,802	9.43%	\$2,507,796	\$27,325,132	8.99%	\$2,456,529
876	Monahans	\$4,500,885	6.83%	\$307,410	\$4,624,659	6.68%	\$308,927
887	Mont Belvieu	\$12,385,738	13.75%	\$1,703,039	\$12,726,346	13.54%	\$1,723,147
877	Montgomery	\$1,968,122	9.59%	\$188,743	\$2,022,245	10.04%	\$203,033
878	Moody	\$527,008	2.20%	\$11,594	\$541,501	2.04%	\$11,047
883	Morgan's Point	\$994,768	10.16%	\$101,068	\$1,012,176	10.07%	\$101,926

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
882	Morgan's Point Resort	\$1,454,675	11.83%	\$172,088	\$1,494,679	12.05%	\$180,109
884	Morton	\$346,444	3.15%	\$10,913	\$355,625	2.74%	\$9,744
886	Moulton	\$484,963	4.17%	\$20,223	\$496,845	4.12%	\$20,470
890	Mount Enterprise	\$105,471	3.23%	\$3,407	\$107,528	3.21%	\$3,452
892	Mt. Pleasant	\$9,889,686	14.76%	\$1,459,718	\$10,161,652	15.21%	\$1,545,587
894	Mt. Vernon	\$1,003,233	10.20%	\$102,330	\$1,030,822	8.87%	\$91,434
896	Muenster	\$599,220	1.85%	\$11,086	\$615,699	1.90%	\$11,698
898	Muleshoe	\$1,570,422	19.16%	\$300,893	\$1,612,038	20.80%	\$335,304
901	Munday	\$277,640	3.46%	\$9,606	\$285,275	3.77%	\$10,755
903	Murphy	\$8,413,758	14.23%	\$1,197,278	\$8,645,136	13.98%	\$1,208,590
10904	Nacogdoches	\$18,102,384	14.47%	\$2,619,415	\$18,600,200	14.30%	\$2,659,829
906	Naples	\$301,502	1.47%	\$4,432	\$309,793	0.94%	\$2,912
907	Nash	\$1,139,834	18.58%	\$211,781	\$1,171,179	19.14%	\$224,164
905	Nassau Bay	\$3,141,316	10.81%	\$339,576	\$3,218,278	10.16%	\$326,977
909	Natalia	\$468,626	2.26%	\$10,591	\$481,513	2.11%	\$10,160
908	Navasota	\$3,983,876	6.55%	\$260,944	\$4,077,497	5.94%	\$242,203
910	Nederland	\$9,736,740	7.52%	\$732,203	\$10,004,500	7.17%	\$717,323
912	Needville	\$1,079,727	3.58%	\$38,654	\$1,109,419	3.59%	\$39,828
914	New Boston	\$1,644,848	1.44%	\$23,686	\$1,690,081	1.13%	\$19,098
10916	New Braunfels	\$47,561,479	17.05%	\$8,109,232	\$48,869,420	17.17%	\$8,390,879
20916	New Braunfels Utilities	\$25,127,824	17.61%	\$4,425,010	\$25,818,839	18.10%	\$4,673,210
915	New Deal	\$219,556	0.56%	\$1,230	\$224,496	0.36%	\$808
923	New Fairview	\$231,197	11.92%	\$27,559	\$237,555	6.12%	\$14,538
918	New London	\$277,972	3.34%	\$9,284	\$284,226	2.91%	\$8,271
919	New Summerfield	\$474,719	7.68%	\$36,458	\$486,824	7.77%	\$37,826
917	New Waverly	\$283,007	14.85%	\$42,027	\$289,375	14.72%	\$42,596
913	Newark	\$280,393	1.21%	\$3,393	\$288,104	1.18%	\$3,400
920	Newton	\$1,362,669	19.72%	\$268,718	\$1,400,142	19.03%	\$266,447
922	Nixon	\$927,159	0.78%	\$7,232	\$952,656	0.57%	\$5,430
924	Nocona	\$876,620	10.40%	\$91,168	\$891,961	10.44%	\$93,121
925	Nolanville	\$928,922	5.01%	\$46,539	\$954,467	4.92%	\$46,960
928	Normangee	\$302,243	4.11%	\$12,422	\$310,555	3.94%	\$12,236
931	North Richland Hills	\$39,509,580	16.81%	\$6,641,560	\$40,596,093	17.19%	\$6,978,468
930	Northlake	\$3,687,855	9.85%	\$363,254	\$3,789,271	9.51%	\$360,360
935	O'Donnell	\$145,910	4.18%	\$6,099	\$148,463	4.47%	\$6,636
936	Oak Point	\$2,347,817	7.06%	\$165,756	\$2,412,382	6.88%	\$165,972
937	Oak Ridge North	\$2,656,166	11.81%	\$313,693	\$2,729,211	11.68%	\$318,772
942	Odem	\$796,067	8.07%	\$64,243	\$817,959	6.42%	\$52,513
944	Odessa	\$46,641,368	13.70%	\$6,389,867	\$47,924,006	13.66%	\$6,546,419
945	Oglesby	\$61,134	1.74%	\$1,064	\$62,815	1.89%	\$1,187
949	Old River-Winfree	\$38,810	0.00%	\$0	\$39,489	0.00%	\$0
950	Olmos Park	\$2,107,267	2.75%	\$57,950	\$2,165,217	2.36%	\$51,099
951	Olney	\$975,022	6.68%	\$65,131	\$992,085	6.17%	\$61,212
953	Omaha	\$230,264	5.20%	\$11,974	\$236,596	5.17%	\$12,232
954	Onalaska	\$658,428	2.20%	\$14,485	\$676,535	2.22%	\$15,019

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
958	Orange	\$10,319,953	14.40%	\$1,486,073	\$10,603,752	14.88%	\$1,577,838
960	Orange Grove	\$377,917	8.06%	\$30,460	\$387,176	7.28%	\$28,186
957	Orchard	\$67,416	12.70%	\$8,562	\$69,270	8.80%	\$6,096
959	Ore City	\$383,813	1.40%	\$5,373	\$394,368	1.14%	\$4,496
962	Overton	\$746,258	3.77%	\$28,134	\$766,780	3.98%	\$30,518
961	Ovilla	\$1,728,887	10.20%	\$176,346	\$1,776,431	10.55%	\$187,413
963	Oyster Creek	\$1,188,153	10.62%	\$126,182	\$1,220,827	9.81%	\$119,763
964	Paducah	\$263,349	0.00%	\$0	\$267,958	0.00%	\$0
966	Palacios	\$1,743,929	16.45%	\$286,876	\$1,791,887	16.69%	\$299,066
968	Palestine	\$9,389,302	13.67%	\$1,283,518	\$9,647,508	13.75%	\$1,326,532
970	Palmer	\$1,252,873	11.36%	\$142,326	\$1,287,327	10.88%	\$140,061
969	Palmhurst	\$1,331,685	5.44%	\$72,444	\$1,368,306	5.30%	\$72,520
971	Palmview	\$3,579,619	1.71%	\$61,211	\$3,678,059	1.66%	\$61,056
972	Pampa	\$8,577,388	20.67%	\$1,772,946	\$8,813,266	19.67%	\$1,733,569
974	Panhandle	\$881,434	10.88%	\$95,900	\$904,792	10.56%	\$95,546
973	Panorama Village	\$823,923	5.06%	\$41,691	\$846,581	3.81%	\$32,255
975	Pantego	\$2,916,036	15.70%	\$457,818	\$2,996,227	15.01%	\$449,734
976	Paris	\$12,471,818	7.35%	\$916,679	\$12,777,378	4.59%	\$586,482
977	Parker	\$1,796,670	13.65%	\$245,245	\$1,846,078	13.38%	\$247,005
978	Pasadena	\$74,207,195	13.69%	\$10,158,965	\$76,247,893	12.81%	\$9,767,355
983	Pearland	\$58,688,986	12.94%	\$7,594,355	\$60,302,933	13.05%	\$7,869,533
984	Pearsall	\$2,965,007	3.86%	\$114,449	\$3,046,545	3.48%	\$106,020
988	Pecos City	\$8,261,200	6.48%	\$535,326	\$8,488,383	6.14%	\$521,187
989	Pelican Bay	\$637,414	4.19%	\$26,708	\$654,943	3.35%	\$21,941
991	Penitas	\$1,728,081	3.94%	\$68,086	\$1,775,603	3.86%	\$68,538
994	Perryton	\$4,019,969	10.07%	\$404,811	\$4,130,518	9.79%	\$404,378
1000	Pflugerville	\$23,212,421	13.52%	\$3,138,319	\$23,850,763	13.87%	\$3,308,101
1002	Pharr	\$38,218,632	12.50%	\$4,777,329	\$39,269,644	12.10%	\$4,751,627
1004	Pilot Point	\$3,310,038	11.21%	\$371,055	\$3,401,064	10.50%	\$357,112
1005	Pinehurst	\$1,232,278	17.56%	\$216,388	\$1,264,933	17.41%	\$220,225
1003	Pineland	\$369,364	3.40%	\$12,558	\$379,522	3.22%	\$12,221
1001	Piney Point Village	\$561,626	6.34%	\$35,607	\$577,071	5.44%	\$31,393
1006	Pittsburg	\$1,718,729	10.90%	\$187,341	\$1,765,994	10.22%	\$180,485
1007	Plains	\$437,536	4.32%	\$18,902	\$449,568	3.97%	\$17,848
1008	Plainview	\$6,546,363	11.52%	\$754,141	\$6,706,749	11.18%	\$749,815
1010	Plano	\$184,585,661	16.35%	\$30,179,756	\$189,661,767	16.60%	\$31,483,853
1012	Pleasanton	\$6,264,258	15.01%	\$940,265	\$6,436,525	15.01%	\$966,122
1013	Point	\$271,816	13.53%	\$36,777	\$279,291	9.40%	\$26,253
1017	Ponder	\$920,333	5.82%	\$53,563	\$945,642	5.74%	\$54,280
1014	Port Aransas	\$7,040,180	10.92%	\$768,788	\$7,233,785	10.94%	\$791,376
11016	Port Arthur	\$41,893,646	13.65%	\$5,718,483	\$43,045,721	13.86%	\$5,966,137
1018	Port Isabel	\$2,366,762	7.75%	\$183,424	\$2,431,848	9.37%	\$227,864
1020	Port Lavaca	\$4,399,084	5.73%	\$252,068	\$4,520,059	5.45%	\$246,343
1022	Port Neches	\$7,879,238	14.76%	\$1,162,976	\$8,095,917	14.42%	\$1,167,431
1019	Portland	\$9,301,387	17.09%	\$1,589,607	\$9,557,175	17.63%	\$1,684,930

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
1024	Post	\$984,559	16.55%	\$162,945	\$1,011,634	17.50%	\$177,036
1026	Poteet	\$957,618	2.86%	\$27,388	\$983,952	2.36%	\$23,221
1028	Poth	\$475,886	4.59%	\$21,843	\$488,973	4.34%	\$21,221
1030	Pottsboro	\$1,051,209	6.58%	\$69,170	\$1,080,117	6.30%	\$68,047
1031	Prairie View	\$1,031,629	2.58%	\$26,616	\$1,059,999	2.69%	\$28,514
1032	Premont	\$531,689	0.00%	\$0	\$545,247	0.00%	\$0
1029	Presidio	\$1,784,269	0.72%	\$12,847	\$1,833,336	0.57%	\$10,450
1033	Primera	\$738,415	0.85%	\$6,277	\$758,721	0.84%	\$6,373
1034	Princeton	\$6,540,365	11.85%	\$775,033	\$6,720,225	11.79%	\$792,315
1036	Prosper	\$21,128,043	14.25%	\$3,010,746	\$21,709,064	14.12%	\$3,065,320
1037	Providence Village	\$572,522	6.89%	\$39,447	\$588,266	6.39%	\$37,590
1042	Quanah	\$578,062	3.45%	\$19,943	\$588,178	3.13%	\$18,410
1045	Queen City	\$576,039	1.71%	\$9,850	\$591,880	1.49%	\$8,819
1044	Quinlan	\$877,451	10.31%	\$90,465	\$901,581	10.12%	\$91,240
1047	Quintana	\$496,754	8.70%	\$43,218	\$510,415	8.49%	\$43,334
1046	Quitaque	\$146,628	4.02%	\$5,894	\$150,660	3.42%	\$5,153
1048	Quitman	\$1,136,567	5.65%	\$64,216	\$1,167,823	5.26%	\$61,427
1050	Ralls	\$287,761	4.77%	\$13,726	\$295,674	5.12%	\$15,139
1051	Rancho Viejo	\$647,698	5.70%	\$36,919	\$665,510	5.50%	\$36,603
1052	Ranger	\$1,024,702	7.99%	\$81,874	\$1,049,807	6.88%	\$72,227
1054	Rankin	\$219,264	7.67%	\$16,818	\$225,294	7.38%	\$16,627
1055	Ransom Canyon	\$647,537	14.29%	\$92,533	\$665,344	13.67%	\$90,953
1058	Raymondville	\$2,500,875	1.78%	\$44,516	\$2,569,649	1.69%	\$43,427
1061	Red Oak	\$8,131,802	6.57%	\$534,259	\$8,355,427	6.43%	\$537,254
1062	Redwater	\$325,441	2.73%	\$8,885	\$334,391	2.65%	\$8,861
1064	Refugio	\$1,330,412	0.00%	\$0	\$1,366,998	0.00%	\$0
1065	Reklaw	\$246,530	15.56%	\$38,360	\$252,817	15.26%	\$38,580
1066	Reno (Lamar County)	\$741,964	5.10%	\$37,840	\$762,368	4.98%	\$37,966
1069	Reno (Parker County)	\$853,077	3.65%	\$31,137	\$876,537	3.23%	\$28,312
1067	Rhome	\$998,632	6.71%	\$67,008	\$1,026,094	6.92%	\$71,006
1068	Rice	\$467,415	1.37%	\$6,404	\$480,269	1.21%	\$5,811
1070	Richardson	\$78,289,774	14.07%	\$11,015,371	\$80,442,743	14.33%	\$11,527,445
1073	Richland Hills	\$4,898,809	16.01%	\$784,299	\$5,033,526	16.02%	\$806,371
1074	Richland Springs	\$24,000	0.00%	\$0	\$24,420	0.00%	\$0
1076	Richmond	\$10,144,765	14.71%	\$1,492,295	\$10,423,746	14.94%	\$1,557,308
1077	Richwood	\$1,367,469	11.25%	\$153,840	\$1,405,074	11.51%	\$161,724
1072	Riesel	\$368,296	5.86%	\$21,582	\$378,424	5.86%	\$22,176
1075	Rio Grande City	\$5,965,613	6.92%	\$412,820	\$6,129,667	6.91%	\$423,560
1079	Rio Vista	\$319,939	3.73%	\$11,934	\$325,538	3.30%	\$10,743
1080	Rising Star	\$281,128	0.00%	\$0	\$288,859	0.39%	\$1,127
1082	River Oaks	\$3,449,350	13.94%	\$480,839	\$3,537,308	13.25%	\$468,693
1084	Roanoke	\$12,046,969	17.18%	\$2,069,669	\$12,378,261	17.17%	\$2,125,347
1088	Robert Lee	\$178,830	4.13%	\$7,386	\$182,675	3.82%	\$6,978
1089	Robinson	\$3,941,016	13.65%	\$537,949	\$4,049,394	14.08%	\$570,155
21090	Robstown	\$4,922,046	4.79%	\$235,766	\$5,057,402	4.91%	\$248,318

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
11090	Robstown Utility Systems	\$2,685,710	17.96%	\$482,354	\$2,748,824	18.07%	\$496,712
1092	Roby	\$87,167	5.68%	\$4,951	\$88,692	5.01%	\$4,443
1096	Rockdale	\$2,175,014	7.82%	\$170,086	\$2,234,827	8.41%	\$187,949
1098	Rockport	\$7,260,184	16.71%	\$1,213,177	\$7,459,839	17.41%	\$1,298,758
1100	Rocksprings	\$345,627	1.52%	\$5,254	\$353,749	1.67%	\$5,908
1102	Rockwall	\$24,155,243	15.06%	\$3,637,780	\$24,819,512	15.02%	\$3,727,891
1104	Rogers	\$405,852	9.71%	\$39,408	\$412,954	8.10%	\$33,449
1105	Rollingwood	\$1,355,568	11.71%	\$158,737	\$1,392,846	11.91%	\$165,888
1106	Roma	\$4,483,700	9.54%	\$427,745	\$4,607,002	8.79%	\$404,955
1109	Roscoe	\$378,441	1.83%	\$6,925	\$388,848	1.54%	\$5,988
1112	Rosebud	\$424,118	1.83%	\$7,761	\$435,781	1.80%	\$7,844
1114	Rosenberg	\$18,596,155	15.87%	\$2,951,210	\$19,107,549	16.05%	\$3,066,762
1116	Rotan	\$295,852	0.00%	\$0	\$303,100	0.00%	\$0
1118	Round Rock	\$75,547,695	15.94%	\$12,042,303	\$77,625,257	16.20%	\$12,575,292
1119	Rowlett	\$31,274,524	13.11%	\$4,100,090	\$32,134,573	13.09%	\$4,206,416
1120	Royse City	\$5,582,587	15.79%	\$881,490	\$5,736,108	15.60%	\$894,833
1122	Rule	\$98,752	0.20%	\$198	\$100,480	1.68%	\$1,688
1123	Runaway Bay	\$797,676	2.26%	\$18,027	\$819,612	1.72%	\$14,097
1124	Runge	\$172,032	12.09%	\$20,799	\$176,763	11.58%	\$20,469
1126	Rusk	\$1,729,502	6.39%	\$110,515	\$1,777,063	6.02%	\$106,979
1128	Sabinal	\$452,525	2.11%	\$9,548	\$461,802	1.92%	\$8,867
1129	Sachse	\$11,010,133	14.43%	\$1,588,762	\$11,312,912	14.25%	\$1,612,090
1131	Saginaw	\$10,087,846	21.12%	\$2,130,553	\$10,365,262	21.25%	\$2,202,618
1130	Saint Jo	\$275,587	4.50%	\$12,401	\$280,410	5.16%	\$14,469
1133	Salado	\$623,670	6.04%	\$37,670	\$640,821	5.85%	\$37,488
1132	San Angelo	\$39,191,870	17.01%	\$6,666,537	\$40,230,455	16.91%	\$6,802,970
21136	San Antonio	\$418,073,426	12.40%	\$51,841,105	\$429,570,445	11.84%	\$50,861,141
11136	San Antonio Water System	\$124,509,478	3.64%	\$4,532,145	\$127,933,489	3.61%	\$4,618,399
1138	San Augustine	\$1,285,608	9.07%	\$116,605	\$1,314,534	8.60%	\$113,050
1140	San Benito	\$6,423,868	4.72%	\$303,207	\$6,594,101	4.63%	\$305,307
1144	San Felipe	\$207,461	3.78%	\$7,842	\$211,921	3.62%	\$7,672
1148	San Juan	\$10,561,646	4.30%	\$454,151	\$10,852,091	4.24%	\$460,129
1150	San Marcos	\$51,607,319	18.25%	\$9,418,336	\$53,026,520	18.35%	\$9,730,366
1152	San Saba	\$2,136,183	8.26%	\$176,449	\$2,194,928	8.79%	\$192,934
1146	Sanger	\$4,730,383	8.50%	\$402,083	\$4,860,469	8.61%	\$418,486
1153	Sansom Park	\$1,971,833	6.66%	\$131,324	\$2,026,058	6.72%	\$136,151
1155	Santa Fe	\$3,595,911	17.82%	\$640,791	\$3,694,799	18.38%	\$679,104
1158	Savoy	\$140,054	1.36%	\$1,905	\$142,505	1.36%	\$1,938
1159	Schertz	\$23,139,914	16.22%	\$3,753,294	\$23,776,262	16.18%	\$3,846,999
1160	Schulenburg	\$2,089,695	18.62%	\$389,101	\$2,147,162	17.93%	\$384,986
1161	Seabrook	\$8,026,810	15.62%	\$1,253,788	\$8,247,547	16.11%	\$1,328,680
1162	Seadrift	\$750,858	2.68%	\$20,123	\$771,507	2.31%	\$17,822
1164	Seagoville	\$6,241,446	11.23%	\$700,914	\$6,413,086	11.01%	\$706,081
1166	Seagraves	\$811,812	8.51%	\$69,085	\$834,137	8.40%	\$70,068
1167	Sealy	\$4,336,811	12.74%	\$552,510	\$4,456,073	12.67%	\$564,584

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
1168	Seguin	\$25,819,903	21.79%	\$5,626,157	\$26,529,950	22.20%	\$5,889,649
1169	Selma	\$6,042,933	15.21%	\$919,130	\$6,209,114	15.25%	\$946,890
1170	Seminole	\$3,198,879	11.79%	\$377,148	\$3,286,848	11.83%	\$388,834
1171	Seven Points	\$659,706	2.11%	\$13,920	\$677,848	2.94%	\$19,929
1172	Seymour	\$1,065,629	7.45%	\$79,389	\$1,094,934	6.48%	\$70,952
1165	Shady Shores	\$131,092	10.51%	\$13,778	\$134,697	10.86%	\$14,628
1177	Shallowater	\$693,905	4.76%	\$33,030	\$712,987	4.29%	\$30,587
1174	Shamrock	\$559,599	9.22%	\$51,595	\$574,428	8.84%	\$50,779
1173	Shavano Park	\$3,379,386	13.98%	\$472,438	\$3,472,319	14.29%	\$496,194
1175	Shenandoah	\$4,087,925	18.29%	\$747,681	\$4,159,464	18.45%	\$767,421
1181	Shepherd	\$332,662	2.75%	\$9,148	\$341,810	2.53%	\$8,648
1176	Sherman	\$29,586,864	13.94%	\$4,124,409	\$30,400,503	13.69%	\$4,161,829
1178	Shiner	\$1,565,433	10.82%	\$169,380	\$1,608,482	10.44%	\$167,926
1179	Shoreacres	\$553,329	4.16%	\$23,018	\$566,886	4.43%	\$25,113
1180	Silsbee	\$3,466,717	18.07%	\$626,436	\$3,562,052	18.55%	\$660,761
1182	Silverton	\$149,527	4.50%	\$6,729	\$153,639	4.51%	\$6,929
1183	Simonton	\$149,229	9.08%	\$13,550	\$153,333	10.69%	\$16,391
1184	Sinton	\$1,863,093	12.46%	\$232,141	\$1,914,328	12.76%	\$244,268
1185	Skellytown	\$160,434	1.91%	\$3,064	\$164,846	1.91%	\$3,149
1186	Slaton	\$2,132,534	6.92%	\$147,571	\$2,178,383	6.47%	\$140,941
1188	Smithville	\$2,933,027	6.80%	\$199,446	\$3,013,685	6.85%	\$206,437
1189	Smyer	\$90,294	7.20%	\$6,501	\$92,777	5.19%	\$4,815
1190	Snyder	\$5,436,833	13.45%	\$731,254	\$5,586,346	13.25%	\$740,191
1191	Somerset	\$566,813	2.38%	\$13,490	\$582,400	2.39%	\$13,919
1192	Somerville	\$636,879	4.64%	\$29,551	\$654,393	4.06%	\$26,568
1194	Sonora	\$1,402,650	7.71%	\$108,144	\$1,441,223	7.34%	\$105,786
1196	Sour Lake	\$696,711	5.44%	\$37,901	\$715,871	5.25%	\$37,583
1198	South Houston	\$6,109,862	8.87%	\$541,945	\$6,277,883	9.24%	\$580,076
1199	South Padre Island	\$9,250,149	12.25%	\$1,133,143	\$9,504,528	12.50%	\$1,188,066
1197	Southlake	\$27,710,797	12.33%	\$3,416,741	\$28,472,844	12.16%	\$3,462,298
1200	Southmayd	\$315,279	3.42%	\$10,783	\$323,949	3.27%	\$10,593
1202	Southside Place	\$1,590,508	11.01%	\$175,115	\$1,634,247	10.96%	\$179,113
1204	Spearman	\$1,123,698	10.74%	\$120,685	\$1,154,600	9.43%	\$108,879
1201	Splendora	\$1,630,939	11.43%	\$186,416	\$1,675,790	11.07%	\$185,510
1205	Spring Valley Village	\$3,558,681	6.33%	\$225,265	\$3,656,545	6.13%	\$224,146
1203	Springtown	\$1,948,360	9.72%	\$189,381	\$2,001,940	9.27%	\$185,580
1206	Spur	\$241,873	4.80%	\$11,610	\$248,525	5.25%	\$13,048
1207	Stafford	\$10,717,011	13.62%	\$1,459,657	\$11,011,729	13.13%	\$1,445,840
1208	Stamford	\$959,083	4.79%	\$45,940	\$975,867	3.10%	\$30,252
1210	Stanton	\$1,421,921	5.62%	\$79,912	\$1,461,024	5.08%	\$74,220
1211	Star Harbor	\$175,005	12.87%	\$22,523	\$178,418	15.89%	\$28,351
1212	Stephenville	\$9,775,669	6.83%	\$667,678	\$10,044,500	6.47%	\$649,879
1213	Sterling City	\$353,040	1.13%	\$3,989	\$362,749	1.08%	\$3,918
1214	Stinnett	\$857,320	0.23%	\$1,972	\$880,896	0.00%	\$0
1216	Stockdale	\$428,015	4.62%	\$19,774	\$439,785	4.21%	\$18,515

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
1218	Stratford	\$701,919	9.57%	\$67,174	\$721,222	9.39%	\$67,723
1224	Sudan	\$405,666	1.61%	\$6,531	\$416,822	0.95%	\$3,960
1225	Sugar Land	\$60,244,710	14.35%	\$8,645,116	\$61,901,440	14.36%	\$8,889,047
1223	Sullivan City	\$856,585	1.96%	\$16,789	\$880,141	2.28%	\$20,067
1226	Sulphur Springs	\$8,984,715	7.87%	\$707,097	\$9,231,795	6.82%	\$629,608
1228	Sundown	\$590,257	12.23%	\$72,188	\$605,899	11.66%	\$70,648
1229	Sunnyvale	\$4,810,817	11.58%	\$557,093	\$4,943,114	11.06%	\$546,708
1230	Sunray	\$620,472	14.39%	\$89,286	\$637,535	13.23%	\$84,346
1227	Sunrise Beach Village	\$613,457	1.46%	\$8,956	\$630,327	1.59%	\$10,022
1231	Sunset Valley	\$1,821,280	11.54%	\$210,176	\$1,871,365	10.91%	\$204,166
1233	Surfside Beach	\$1,203,752	5.49%	\$66,086	\$1,236,855	5.49%	\$67,903
1232	Sweeny	\$1,070,942	15.24%	\$163,212	\$1,100,393	14.77%	\$162,528
1234	Sweetwater	\$5,997,674	16.18%	\$970,424	\$6,162,610	16.44%	\$1,013,133
1264	TMRS	\$14,317,166	15.19%	\$2,174,778	\$14,710,888	15.06%	\$2,215,460
1236	Taft	\$1,235,405	15.19%	\$187,658	\$1,266,908	15.81%	\$200,298
1238	Tahoka	\$823,479	2.09%	\$17,211	\$846,125	1.99%	\$16,838
1240	Talty	\$203,681	11.44%	\$23,301	\$209,282	10.62%	\$22,226
1241	Tatum	\$388,269	1.75%	\$6,795	\$398,946	1.87%	\$7,460
1246	Taylor	\$9,491,211	12.69%	\$1,204,435	\$9,752,219	12.70%	\$1,238,532
1248	Teague	\$917,135	7.93%	\$72,729	\$933,185	7.47%	\$69,709
1252	Temple	\$40,019,740	16.73%	\$6,695,303	\$41,120,283	16.80%	\$6,908,208
1254	Tenaha	\$232,766	0.00%	\$0	\$239,167	0.00%	\$0
1256	Terrell	\$12,185,761	16.25%	\$1,980,186	\$12,520,869	16.65%	\$2,084,725
1258	Terrell Hills	\$3,120,686	15.50%	\$483,706	\$3,206,505	15.70%	\$503,421
31263	Tex Municipal League IEBP	\$11,549,998	8.51%	\$982,905	\$11,867,623	8.09%	\$960,091
21263	Tex Municipal League IRP	\$27,847,426	10.44%	\$2,907,271	\$28,613,230	10.60%	\$3,033,002
21260	Texarkana	\$8,708,577	14.94%	\$1,301,061	\$8,904,520	15.80%	\$1,406,914
11260	Texarkana Police Dept	\$6,332,307	14.75%	\$934,015	\$6,506,445	14.47%	\$941,483
31260	Texarkana Water Utilities	\$7,777,784	16.03%	\$1,246,779	\$7,983,895	16.70%	\$1,333,310
1262	Texas City	\$26,101,590	16.79%	\$4,382,457	\$26,819,384	16.88%	\$4,527,112
11263	Texas Municipal League	\$3,464,004	13.33%	\$461,752	\$3,559,264	13.66%	\$486,195
1267	The Colony	\$29,385,110	13.47%	\$3,958,174	\$30,193,201	13.45%	\$4,060,986
1269	Thompsons	\$109,900	4.12%	\$4,528	\$112,922	5.61%	\$6,335
1268	Thorndale	\$361,831	7.32%	\$26,486	\$368,163	7.04%	\$25,919
1272	Thrall	\$275,661	5.98%	\$16,485	\$283,242	5.26%	\$14,899
1274	Three Rivers	\$1,911,221	23.26%	\$444,550	\$1,963,780	24.38%	\$478,770
1276	Throckmorton	\$173,286	5.59%	\$9,687	\$177,705	6.01%	\$10,680
1277	Tiki Island	\$547,452	3.52%	\$19,270	\$562,507	3.45%	\$19,406
1278	Timpson	\$304,444	1.64%	\$4,993	\$312,816	0.70%	\$2,190
1280	Tioga	\$475,194	4.01%	\$19,055	\$488,262	4.26%	\$20,800
1283	Tolar	\$257,717	7.06%	\$18,195	\$264,804	7.18%	\$19,013
1286	Tom Bean	\$309,563	2.74%	\$8,482	\$317,766	2.54%	\$8,071
1284	Tomball	\$13,065,356	12.98%	\$1,695,883	\$13,424,653	13.04%	\$1,750,575
1290	Trent	\$76,601	4.94%	\$3,784	\$78,708	2.19%	\$1,724
1292	Trenton	\$233,078	4.18%	\$9,743	\$237,157	3.67%	\$8,704

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
1293	Trinidad	\$323,909	11.88%	\$38,480	\$329,577	14.50%	\$47,789
1294	Trinity	\$722,209	6.23%	\$44,994	\$742,070	5.52%	\$40,962
1295	Trophy Club	\$5,967,227	12.58%	\$750,677	\$6,131,326	12.68%	\$777,452
1296	Troup	\$930,367	5.26%	\$48,937	\$955,952	5.33%	\$50,952
1297	Troy	\$748,149	10.19%	\$76,236	\$768,723	9.56%	\$73,490
1298	Tulia	\$1,667,741	8.32%	\$138,756	\$1,713,604	8.46%	\$144,971
1299	Turkey	\$148,895	5.26%	\$7,832	\$152,990	5.24%	\$8,017
1300	Tuscola	\$91,098	5.67%	\$5,165	\$93,603	4.67%	\$4,371
1301	Tye	\$791,601	5.51%	\$43,617	\$813,370	5.80%	\$47,175
1304	Tyler	\$42,575,994	20.64%	\$8,787,685	\$43,746,834	20.65%	\$9,033,721
1307	Uhland	\$304,023	13.85%	\$42,107	\$312,384	13.00%	\$40,610
1305	Universal City	\$8,704,829	18.64%	\$1,622,580	\$8,944,212	18.83%	\$1,684,195
1306	University Park	\$18,942,915	8.65%	\$1,638,562	\$19,463,845	8.17%	\$1,590,196
1308	Uvalde	\$7,516,931	9.02%	\$678,027	\$7,723,647	8.80%	\$679,681
1312	Valley Mills	\$357,359	2.03%	\$7,254	\$367,186	1.65%	\$6,059
1313	Valley View	\$243,584	1.75%	\$4,263	\$250,283	1.64%	\$4,105
1314	Van	\$1,138,914	6.67%	\$75,966	\$1,170,234	6.30%	\$73,725
1316	Van Alstyne	\$2,787,252	12.76%	\$355,653	\$2,863,901	12.86%	\$368,298
1318	Van Horn	\$1,312,453	8.00%	\$104,996	\$1,335,421	7.98%	\$106,567
1320	Vega	\$257,196	20.30%	\$52,211	\$264,012	20.67%	\$54,571
1324	Venus	\$1,667,210	10.69%	\$178,225	\$1,713,058	10.80%	\$185,010
1326	Vernon	\$4,087,861	11.58%	\$473,374	\$4,183,926	11.77%	\$492,448
1328	Victoria	\$34,016,545	15.71%	\$5,343,999	\$34,952,000	16.11%	\$5,630,767
1329	Vidor	\$3,876,756	14.74%	\$571,434	\$3,983,367	14.32%	\$570,418
1500	Village Fire Department	\$4,466,742	6.55%	\$292,572	\$4,580,644	6.22%	\$284,916
1327	Village of the Hills	\$114,721	8.49%	\$9,740	\$117,876	9.01%	\$10,621
1330	Waco	\$95,878,869	14.34%	\$13,749,030	\$98,419,659	13.67%	\$13,453,967
1332	Waelder	\$891,131	2.65%	\$23,615	\$915,637	2.05%	\$18,771
1334	Wake Village	\$1,148,233	14.00%	\$160,753	\$1,179,809	13.88%	\$163,757
1336	Waller	\$2,051,256	11.00%	\$225,638	\$2,107,666	11.36%	\$239,431
1337	Wallis	\$752,189	2.33%	\$17,526	\$772,874	2.13%	\$16,462
1338	Walnut Springs	\$100,346	3.97%	\$3,984	\$103,106	4.03%	\$4,155
1340	Waskom	\$728,580	20.73%	\$151,035	\$745,702	23.29%	\$173,674
1341	Watauga	\$9,826,165	14.82%	\$1,456,238	\$10,027,601	14.74%	\$1,478,068
1342	Waxahachie	\$20,773,255	15.60%	\$3,240,628	\$21,344,520	15.89%	\$3,391,644
1344	Weatherford	\$24,337,535	13.52%	\$3,290,435	\$25,006,817	13.51%	\$3,378,421
1345	Webster	\$13,095,045	17.52%	\$2,294,252	\$13,455,159	17.08%	\$2,298,141
1346	Weimar	\$1,458,642	13.73%	\$200,272	\$1,498,755	13.14%	\$196,936
1350	Wellington	\$492,856	3.29%	\$16,215	\$506,410	2.75%	\$13,926
1352	Wells	\$306,666	3.15%	\$9,660	\$315,099	3.36%	\$10,587
1354	Weslaco	\$12,604,050	8.04%	\$1,013,366	\$12,837,225	7.49%	\$961,508
1356	West	\$931,428	5.76%	\$53,650	\$957,042	4.93%	\$47,182
1358	West Columbia	\$1,798,629	3.96%	\$71,226	\$1,848,091	3.78%	\$69,858
1359	West Lake Hills	\$2,074,996	16.05%	\$333,037	\$2,115,458	16.08%	\$340,166
1361	West Orange	\$1,545,580	18.80%	\$290,569	\$1,578,810	19.01%	\$300,132

*Reflects phase-in, when applicable.

SECTION 4
TEXAS MUNICIPAL RETIREMENT SYSTEM
COMPARISON OF EXPECTED CITY CONTRIBUTION AMOUNTS
FOR THE RETIREMENT PLAN

CITY #	CITY NAME	2022 EXPECTED CONTRIBUTIONS			2023 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
1365	West Tawakoni	\$405,361	7.62%	\$30,889	\$414,482	5.05%	\$20,931
1364	West Univ. Place	\$11,083,928	12.91%	\$1,430,935	\$11,388,736	12.52%	\$1,425,870
1363	Westlake	\$4,532,191	11.59%	\$525,281	\$4,656,826	11.87%	\$552,765
1362	Westover Hills	\$1,450,580	6.04%	\$87,615	\$1,490,471	5.63%	\$83,914
1366	Westworth Village	\$2,282,085	10.50%	\$239,619	\$2,344,842	10.40%	\$243,864
1368	Wharton	\$5,839,071	5.06%	\$295,457	\$5,999,645	4.94%	\$296,382
1370	Wheeler	\$292,855	9.23%	\$27,031	\$300,909	10.38%	\$31,234
1372	White Deer	\$280,291	9.42%	\$26,403	\$285,196	10.59%	\$30,202
1377	White Oak	\$2,312,018	12.79%	\$295,707	\$2,373,286	13.94%	\$330,836
1378	White Settlement	\$7,427,029	17.07%	\$1,267,794	\$7,631,272	16.96%	\$1,294,264
1374	Whiteface	\$158,147	2.84%	\$4,491	\$161,863	2.64%	\$4,273
1375	Whitehouse	\$2,243,549	8.31%	\$186,439	\$2,303,003	7.98%	\$183,780
1376	Whitesboro	\$2,337,634	5.86%	\$136,985	\$2,401,919	5.53%	\$132,826
1380	Whitewright	\$790,400	2.87%	\$22,684	\$812,136	2.67%	\$21,684
1382	Whitney	\$856,804	3.61%	\$30,931	\$878,653	3.08%	\$27,063
1384	Wichita Falls	\$48,910,228	16.42%	\$8,031,059	\$50,255,259	16.18%	\$8,131,301
1386	Willis	\$2,571,975	9.47%	\$243,566	\$2,642,704	8.47%	\$223,837
1387	Willow Park	\$2,735,032	6.99%	\$191,179	\$2,810,245	6.91%	\$194,188
1388	Wills Point	\$1,190,318	10.82%	\$128,792	\$1,213,529	10.43%	\$126,571
1390	Wilmer	\$3,355,250	5.42%	\$181,855	\$3,447,519	5.25%	\$180,995
1392	Wimberley	\$518,510	5.66%	\$29,348	\$532,769	6.11%	\$32,552
1393	Windcrest	\$4,156,587	7.00%	\$290,961	\$4,270,893	6.89%	\$294,265
1395	Winfield	\$78,851	2.58%	\$2,034	\$81,019	2.52%	\$2,042
1396	Wink	\$614,631	6.02%	\$37,001	\$631,533	6.01%	\$37,955
1398	Winnsboro	\$1,950,759	8.80%	\$171,667	\$2,004,405	8.85%	\$177,390
1399	Winona	\$207,222	2.94%	\$6,092	\$210,848	5.03%	\$10,606
1400	Winters	\$581,448	10.65%	\$61,924	\$595,112	7.15%	\$42,551
1403	Wolfforth	\$2,214,068	10.93%	\$241,998	\$2,274,955	10.90%	\$247,970
1409	Woodcreek	\$196,486	10.41%	\$20,454	\$201,889	9.15%	\$18,473
1404	Woodsboro	\$515,820	1.94%	\$10,007	\$530,005	1.85%	\$9,805
1406	Woodville	\$1,610,354	16.56%	\$266,675	\$1,651,418	16.79%	\$277,273
1407	Woodway	\$6,183,613	17.67%	\$1,092,644	\$6,353,662	17.23%	\$1,094,736
1408	Wortham	\$348,513	6.21%	\$21,643	\$357,052	6.15%	\$21,959
1410	Wylie	\$25,304,190	15.27%	\$3,863,950	\$26,000,055	14.96%	\$3,889,608
1412	Yoakum	\$4,779,146	16.00%	\$764,663	\$4,910,573	16.98%	\$833,815
1414	Yorktown	\$459,645	0.00%	\$0	\$467,689	0.00%	\$0
1415	Zavalla	\$371,145	1.56%	\$5,790	\$377,640	2.12%	\$8,006

*Reflects phase-in, when applicable.

SECTION 5



SUPPLEMENTAL DEATH RATES

Section 5
TEXAS MUNICIPAL RETIREMENT SYSTEM
CITY CONTRIBUTION RATES FOR 2023
SUPPLEMENTAL DEATH BENEFITS

CITY	ACTIVES	ACTIVES &		CITY	ACTIVES	ACTIVES &	
<u>NO.</u> <u>CITY NAME</u>	<u>ONLY</u>	<u>RETIREES</u>	<u>CODE*</u>	<u>NO.</u> <u>CITY NAME</u>	<u>ONLY</u>	<u>RETIREES</u>	<u>CODE*</u>
4 Abernathy	0.40 %	0.53 %	3	106 Bellaire	0.23 %	0.39 %	3
6 Abilene	0.22 %	0.49 %	3	109 Bellmead	0.20 %	0.31 %	3
7 Addison	0.19 %	0.30 %	3	110 Bells	0.15 %	0.30 %	3
8 Agua Dulce	0.34 %	0.34 %	3	112 Bellville	0.21 %	0.54 %	3
10 Alamo	0.20 %	0.33 %	3	114 Belton	0.21 %	0.35 %	3
12 Alamo Heights	0.21 %	0.38 %	3	118 Benbrook	0.18 %	0.28 %	3
14 Alba	0.30 %	0.30 %	3	121 Berryville	1.06 %	1.33 %	3
16 Albany	0.35 %	0.68 %	3	123 Bertram	0.19 %	0.45 %	1
17 Aledo	0.21 %	0.41 %	3	124 Big Lake	0.29 %	0.38 %	3
18 Alice	0.25 %	0.54 %	1	126 Big Sandy	0.21 %	0.58 %	3
19 Allen	0.20 %	0.25 %	3	128 Big Spring	0.24 %	0.49 %	3
20 Alpine	0.16 %	0.31 %	3	132 Bishop	0.24 %	0.55 %	3
22 Alto	0.20 %	0.57 %	3	134 Blanco	0.17 %	0.28 %	3
23 Alton	0.17 %	0.24 %	3	140 Blooming Grove	0.22 %	0.42 %	3
24 Alvarado	0.22 %	0.26 %	3	142 Blossom	0.55 %	1.39 %	3
26 Alvin	0.19 %	0.32 %	3	143 Blue Mound	0.12 %	0.21 %	3
28 Alvord	0.29 %	0.32 %	3	144 Blue Ridge	0.16 %	0.28 %	3
30 Amarillo	0.21 %	0.45 %	1	148 Boerne	0.20 %	0.28 %	3
32 Amherst	0.23 %	0.39 %	1	150 Bogata	0.24 %	0.40 %	3
34 Anahuac	0.26 %	0.30 %	3	152 Bonham	0.26 %	0.38 %	1
36 Andrews	0.18 %	0.31 %	1	154 Booker	0.30 %	0.41 %	3
38 Angleton	0.20 %	0.33 %	3	156 Borger	0.36 %	0.55 %	3
40 Anna	0.15 %	0.16 %	3	158 Bovina	0.14 %	0.52 %	3
41 Annetta	0.21 %	0.21 %	3	160 Bowie	0.32 %	0.56 %	3
44 Anson	0.21 %	0.34 %	3	162 Boyd	0.16 %	0.31 %	1
45 Anthony	0.21 %	0.28 %	3	166 Brady	0.28 %	0.44 %	3
48 Aransas Pass	0.25 %	0.35 %	3	170 Brazoria	0.19 %	0.48 %	3
50 Archer City	0.41 %	0.65 %	3	172 Breckenridge	0.16 %	0.46 %	3
49 Arcola	0.30 %	0.32 %	3	174 Bremond	0.38 %	1.12 %	3
51 Argyle	0.21 %	0.29 %	1	176 Brenham	0.18 %	0.36 %	1
52 Arlington	0.17 %	0.30 %	3	177 Bridge City	0.39 %	0.58 %	3
54 Arp	0.21 %	0.25 %	3	178 Bridgeport	0.20 %	0.32 %	3
60 Aspermont	0.20 %	0.44 %	3	180 Bronte	0.35 %	0.42 %	3
62 Athens	0.16 %	0.30 %	3	182 Brookshire	0.25 %	0.28 %	3
64 Atlanta	0.26 %	0.42 %	3	184 Brownfield	0.22 %	0.40 %	1
66 Aubrey	0.18 %	0.19 %	3	186 Brownsboro	0.78 %	0.78 %	3
74 Avinger	0.50 %	0.50 %	3	10188 Brownsville	0.18 %	0.33 %	3
75 Azle	0.19 %	0.27 %	3	20188 Brownsville PUB	0.23 %	0.42 %	3
77 Baird	0.21 %	0.30 %	3	10190 Brownwood	0.21 %	0.46 %	1
78 Balch Springs	0.18 %	0.26 %	3	30190 Brownwood Health Dept.	0.18 %	0.31 %	1
79 Balcones Heights	0.25 %	0.42 %	3	20190 Brownwood Public Library	1.12 %	1.17 %	1
80 Ballinger	0.21 %	0.55 %	3	195 Bruceville-Eddy	0.13 %	0.55 %	3
82 Balmorhea	0.16 %	0.16 %	3	192 Bryan	0.21 %	0.33 %	1
83 Bandera	0.22 %	0.52 %	3	193 Bryson	0.21 %	0.21 %	1
84 Bangs	0.30 %	0.52 %	3	194 Buda	0.22 %	0.26 %	3
90 Bartlett	0.20 %	0.38 %	3	196 Buffalo	0.38 %	0.72 %	3
91 Bartonville	0.16 %	0.28 %	3	198 Bullard	0.23 %	0.31 %	3
92 Bastrop	0.20 %	0.30 %	3	203 Bulverde	0.14 %	0.20 %	3
94 Bay City	0.19 %	0.42 %	3	199 Bunker Hill Village	0.29 %	0.32 %	3
93 Bayou Vista	0.17 %	0.32 %	3	200 Burkburnett	0.34 %	0.59 %	3
96 Baytown	0.17 %	0.26 %	3	202 Burleson	0.17 %	0.23 %	3
98 Beaumont	0.24 %	0.46 %	1	204 Burnet	0.18 %	0.30 %	3
100 Bedford	0.17 %	0.21 %	2	205 Byers	0.40 %	0.40 %	3
101 Bee Cave	0.20 %	0.23 %	3	207 Cactus	0.18 %	0.30 %	3
102 Beeville	0.23 %	0.56 %	1	208 Caddo Mills	0.18 %	0.23 %	3

*Codes indicating provision adopted as of April 1, 2022: 1 = None, 2 = Actives only, 3 = Actives and Retirees

Section 5
TEXAS MUNICIPAL RETIREMENT SYSTEM
CITY CONTRIBUTION RATES FOR 2023
SUPPLEMENTAL DEATH BENEFITS

CITY NO. CITY NAME	ACTIVES ONLY	ACTIVES & RETIREES	CODE*	CITY NO. CITY NAME	ACTIVES ONLY	ACTIVES & RETIREES	CODE*
210 Caldwell	0.38 %	0.68 %	3	299 Coppell	0.20 %	0.27 %	3
211 Callisburg	0.13 %	0.13 %	3	297 Copper Canyon	0.43 %	0.49 %	3
212 Calvert	0.39 %	0.53 %	3	300 Copperas Cove	0.19 %	0.41 %	3
214 Cameron	0.20 %	0.37 %	3	301 Corinth	0.21 %	0.29 %	3
216 Campbell	0.40 %	0.40 %	3	302 Corpus Christi	0.22 %	0.51 %	1
220 Canadian	0.24 %	0.42 %	3	304 Corrigan	0.26 %	0.44 %	3
221 Caney City	0.17 %	0.17 %	3	306 Corsicana	0.21 %	0.47 %	3
222 Canton	0.37 %	0.47 %	3	307 Cottonwood Shores	0.65 %	0.65 %	3
224 Canyon	0.22 %	0.31 %	3	308 Cotulla	0.25 %	0.41 %	3
227 Carmine	0.12 %	0.12 %	3	310 Crandall	0.15 %	0.27 %	3
228 Carrizo Springs	0.30 %	0.60 %	3	312 Crane	0.25 %	0.36 %	3
230 Carrollton	0.19 %	0.32 %	1	314 Crawford	0.31 %	0.33 %	1
232 Carthage	0.32 %	0.54 %	3	315 Creedmoor	0.47 %	0.47 %	3
231 Castle Hills	0.20 %	0.42 %	3	316 Crockett	0.26 %	0.70 %	3
234 Castroville	0.32 %	0.58 %	3	318 Crosbyton	0.13 %	0.95 %	3
238 Cedar Hill	0.18 %	0.26 %	3	320 Cross Plains	0.32 %	0.48 %	3
239 Cedar Park	0.17 %	0.22 %	3	321 Cross Roads	0.19 %	0.20 %	3
240 Celeste	0.61 %	0.81 %	3	322 Crowell	0.34 %	0.34 %	3
242 Celina	0.19 %	0.20 %	3	323 Crowley	0.18 %	0.24 %	3
244 Center	0.22 %	0.37 %	3	324 Crystal City	0.26 %	0.57 %	1
246 Centerville	0.45 %	0.50 %	1	326 Cuero	0.28 %	0.47 %	3
247 Chandler	0.29 %	0.41 %	3	328 Cumby	0.28 %	0.35 %	3
248 Charlotte	0.28 %	0.33 %	3	332 Daingerfield	0.27 %	0.39 %	1
249 Chester	1.14 %	1.39 %	3	334 Daisetta	0.47 %	0.84 %	3
245 Chico	0.39 %	1.30 %	3	336 Dalhart	0.21 %	0.42 %	3
250 Childress	0.32 %	0.65 %	3	339 Dalworthington Gardens	0.18 %	0.27 %	3
251 Chillicothe	0.36 %	0.36 %	3	340 Danbury	0.27 %	0.40 %	3
253 Chireno	0.19 %	0.65 %	3	341 Darrouzett	0.78 %	0.78 %	3
254 Christine	0.05 %	0.36 %	1	344 Dayton	0.16 %	0.29 %	3
255 Cibolo	0.20 %	0.23 %	3	352 De Leon	0.31 %	0.63 %	3
256 Cisco	0.19 %	0.44 %	2	10366 DeSoto	0.21 %	0.33 %	3
258 Clarendon	0.56 %	0.96 %	3	346 Decatur	0.25 %	0.36 %	3
259 Clarksville	0.20 %	0.45 %	3	348 Deer Park	0.22 %	0.35 %	3
260 Clarksville City	0.11 %	0.57 %	3	350 Dekalb	0.22 %	0.37 %	3
263 Clear Lake Shores	0.24 %	0.29 %	3	354 Del Rio	0.24 %	0.39 %	3
264 Cleburne	0.19 %	0.45 %	3	353 Dell City	0.17 %	0.94 %	3
266 Cleveland	0.21 %	0.40 %	3	356 Denison	0.22 %	0.42 %	1
268 Clifton	0.32 %	0.62 %	3	358 Denton	0.18 %	0.28 %	3
271 Clute	0.21 %	0.32 %	3	360 Denver City	0.25 %	0.45 %	3
272 Clyde	0.25 %	0.38 %	3	362 Deport	0.74 %	1.22 %	3
274 Coahoma	0.29 %	0.62 %	3	370 Devine	0.22 %	0.41 %	3
276 Cockrell Hill	0.16 %	0.38 %	3	371 Diboll	0.14 %	0.42 %	3
278 Coleman	0.25 %	0.71 %	1	372 Dickens	0.14 %	0.14 %	3
280 College Station	0.17 %	0.26 %	1	373 Dickinson	0.19 %	0.26 %	3
281 Colleyville	0.19 %	0.29 %	3	374 Dilley	0.14 %	0.32 %	3
282 Collinsville	0.25 %	0.48 %	3	376 Dimmitt	0.36 %	0.62 %	1
283 Colmesneil	0.16 %	0.17 %	3	382 Donna	0.23 %	0.29 %	1
284 Colorado City	0.35 %	0.87 %	3	379 Double Oak	0.28 %	0.47 %	3
286 Columbus	0.22 %	0.50 %	3	383 Dripping Springs	0.18 %	0.19 %	3
288 Comanche	0.21 %	0.54 %	3	385 Driscoll	0.43 %	0.57 %	3
289 Combes	0.14 %	0.20 %	1	384 Dublin	0.13 %	0.32 %	3
290 Commerce	0.18 %	0.49 %	3	386 Dumas	0.21 %	0.36 %	3
294 Conroe	0.19 %	0.26 %	1	388 Duncanville	0.20 %	0.35 %	1
295 Converse	0.17 %	0.23 %	3	394 Eagle Lake	0.40 %	0.77 %	3
298 Cooper	0.39 %	0.58 %	3	396 Eagle Pass	0.20 %	0.36 %	3

*Codes indicating provision adopted as of April 1, 2022: 1 = None, 2 = Actives only, 3 = Actives and Retirees

Section 5
TEXAS MUNICIPAL RETIREMENT SYSTEM
CITY CONTRIBUTION RATES FOR 2023
SUPPLEMENTAL DEATH BENEFITS

<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &</u> <u>RETIREES</u>	<u>CODE*</u>	<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &</u> <u>RETIREES</u>	<u>CODE*</u>
397 Early	0.19 %	0.29 %	3	492 Gainesville	0.20 %	0.39 %	3
399 Earth	0.17 %	0.43 %	3	494 Galena Park	0.25 %	0.45 %	3
393 East Bernard	0.25 %	0.32 %	3	498 Ganado	0.31 %	0.78 %	3
401 East Mountain	0.07 %	0.47 %	3	499 Garden Ridge	0.36 %	0.48 %	3
395 East Tawakoni	0.26 %	0.47 %	3	500 Garland	0.23 %	0.38 %	3
398 Eastland	0.28 %	0.49 %	3	501 Garrett	0.20 %	0.20 %	3
402 Ector	0.56 %	0.62 %	3	502 Garrison	0.20 %	0.34 %	3
406 Eden	0.19 %	0.71 %	3	503 Gary	0.29 %	0.35 %	1
408 Edgewood	0.48 %	0.68 %	3	504 Gatesville	0.21 %	0.37 %	3
410 Edinburg	0.16 %	0.25 %	3	505 George West	0.27 %	0.35 %	3
412 Edna	0.29 %	0.64 %	3	506 Georgetown	0.17 %	0.21 %	3
414 El Campo	0.20 %	0.39 %	3	510 Giddings	0.25 %	0.51 %	3
416 Eldorado	0.40 %	1.11 %	3	512 Gilmer	0.21 %	0.41 %	3
418 Electra	0.30 %	0.69 %	3	514 Gladewater	0.19 %	0.34 %	3
420 Elgin	0.24 %	0.38 %	3	516 Glen Rose	0.20 %	0.50 %	3
422 Elkhart	0.16 %	0.30 %	1	517 Glenn Heights	0.18 %	0.24 %	3
427 Elmendorf	0.19 %	0.19 %	3	518 Godley	0.17 %	0.33 %	3
432 Emory	0.49 %	0.64 %	3	519 Goldsmith	0.65 %	0.65 %	3
436 Ennis	0.20 %	0.35 %	3	520 Goldthwaite	0.31 %	0.45 %	3
437 Escobares	0.11 %	0.11 %	3	522 Goliad	0.24 %	0.42 %	3
439 Euless	0.20 %	0.33 %	1	524 Gonzales	0.17 %	0.39 %	3
440 Eustace	0.21 %	0.46 %	3	527 Gordon	0.15 %	0.15 %	3
441 Everman	0.19 %	0.27 %	3	530 Gorman	0.26 %	0.41 %	3
443 Fair Oaks Ranch	0.20 %	0.24 %	3	532 Graford	0.26 %	0.37 %	3
442 Fairfield	0.24 %	0.48 %	3	10534 Graham	0.22 %	0.63 %	3
445 Fairview	0.24 %	0.27 %	3	536 Granbury	0.25 %	0.39 %	3
20444 Falfurrias	0.19 %	0.37 %	3	540 Grand Prairie	0.19 %	0.31 %	3
446 Falls City	0.36 %	0.36 %	3	542 Grand Saline	0.20 %	0.38 %	3
448 Farmers Branch	0.19 %	0.37 %	2	544 Grandview	0.21 %	0.47 %	1
450 Farmersville	0.24 %	0.37 %	3	546 Granger	0.31 %	0.62 %	1
451 Farwell	0.23 %	0.30 %	3	547 Granite Shoals	0.26 %	0.30 %	3
452 Fate	0.16 %	0.17 %	3	548 Grapeland	0.13 %	0.76 %	1
454 Fayetteville	0.33 %	0.85 %	1	550 Grapevine	0.21 %	0.33 %	1
456 Ferris	0.20 %	0.39 %	3	552 Greenville	0.23 %	0.42 %	3
458 Flatonia	0.24 %	0.48 %	3	551 Gregory	0.32 %	0.45 %	3
460 Florence	0.21 %	0.25 %	3	553 Grey Forest	0.25 %	0.36 %	3
20462 Floresville	0.19 %	0.34 %	1	556 Groesbeck	0.26 %	0.41 %	3
463 Flower Mound	0.17 %	0.23 %	3	558 Groom	0.23 %	0.49 %	1
464 Floydada	0.21 %	0.46 %	3	559 Groves	0.21 %	0.42 %	1
465 Follett	0.13 %	0.13 %	3	560 Groveton	0.29 %	0.99 %	3
468 Forest Hill	0.19 %	0.27 %	3	562 Gruver	0.41 %	0.53 %	1
470 Forney	0.18 %	0.20 %	3	563 Gun Barrel City	0.28 %	0.36 %	3
472 Fort Stockton	0.35 %	0.60 %	3	564 Gunter	0.18 %	0.24 %	3
476 Franklin	0.18 %	0.37 %	1	568 Hale Center	0.21 %	0.26 %	3
478 Frankston	0.22 %	0.36 %	3	570 Hallettsville	0.24 %	0.58 %	3
480 Fredericksburg	0.23 %	0.38 %	3	572 Hallsville	0.37 %	0.44 %	3
482 Freeport	0.15 %	0.27 %	3	574 Haltom City	0.20 %	0.35 %	3
481 Freer	0.43 %	0.78 %	3	576 Hamilton	0.21 %	0.61 %	3
483 Friendswood	0.21 %	0.30 %	3	578 Hamlin	0.23 %	0.92 %	3
484 Friona	0.23 %	0.40 %	3	580 Happy	0.29 %	0.51 %	3
486 Frisco	0.18 %	0.21 %	3	581 Harker Heights	0.17 %	0.26 %	3
487 Fritch	0.39 %	0.55 %	3	10582 Harlingen	0.23 %	0.46 %	3
488 Frost	0.70 %	1.56 %	1	20582 Harlingen Waterworks Sys	0.21 %	0.57 %	3
491 Fulshear	0.19 %	0.20 %	3	583 Hart	0.15 %	0.31 %	1
493 Fulton	0.28 %	0.47 %	3	586 Haskell	0.34 %	0.47 %	3

*Codes indicating provision adopted as of April 1, 2022: 1 = None, 2 = Actives only, 3 = Actives and Retirees

Section 5
TEXAS MUNICIPAL RETIREMENT SYSTEM
CITY CONTRIBUTION RATES FOR 2023
SUPPLEMENTAL DEATH BENEFITS

CITY				CITY					
<u>NO.</u>	<u>CITY NAME</u>	<u>ACTIVES ONLY</u>	<u>ACTIVES & RETIREES</u>	<u>CODE*</u>	<u>NO.</u>	<u>CITY NAME</u>	<u>ACTIVES ONLY</u>	<u>ACTIVES & RETIREES</u>	<u>CODE*</u>
587	Haslet	0.30 %	0.35 %	3	658	Jacksonville	0.17 %	0.40 %	3
588	Hawkins	0.39 %	0.56 %	3	660	Jasper	0.27 %	0.49 %	3
585	Hays	0.25 %	0.96 %	3	664	Jefferson	0.26 %	0.54 %	3
590	Hearne	0.26 %	0.53 %	3	665	Jersey Village	0.20 %	0.35 %	3
591	Heath	0.18 %	0.24 %	3	666	Jewett	0.22 %	0.31 %	3
592	Hedley	0.18 %	1.76 %	3	668	Joaquin	0.21 %	0.78 %	3
595	Hedwig Village	0.23 %	0.36 %	3	670	Johnson City	0.17 %	0.24 %	3
593	Helotes	0.15 %	0.23 %	3	673	Jones Creek	0.27 %	0.58 %	3
594	Hemphill	0.34 %	0.65 %	3	675	Jonestown	0.29 %	0.40 %	3
596	Hempstead	0.33 %	0.41 %	3	677	Josephine	0.14 %	0.15 %	3
598	Henderson	0.19 %	0.32 %	3	671	Joshua	0.19 %	0.22 %	3
600	Henrietta	0.31 %	0.52 %	3	672	Jourdanton	0.36 %	0.81 %	3
602	Hereford	0.20 %	0.38 %	3	674	Junction	0.26 %	0.38 %	3
605	Hewitt	0.18 %	0.23 %	3	676	Justin	0.14 %	0.17 %	1
609	Hickory Creek	0.14 %	0.18 %	3	678	Karnes City	0.25 %	0.36 %	3
606	Hico	0.20 %	0.64 %	3	680	Katy	0.17 %	0.23 %	3
607	Hidalgo	0.23 %	0.31 %	1	682	Kaufman	0.23 %	0.35 %	3
608	Higgins	0.70 %	0.95 %	3	683	Keene	0.19 %	0.35 %	3
610	Highland Park	0.21 %	0.30 %	1	681	Keller	0.17 %	0.24 %	3
611	Highland Village	0.19 %	0.29 %	3	685	Kemah	0.17 %	0.28 %	3
613	Hill Country Village	0.25 %	0.26 %	3	684	Kemp	0.17 %	0.41 %	3
612	Hillsboro	0.31 %	0.47 %	1	689	Kempner	0.07 %	0.07 %	3
619	Hilshire Village	0.35 %	0.45 %	3	686	Kenedy	0.20 %	0.24 %	3
614	Hitchcock	0.27 %	0.36 %	3	688	Kennedale	0.17 %	0.32 %	3
615	Holland	0.74 %	0.92 %	3	690	Kerens	0.32 %	0.34 %	3
616	Holliday	0.31 %	0.31 %	1	692	Kermit	0.31 %	0.49 %	3
617	Hollywood Park	0.21 %	0.34 %	3	10694	Kerrville	0.19 %	0.37 %	3
618	Hondo	0.19 %	0.35 %	3	20694	Kerrville PUB	0.18 %	0.35 %	3
620	Honey Grove	0.18 %	0.46 %	3	10696	Kilgore	0.25 %	0.49 %	3
622	Hooks	0.16 %	0.28 %	3	698	Killeen	0.19 %	0.33 %	3
623	Horizon City	0.18 %	0.19 %	3	700	Kingsville	0.23 %	0.39 %	1
626	Howe	0.20 %	0.56 %	3	701	Kirby	0.17 %	0.29 %	3
627	Hubbard	0.13 %	0.25 %	3	702	Kirbyville	0.28 %	0.72 %	3
628	Hudson	0.35 %	0.42 %	3	704	Knox City	0.51 %	0.77 %	3
629	Hudson Oaks	0.17 %	0.23 %	3	706	Kosse	0.16 %	0.21 %	3
630	Hughes Springs	0.41 %	0.45 %	3	708	Kountze	0.24 %	0.37 %	3
632	Humble	0.19 %	0.29 %	3	709	Kress	0.07 %	0.39 %	1
633	Hunters Creek Village	0.24 %	0.67 %	3	699	Krugerville	0.20 %	0.22 %	3
634	Huntington	0.27 %	0.44 %	3	707	Krum	0.19 %	0.22 %	3
636	Huntsville	0.23 %	0.40 %	3	710	Kyle	0.17 %	0.20 %	3
637	Hurst	0.20 %	0.36 %	1	725	La Coste	0.57 %	0.62 %	1
638	Hutchins	0.18 %	0.21 %	3	714	La Feria	0.24 %	0.46 %	3
640	Hutto	0.21 %	0.25 %	3	716	La Grange	0.34 %	0.52 %	3
641	Huxley	0.19 %	0.51 %	3	723	La Grulla	0.24 %	0.57 %	3
642	Idalou	0.14 %	0.14 %	3	732	La Joya	0.26 %	0.38 %	3
643	Ingleside	0.26 %	0.39 %	3	721	La Marque	0.20 %	0.34 %	3
646	Ingram	0.22 %	0.47 %	1	728	La Porte	0.19 %	0.30 %	3
647	Iowa Colony	0.14 %	0.19 %	3	731	La Vernia	0.21 %	0.28 %	3
644	Iowa Park	0.19 %	0.41 %	3	711	Lacy-Lakeview	0.18 %	0.32 %	3
645	Iraan	0.58 %	0.62 %	3	712	Ladonia	0.07 %	0.47 %	3
648	Irving	0.21 %	0.34 %	3	713	Lago Vista	0.29 %	0.40 %	3
650	Italy	0.41 %	0.53 %	3	705	Laguna Vista	0.27 %	0.28 %	3
652	Itasca	0.29 %	0.44 %	3	717	Lake Dallas	0.19 %	0.37 %	3
654	Jacinto City	0.47 %	0.59 %	3	718	Lake Jackson	0.22 %	0.41 %	3
656	Jacksboro	0.26 %	0.51 %	3	719	Lake Worth	0.17 %	0.26 %	3

*Codes indicating provision adopted as of April 1, 2022: 1 = None, 2 = Actives only, 3 = Actives and Retirees

Section 5
TEXAS MUNICIPAL RETIREMENT SYSTEM
CITY CONTRIBUTION RATES FOR 2023
SUPPLEMENTAL DEATH BENEFITS

CITY NO. CITY NAME	ACTIVES ONLY	ACTIVES & RETIREES	CODE*	CITY NO. CITY NAME	ACTIVES ONLY	ACTIVES & RETIREES	CODE*
727 Lakeport	0.48 %	0.61 %	3	804 Marion	0.69 %	1.05 %	3
715 Lakeside	0.46 %	0.60 %	3	806 Marlin	0.18 %	0.61 %	3
729 Lakeside City	0.25 %	0.58 %	3	808 Marquez	0.37 %	0.46 %	3
720 Lakeway	0.22 %	0.32 %	3	810 Marshall	0.23 %	0.57 %	3
722 Lamesa	0.40 %	0.67 %	1	812 Mart	0.18 %	0.50 %	3
724 Lampasas	0.22 %	0.37 %	3	813 Martindale	0.41 %	0.46 %	3
726 Lancaster	0.17 %	0.27 %	3	814 Mason	0.19 %	0.58 %	3
730 Laredo	0.20 %	0.34 %	3	816 Matador	0.69 %	0.81 %	3
733 Lavon	0.25 %	0.29 %	3	818 Mathis	0.19 %	0.46 %	3
736 League City	0.21 %	0.29 %	3	820 Maud	0.25 %	0.43 %	3
737 Leander	0.18 %	0.21 %	3	822 Maypearl	0.10 %	0.23 %	3
735 Lefors	0.27 %	0.27 %	3	824 McAllen	0.18 %	0.30 %	1
739 Leon Valley	0.23 %	0.44 %	3	826 McCamey	0.26 %	0.26 %	3
738 Leonard	0.14 %	0.47 %	3	828 McGregor	0.36 %	0.57 %	3
740 Levelland	0.21 %	0.33 %	3	830 McKinney	0.17 %	0.21 %	3
742 Lewisville	0.16 %	0.25 %	1	832 McLean	0.48 %	0.51 %	3
744 Lexington	0.14 %	0.35 %	1	833 McLendon-Chisholm	0.24 %	0.31 %	3
746 Liberty	0.19 %	0.27 %	1	834 Meadow	0.26 %	0.31 %	3
745 Liberty Hill	0.17 %	0.19 %	3	831 Meadowlakes	0.53 %	0.55 %	3
748 Lindale	0.22 %	0.30 %	1	835 Meadows Place	0.21 %	0.32 %	3
750 Linden	0.19 %	0.44 %	3	837 Melissa	0.16 %	0.22 %	3
749 Lindsay	0.30 %	0.30 %	3	1501 Memorial Villages PD	0.20 %	0.37 %	3
755 Lipan	0.26 %	0.33 %	3	840 Memphis	0.24 %	0.36 %	3
751 Little Elm	0.16 %	0.19 %	3	842 Menard	0.27 %	0.40 %	1
752 Littlefield	0.25 %	0.53 %	3	844 Mercedes	0.16 %	0.33 %	3
753 Live Oak	0.23 %	0.33 %	3	846 Meridian	0.25 %	0.30 %	3
757 Liverpool	0.35 %	0.35 %	3	848 Merkel	0.18 %	0.29 %	3
754 Livingston	0.27 %	0.42 %	3	852 Mertzon	0.22 %	0.34 %	3
756 Llano	0.39 %	0.82 %	3	854 Mesquite	0.20 %	0.35 %	1
758 Lockhart	0.25 %	0.40 %	3	856 Mexia	0.22 %	0.46 %	3
760 Lockney	0.50 %	0.50 %	3	858 Miami	0.69 %	0.69 %	3
764 Lone Oak	0.19 %	0.19 %	3	860 Midland	0.20 %	0.39 %	3
765 Lone Star	0.24 %	0.54 %	3	862 Midlothian	0.17 %	0.24 %	3
766 Longview	0.25 %	0.47 %	3	863 Milano	0.98 %	0.98 %	3
768 Loraine	0.10 %	0.12 %	3	864 Miles	0.38 %	0.38 %	3
769 Lorena	0.29 %	0.39 %	3	865 Milford	0.07 %	0.51 %	3
770 Lorenzo	0.13 %	0.19 %	1	868 Mineola	0.16 %	0.34 %	3
771 Los Fresnos	0.22 %	0.35 %	3	870 Mineral Wells	0.29 %	0.49 %	3
773 Lott	0.28 %	0.38 %	3	874 Mission	0.21 %	0.28 %	3
774 Lovelady	0.15 %	0.33 %	3	875 Missouri City	0.17 %	0.26 %	3
778 Lubbock	0.21 %	0.44 %	1	876 Monahans	0.25 %	0.38 %	3
779 Lucas	0.19 %	0.21 %	3	887 Mont Belvieu	0.20 %	0.23 %	3
782 Lufkin	0.24 %	0.49 %	3	877 Montgomery	0.19 %	0.26 %	3
784 Luling	0.29 %	0.53 %	3	878 Moody	0.22 %	0.42 %	3
785 Lumberton	0.27 %	0.48 %	3	883 Morgan's Point	0.20 %	0.35 %	2
786 Lyford	0.24 %	0.35 %	1	882 Morgan's Point Resort	0.17 %	0.38 %	3
787 Lytle	0.35 %	0.40 %	3	884 Morton	0.19 %	0.22 %	3
790 Madisonville	0.24 %	0.44 %	3	886 Moulton	0.25 %	0.47 %	3
791 Magnolia	0.20 %	0.33 %	3	890 Mount Enterprise	0.17 %	0.33 %	3
792 Malakoff	0.29 %	0.36 %	3	892 Mt. Pleasant	0.24 %	0.35 %	3
796 Manor	0.15 %	0.16 %	3	894 Mt. Vernon	0.25 %	0.40 %	3
798 Mansfield	0.17 %	0.24 %	3	896 Muenster	0.20 %	0.53 %	1
799 Manvel	0.17 %	0.21 %	3	898 Muleshoe	0.25 %	0.53 %	3
800 Marble Falls	0.19 %	0.34 %	3	901 Munday	0.29 %	0.54 %	3
802 Marfa	0.38 %	0.64 %	3	903 Murphy	0.20 %	0.27 %	3

*Codes indicating provision adopted as of April 1, 2022: 1 = None, 2 = Actives only, 3 = Actives and Retirees

Section 5
TEXAS MUNICIPAL RETIREMENT SYSTEM
CITY CONTRIBUTION RATES FOR 2023
SUPPLEMENTAL DEATH BENEFITS

<u>CITY</u>	<u>ACTIVES</u>	<u>ACTIVES &</u>	<u>CODE*</u>	<u>CITY</u>	<u>ACTIVES</u>	<u>ACTIVES &</u>	<u>CODE*</u>
<u>NO. CITY NAME</u>	<u>ONLY</u>	<u>RETIREEES</u>		<u>NO. CITY NAME</u>	<u>ONLY</u>	<u>RETIREEES</u>	
10904 Nacogdoches	0.20 %	0.39 %	3	983 Pearland	0.15 %	0.20 %	3
906 Naples	0.17 %	0.57 %	3	984 Pearsall	0.18 %	0.30 %	3
907 Nash	0.20 %	0.38 %	3	988 Pecos City	0.25 %	0.37 %	3
905 Nassau Bay	0.22 %	0.33 %	3	989 Pelican Bay	0.16 %	0.16 %	3
909 Natalia	0.20 %	0.32 %	3	991 Penitas	0.15 %	0.16 %	3
908 Navasota	0.21 %	0.37 %	3	994 Perryton	0.25 %	0.52 %	3
910 Nederland	0.22 %	0.39 %	1	1000 Pflugerville	0.18 %	0.23 %	3
912 Needville	0.53 %	0.77 %	3	1002 Pharr	0.14 %	0.22 %	3
914 New Boston	0.27 %	0.49 %	3	1004 Pilot Point	0.17 %	0.25 %	3
10916 New Braunfels	0.17 %	0.26 %	3	1005 Pinehurst	0.27 %	0.60 %	3
20916 New Braunfels Utilities	0.18 %	0.25 %	3	1003 Pineland	0.16 %	0.55 %	3
915 New Deal	0.13 %	0.24 %	1	1001 Piney Point Village	0.20 %	0.37 %	3
923 New Fairview	0.09 %	0.26 %	3	1006 Pittsburg	0.19 %	0.46 %	3
918 New London	0.29 %	0.45 %	1	1007 Plains	0.21 %	0.33 %	3
919 New Summerfield	0.26 %	0.28 %	1	1008 Plainview	0.22 %	0.53 %	1
917 New Waverly	0.47 %	0.62 %	3	1010 Plano	0.21 %	0.32 %	1
913 Newark	0.07 %	0.09 %	3	1012 Pleasanton	0.19 %	0.26 %	3
920 Newton	0.28 %	0.47 %	3	1013 Point	0.14 %	0.30 %	1
922 Nixon	0.17 %	0.34 %	3	1017 Ponder	0.66 %	0.82 %	3
924 Nocona	0.34 %	0.65 %	3	1014 Port Aransas	0.23 %	0.36 %	3
925 Nolanville	0.13 %	0.16 %	3	11016 Port Arthur	0.25 %	0.46 %	3
928 Normangee	0.41 %	0.60 %	3	1018 Port Isabel	0.17 %	0.39 %	3
931 North Richland Hills	0.18 %	0.29 %	1	1020 Port Lavaca	0.20 %	0.40 %	3
930 Northlake	0.15 %	0.17 %	3	1022 Port Neches	0.21 %	0.34 %	1
935 O'Donnell	0.15 %	0.36 %	3	1019 Portland	0.21 %	0.34 %	3
936 Oak Point	0.18 %	0.21 %	3	1024 Post	0.26 %	0.81 %	3
937 Oak Ridge North	0.24 %	0.32 %	3	1026 Poteet	0.23 %	0.40 %	3
942 Odem	0.33 %	0.58 %	3	1028 Poth	0.35 %	0.71 %	3
944 Odessa	0.23 %	0.41 %	3	1030 Pottsboro	0.22 %	0.40 %	3
945 Oglesby	0.08 %	0.54 %	3	1031 Prairie View	0.23 %	0.24 %	3
949 Old River-Winfree	0.30 %	0.30 %	1	1032 Premont	0.23 %	0.58 %	3
950 Olmos Park	0.16 %	0.31 %	1	1029 Presidio	0.21 %	0.29 %	3
951 Olney	0.21 %	0.34 %	3	1033 Primera	0.16 %	0.20 %	3
953 Omaha	0.29 %	0.36 %	3	1034 Princeton	0.18 %	0.22 %	3
954 Onalaska	0.13 %	0.18 %	3	1036 Prosper	0.17 %	0.18 %	1
958 Orange	0.24 %	0.44 %	1	1037 Providence Village	0.20 %	0.22 %	3
960 Orange Grove	0.24 %	0.42 %	3	1042 Quanah	0.26 %	0.55 %	3
957 Orchard	0.24 %	0.24 %	3	1045 Queen City	0.34 %	0.34 %	3
959 Ore City	0.14 %	0.22 %	3	1044 Quinlan	0.17 %	0.21 %	3
962 Overton	0.30 %	0.48 %	3	1047 Quintana	0.30 %	0.30 %	3
961 Ovilla	0.20 %	0.28 %	3	1046 Quitaque	0.30 %	0.55 %	3
963 Oyster Creek	0.19 %	0.35 %	3	1048 Quitman	0.30 %	0.47 %	3
964 Paducah	0.27 %	0.63 %	3	1050 Ralls	0.47 %	1.00 %	3
966 Palacios	0.21 %	0.44 %	3	1051 Rancho Viejo	0.14 %	0.20 %	3
968 Palestine	0.17 %	0.43 %	3	1052 Ranger	0.27 %	0.41 %	1
970 Palmer	0.13 %	0.17 %	3	1054 Rankin	0.10 %	0.22 %	3
969 Palmhurst	0.13 %	0.18 %	3	1055 Ransom Canyon	0.29 %	0.36 %	3
971 Palmview	0.14 %	0.15 %	3	1058 Raymondville	0.18 %	0.40 %	3
972 Pampa	0.18 %	0.44 %	3	1061 Red Oak	0.16 %	0.20 %	3
974 Panhandle	0.29 %	0.44 %	1	1062 Redwater	0.22 %	0.23 %	3
973 Panorama Village	0.30 %	0.55 %	3	1064 Refugio	0.26 %	0.47 %	1
975 Pantego	0.23 %	0.35 %	3	1065 Reklaw	0.21 %	0.78 %	3
976 Paris	0.24 %	0.51 %	3	1066 Reno (Lamar County)	0.19 %	0.20 %	3
977 Parker	0.19 %	0.28 %	3	1069 Reno (Parker County)	0.21 %	0.30 %	3
978 Pasadena	0.23 %	0.44 %	3	1067 Rhome	0.21 %	0.28 %	3

*Codes indicating provision adopted as of April 1, 2022: 1 = None, 2 = Actives only, 3 = Actives and Retirees

Section 5
TEXAS MUNICIPAL RETIREMENT SYSTEM
CITY CONTRIBUTION RATES FOR 2023
SUPPLEMENTAL DEATH BENEFITS

<u>CITY</u>	<u>ACTIVES</u>	<u>ACTIVES &</u>	<u>CODE*</u>	<u>CITY</u>	<u>ACTIVES</u>	<u>ACTIVES &</u>	<u>CODE*</u>
<u>NO. CITY NAME</u>	<u>ONLY</u>	<u>RETIREES</u>		<u>NO. CITY NAME</u>	<u>ONLY</u>	<u>RETIREES</u>	
1068 Rice	0.12 %	0.24 %	3	1161 Seabrook	0.19 %	0.29 %	3
1070 Richardson	0.20 %	0.36 %	1	1162 Seadrift	0.30 %	0.35 %	3
1073 Richland Hills	0.19 %	0.46 %	3	1164 Seagoville	0.20 %	0.33 %	3
1074 Richland Springs	0.06 %	0.85 %	3	1166 Seagraves	0.36 %	0.59 %	3
1076 Richmond	0.21 %	0.31 %	3	1167 Sealy	0.16 %	0.22 %	3
1077 Richwood	0.21 %	0.36 %	3	1168 Seguin	0.20 %	0.36 %	3
1072 Riesel	0.20 %	0.36 %	3	1169 Selma	0.16 %	0.20 %	3
1075 Rio Grande City	0.17 %	0.22 %	3	1170 Seminole	0.31 %	0.50 %	3
1079 Rio Vista	0.14 %	0.24 %	3	1171 Seven Points	0.28 %	0.48 %	3
1080 Rising Star	0.32 %	0.66 %	3	1172 Seymour	0.41 %	0.92 %	3
1082 River Oaks	0.22 %	0.51 %	3	1165 Shady Shores	0.14 %	0.14 %	3
1084 Roanoke	0.18 %	0.20 %	1	1177 Shallowater	0.15 %	0.23 %	3
1088 Robert Lee	0.05 %	0.41 %	3	1174 Shamrock	0.32 %	1.39 %	3
1089 Robinson	0.27 %	0.38 %	3	1173 Shavano Park	0.16 %	0.28 %	3
21090 Robstown	0.16 %	0.32 %	3	1175 Shenandoah	0.20 %	0.27 %	3
11090 Robstown Utility Systems	0.26 %	0.53 %	3	1181 Shepherd	0.21 %	0.35 %	3
1092 Roby	0.18 %	0.58 %	3	1176 Sherman	0.18 %	0.35 %	3
1096 Rockdale	0.33 %	0.55 %	3	1178 Shiner	0.29 %	0.83 %	3
1098 Rockport	0.24 %	0.39 %	3	1179 Shoreacres	0.32 %	0.50 %	3
1100 Rocksprings	0.18 %	0.20 %	1	1180 Silsbee	0.20 %	0.46 %	1
1102 Rockwall	0.19 %	0.24 %	3	1182 Silverton	0.09 %	0.48 %	3
1104 Rogers	0.36 %	0.81 %	1	1183 Simonton	0.08 %	0.08 %	3
1105 Rollingwood	0.31 %	0.43 %	3	1184 Sinton	0.19 %	0.40 %	3
1106 Roma	0.27 %	0.53 %	3	1185 Skellytown	0.27 %	0.27 %	3
1109 Roscoe	0.31 %	0.47 %	3	1186 Slaton	0.22 %	0.53 %	3
1112 Rosebud	0.30 %	0.69 %	3	1188 Smithville	0.30 %	0.55 %	3
1114 Rosenberg	0.13 %	0.21 %	3	1189 Smyer	0.34 %	0.34 %	3
1116 Rotan	0.38 %	0.92 %	3	1190 Snyder	0.26 %	0.49 %	3
1118 Round Rock	0.18 %	0.24 %	3	1191 Somerset	2.87 %	3.42 %	3
1119 Rowlett	0.20 %	0.27 %	1	1192 Somerville	0.19 %	0.42 %	3
1120 Royse City	0.18 %	0.24 %	3	1194 Sonora	0.18 %	0.48 %	3
1122 Rule	0.13 %	0.29 %	3	1196 Sour Lake	0.28 %	0.37 %	3
1123 Runaway Bay	0.17 %	0.32 %	3	1198 South Houston	0.27 %	0.56 %	3
1124 Runge	0.47 %	0.99 %	3	1199 South Padre Island	0.19 %	0.30 %	3
1126 Rusk	0.23 %	0.36 %	3	1197 Southlake	0.18 %	0.24 %	3
1128 Sabinal	0.42 %	0.76 %	3	1200 Southmayd	0.12 %	0.19 %	3
1129 Sachse	0.19 %	0.26 %	3	1202 Southside Place	0.24 %	0.53 %	3
1131 Saginaw	0.20 %	0.29 %	3	1204 Spearman	0.28 %	0.51 %	3
1130 Saint Jo	0.19 %	0.90 %	3	1201 Splendora	0.22 %	0.23 %	3
1133 Salado	0.29 %	0.43 %	3	1205 Spring Valley Village	0.18 %	0.30 %	3
1132 San Angelo	0.22 %	0.49 %	1	1203 Springtown	0.19 %	0.32 %	3
21136 San Antonio	0.22 %	0.42 %	1	1206 Spur	0.38 %	0.68 %	3
11136 San Antonio Water System	0.23 %	0.42 %	1	1207 Stafford	0.22 %	0.36 %	3
1138 San Augustine	0.23 %	0.57 %	3	1208 Stamford	0.35 %	0.69 %	3
1140 San Benito	0.23 %	0.51 %	3	1210 Stanton	0.26 %	0.31 %	3
1144 San Felipe	0.28 %	0.38 %	3	1211 Star Harbor	0.29 %	1.06 %	3
1148 San Juan	0.20 %	0.33 %	3	1212 Stephenville	0.19 %	0.38 %	3
1150 San Marcos	0.18 %	0.27 %	3	1213 Sterling City	0.25 %	0.38 %	1
1152 San Saba	0.29 %	0.46 %	3	1214 Stinnett	0.15 %	0.32 %	3
1146 Sanger	0.19 %	0.24 %	3	1216 Stockdale	0.56 %	0.64 %	3
1153 Sansom Park	0.17 %	0.23 %	3	1218 Stratford	0.34 %	0.51 %	3
1155 Santa Fe	0.19 %	0.33 %	1	1224 Sudan	0.23 %	0.36 %	1
1158 Savoy	0.19 %	0.47 %	3	1225 Sugar Land	0.18 %	0.24 %	3
1159 Schertz	0.16 %	0.22 %	3	1223 Sullivan City	0.09 %	0.09 %	3
1160 Schulenburg	0.27 %	0.43 %	3	1226 Sulphur Springs	0.23 %	0.44 %	3

*Codes indicating provision adopted as of April 1, 2022: 1 = None, 2 = Actives only, 3 = Actives and Retirees

Section 5
TEXAS MUNICIPAL RETIREMENT SYSTEM
CITY CONTRIBUTION RATES FOR 2023
SUPPLEMENTAL DEATH BENEFITS

<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &</u> <u>RETIREES</u>	<u>CODE*</u>	<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &</u> <u>RETIREES</u>	<u>CODE*</u>
1228 Sundown	0.23 %	0.58 %	3	1313 Valley View	0.19 %	0.21 %	3
1229 Sunnyvale	0.18 %	0.28 %	3	1314 Van	0.19 %	0.44 %	3
1230 Sunray	0.21 %	0.49 %	3	1316 Van Alstyne	0.21 %	0.31 %	3
1227 Sunrise Beach Village	0.17 %	0.34 %	3	1318 Van Horn	0.27 %	0.43 %	3
1231 Sunset Valley	0.15 %	0.22 %	3	1320 Vega	0.23 %	0.48 %	3
1233 Surfside Beach	0.19 %	0.28 %	3	1324 Venus	0.13 %	0.22 %	1
1232 Sweeny	0.19 %	0.66 %	3	1326 Vernon	0.23 %	0.56 %	3
1234 Sweetwater	0.23 %	0.43 %	3	1328 Victoria	0.17 %	0.43 %	3
1264 TMRS	0.26 %	0.33 %	3	1329 Vidor	0.24 %	0.48 %	3
1236 Taft	0.36 %	0.65 %	3	1500 Village Fire Department	0.18 %	0.26 %	3
1238 Tahoka	0.22 %	0.49 %	3	1327 Village of the Hills	0.11 %	0.11 %	3
1240 Talty	0.71 %	0.77 %	3	1330 Waco	0.20 %	0.40 %	1
1241 Tatum	0.19 %	0.34 %	3	1332 Waelder	0.19 %	0.54 %	3
1246 Taylor	0.21 %	0.35 %	3	1334 Wake Village	0.25 %	0.72 %	3
1248 Teague	0.11 %	0.39 %	3	1336 Waller	0.48 %	0.63 %	3
1252 Temple	0.19 %	0.37 %	3	1337 Wallis	0.27 %	0.39 %	3
1254 Tenaha	0.09 %	0.65 %	3	1338 Walnut Springs	0.21 %	0.37 %	3
1256 Terrell	0.21 %	0.38 %	3	1340 Waskom	0.19 %	0.38 %	3
1258 Terrell Hills	0.16 %	0.30 %	3	1341 Watauga	0.19 %	0.32 %	3
31263 Tex Municipal League IEBP	0.27 %	0.31 %	3	1342 Waxahachie	0.21 %	0.30 %	3
21263 Tex Municipal League IRP	0.27 %	0.33 %	3	1344 Weatherford	0.18 %	0.33 %	3
21260 Texarkana	0.24 %	0.60 %	1	1345 Webster	0.25 %	0.36 %	3
11260 Texarkana Police Dept	0.12 %	0.24 %	1	1346 Weimar	0.25 %	0.56 %	3
31260 Texarkana Water Utilities	0.25 %	0.51 %	1	1350 Wellington	0.36 %	0.79 %	3
1262 Texas City	0.23 %	0.46 %	1	1352 Wells	0.29 %	0.32 %	1
11263 Texas Municipal League	0.24 %	0.40 %	3	1354 Weslaco	0.18 %	0.36 %	3
1267 The Colony	0.18 %	0.26 %	3	1356 West	0.21 %	0.44 %	3
1269 Thompsons	0.53 %	0.56 %	3	1358 West Columbia	0.21 %	0.28 %	1
1268 Thorndale	0.34 %	0.52 %	3	1359 West Lake Hills	0.21 %	0.44 %	3
1272 Thrall	0.65 %	0.70 %	3	1361 West Orange	0.26 %	0.47 %	1
1274 Three Rivers	0.80 %	0.98 %	3	1365 West Tawakoni	0.22 %	0.51 %	3
1276 Throckmorton	0.14 %	0.58 %	3	1364 West Univ. Place	0.20 %	0.36 %	3
1277 Tiki Island	0.42 %	0.47 %	3	1363 Westlake	0.18 %	0.21 %	3
1278 Timpson	0.19 %	0.56 %	3	1362 Westover Hills	0.26 %	0.60 %	3
1280 Tioga	0.30 %	0.30 %	3	1366 Westworth Village	0.24 %	0.35 %	3
1283 Tolar	0.16 %	0.30 %	3	1368 Wharton	0.24 %	0.39 %	3
1286 Tom Bean	0.16 %	0.23 %	3	1370 Wheeler	0.15 %	0.33 %	3
1284 Tomball	0.18 %	0.30 %	3	1372 White Deer	0.64 %	1.41 %	3
1290 Trent	0.81 %	0.81 %	3	1377 White Oak	0.26 %	0.49 %	3
1292 Trenton	0.29 %	0.58 %	3	1378 White Settlement	0.16 %	0.32 %	3
1293 Trinidad	0.37 %	0.63 %	3	1374 Whiteface	0.34 %	1.58 %	3
1294 Trinity	0.55 %	0.74 %	3	1375 Whitehouse	0.20 %	0.34 %	3
1295 Trophy Club	0.23 %	0.31 %	3	1376 Whitesboro	0.29 %	0.38 %	3
1296 Troup	0.25 %	0.50 %	3	1380 Whitewright	0.12 %	0.36 %	3
1297 Troy	0.54 %	0.77 %	3	1382 Whitney	0.25 %	0.36 %	3
1298 Tulia	0.20 %	0.41 %	3	1384 Wichita Falls	0.24 %	0.49 %	1
1299 Turkey	0.30 %	0.87 %	3	1386 Willis	0.22 %	0.39 %	3
1300 Tuscola	0.13 %	0.13 %	3	1387 Willow Park	0.20 %	0.24 %	3
1301 Tye	0.18 %	0.32 %	3	1388 Wills Point	0.14 %	0.46 %	3
1304 Tyler	0.22 %	0.44 %	3	1390 Wilmer	0.14 %	0.18 %	3
1307 Umland	0.20 %	0.20 %	3	1392 Wimberley	0.33 %	0.44 %	3
1305 Universal City	0.18 %	0.27 %	3	1393 Windcrest	0.18 %	0.31 %	3
1306 University Park	0.24 %	0.37 %	1	1395 Winfield	0.55 %	0.55 %	3
1308 Uvalde	0.19 %	0.35 %	3	1396 Wink	0.42 %	0.52 %	3
1312 Valley Mills	0.15 %	0.17 %	3	1398 Winnsboro	0.21 %	0.39 %	3

*Codes indicating provision adopted as of April 1, 2022: 1 = None, 2 = Actives only, 3 = Actives and Retirees

Section 5
TEXAS MUNICIPAL RETIREMENT SYSTEM
CITY CONTRIBUTION RATES FOR 2023
SUPPLEMENTAL DEATH BENEFITS

CITY <u>NO.</u> <u>CITY NAME</u>	ACTIVES <u>ONLY</u>	ACTIVES & <u>RETIREES</u>	<u>CODE*</u>	CITY <u>NO.</u> <u>CITY NAME</u>	ACTIVES <u>ONLY</u>	ACTIVES & <u>RETIREES</u>	<u>CODE*</u>
1399 Winona	0.29 %	0.57 %	3				
1400 Winters	0.14 %	1.00 %	3				
1403 Wolfforth	0.14 %	0.22 %	3				
1409 Woodcreek	0.45 %	0.59 %	3				
1404 Woodsboro	0.18 %	0.26 %	3				
1406 Woodville	0.26 %	0.47 %	3				
1407 Woodway	0.19 %	0.27 %	3				
1408 Wortham	0.12 %	0.17 %	3				
1410 Wylie	0.16 %	0.20 %	3				
1412 Yoakum	0.27 %	0.49 %	3				
1414 Yorktown	0.34 %	0.99 %	3				
1415 Zavalla	0.19 %	0.22 %	1				

*Codes indicating provision adopted as of April 1, 2022: 1 = None, 2 = Actives only, 3 = Actives and Retirees

SECTION 6

SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

Section 6

Texas Municipal Retirement System (“TMRS”) Summary of Actuarial Assumptions

These actuarial assumptions were developed primarily from the actuarial investigation of the experience of TMRS over the four year period from December 31, 2014 to December 31, 2018. They were adopted in 2019 and first used in the December 31, 2019 actuarial valuation. The post-retirement mortality assumption for Annuity Purchase Rates (APRs) is based on the Mortality Experience Investigation Study covering 2009 through 2011 and dated December 31, 2013. These assumptions apply to both the Pension Trust and the Supplemental Death Benefits Fund as applicable.

I. Economic Assumptions

- A. General Inflation – General Inflation is assumed to be 2.50% per year.

- B. Discount/Crediting Rates
 - 1. System-wide Investment Return Assumption: 6.75% per year, compounded annually, composed of an assumed 2.50% inflation rate and a 4.25% net real rate of return. This rate represents the assumed return, net of all investment and administrative expenses. This is the discount rate used to value the liabilities of the individual employers.

 - 2. For the Supplemental Death Benefits Fund, the rate is 4.25% per year, compounded annually, and derived as a blend of 5.00% for the portion of the benefits financed by advance funding contributions and a short-term interest rate for the portion of the benefits financed by current contributions.

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

- C. Overall Payroll Growth – 2.75% per year, which is used to calculate the contribution rates for the retirement plan of each participating city as a level percentage of payroll. This represents the expected increase in total payroll. This increase rate is solely due to the effect of wage inflation on salaries, with no allowance for future membership growth. However, for cities with a decrease in the number of contributing members from 2008 to 2018, the payroll growth is decreased by half the annual percentage decrease in the count capped at a 1.0% decrease per year and rounded down to the nearest 0.1%.

D. Individual Salary Increases –

Salary increases are assumed to occur once a year, on January 1. Therefore, the pay used for the period year following the valuation date is equal to the reported pay for the prior year, increased by the salary increase assumption. Salaries are assumed to increase by the following graduated service-based scale.

<u>Years of Service</u>	<u>Rate (%)</u>
1	11.50%
2	7.25%
3	6.75%
4	6.25%
5	6.00%
6	5.75%
7	5.50%
8	5.25%
9	5.00%
10	4.75%
11-12	4.50%
13-15	4.25%
16-20	4.00%
21-24	3.75%
25 +	3.50%

- E. Annuity Increase – The Consumer Price Index (CPI) is assumed to be 2.50% per year prospectively. Annuity Increases, when applicable, are 30%, 50%, or 70% of CPI, according to the provisions adopted by each city. The actual future COLA assumptions are as follows: 0.87% per year for the 30% CPI provision, 1.38% per year for the 50% CPI provision, and 1.86% per year for the 70% CPI provision.
- F. Load for Updated Service Credit – To reflect the asymmetric nature of the credits due to the USC provision, there is a load on the final average earnings used in the calculation of 0.1% per year into the future that the calculation is performed.

II. Demographic Assumptions

A. Termination Rates

1. For the first 10 years of service, the base table rates vary by gender, entry age, and length of service. For each city the base table is then multiplied by 75% to 125%. A further multiplier is applied depending on an employee's classification: 1) Fire – 68%, 2) Police – 86%, or 3) Other – 108%. A sample of the base rates follows:

Males

Age	Service									
	0	1	2	3	4	5	6	7	8	9
20	0.3079	0.2766	0.2305	0.2037	0.1951	0.1764	0.1612	0.1311	0.1078	0.0860
25	0.2798	0.2393	0.1911	0.1638	0.1507	0.1336	0.1210	0.1060	0.0976	0.0798
30	0.2585	0.2163	0.1697	0.1395	0.1138	0.1052	0.0945	0.0817	0.0785	0.0655
35	0.2642	0.2183	0.1663	0.1334	0.1107	0.1048	0.0894	0.0758	0.0655	0.0598
40	0.2602	0.2172	0.1647	0.1279	0.1103	0.0994	0.0849	0.0749	0.0633	0.0608
45	0.2392	0.2040	0.1640	0.1287	0.1110	0.0976	0.0857	0.0750	0.0638	0.0607
50	0.2191	0.1825	0.1489	0.1211	0.1072	0.0935	0.0851	0.0755	0.0636	0.0609
55	0.2112	0.1759	0.1334	0.1132	0.0908	0.0911	0.0813	0.0719	0.0643	0.0591
60	0.2108	0.1626	0.1298	0.1118	0.0833	0.0915	0.0794	0.0721	0.0602	0.0579
65	0.2109	0.1542	0.1305	0.1121	0.0847	0.0914	0.0798	0.0738	0.0577	0.0581
70	0.2109	0.1557	0.1304	0.1121	0.0845	0.0914	0.0797	0.0735	0.0581	0.0581

Females

Age	Service									
	0	1	2	3	4	5	6	7	8	9
20	0.3080	0.2836	0.2258	0.2132	0.2030	0.2054	0.1561	0.1565	0.1590	0.1600
25	0.2828	0.2449	0.2101	0.1995	0.1739	0.1690	0.1392	0.1375	0.1206	0.1144
30	0.2617	0.2224	0.1981	0.1791	0.1369	0.1370	0.1297	0.1145	0.0989	0.0817
35	0.2464	0.2153	0.1834	0.1462	0.1294	0.1258	0.1130	0.1103	0.1016	0.0782
40	0.2281	0.2026	0.1641	0.1365	0.1316	0.1115	0.1040	0.0940	0.0847	0.0745
45	0.2227	0.1884	0.1450	0.1359	0.1072	0.1034	0.0909	0.0797	0.0717	0.0737
50	0.2238	0.1823	0.1369	0.1249	0.0901	0.0896	0.0837	0.0735	0.0686	0.0628
55	0.2236	0.1766	0.1372	0.1218	0.0848	0.0819	0.0725	0.0717	0.0696	0.0560
60	0.2236	0.1548	0.1372	0.1191	0.0811	0.0856	0.0656	0.0649	0.0436	0.0386
65	0.2236	0.1454	0.1372	0.1169	0.0813	0.0871	0.0678	0.0603	0.0281	0.0285
70	0.2236	0.1471	0.1372	0.1173	0.0813	0.0868	0.0675	0.0611	0.0308	0.0303

2. After 10 years of service, base termination rates vary by gender and by the number of years remaining until first retirement eligibility. For each city the base table is then multiplied by 75% to 125%. A further multiplier is applied depending on an employee's classification: 1) Fire – 54%, 2) Police – 83%, or 3) Other – 113%. A sample of the base rates follows:

Years from Retirement	Male	Female
1	1.82%	2.34%
2	2.43%	3.15%
3	2.87%	3.75%
4	3.24%	4.25%
5	3.55%	4.67%
6	3.83%	5.06%
7	4.08%	5.40%
8	4.32%	5.72%
9	4.53%	6.02%
10	4.74%	6.30%
11	4.93%	6.57%
12	5.11%	6.82%
13	5.28%	7.06%
14	5.45%	7.28%
15	5.60%	7.50%

Termination rates end at first eligibility for retirement

- B. Forfeiture Rates (Withdrawal of Member Deposits from TMRS) for vested members vary by age and employer match, and they are expressed as a percentage of the termination rates shown in (A). The withdrawal rates for cities with a 2-to-1 match are shown below. 4% is added to the rates for 1½-to-1 cities, and 8% is added for 1-to-1 cities.

Age	Percent of Terminating Employees Choosing to Take a Refund
25	40.2%
30	40.2%
35	40.2%
40	37.0%
45	31.6%
50	26.1%
55	20.7%

Forfeiture rates end at first eligibility for retirement.

C. Service Retirees and Beneficiary Mortality Rates

For calculating the actuarial liability and the retirement contribution rates, the Gender-distinct 2019 Municipal Retirees of Texas mortality tables. The rates are projected on a fully generational basis by Scale UMP to account for future mortality improvements. The life expectancies for a 65 year old retiree (including projection) are as follows:

Life Expectancy for an Age 65 Retiree (in Years)					
Gender	Year of Retirement				
	2020	2025	2030	2035	2040
Male	19.7	20.1	20.5	20.9	21.3
Female	23.2	23.6	24.0	24.3	24.7

D. Disabled Annuitant Mortality Rates

For calculating the actuarial liability and the retirement contribution rates, the mortality tables for healthy retirees is used with a 4 year set-forward for males and a 3 year set-forward for females. In addition, a 3.5% and 3% minimum mortality rate will be applied to reflect the impairment for younger members who become disabled for males and females, respectively. The rates are projected on a fully generational basis by Scale UMP to account for future mortality improvements subject to the floor.

E. Pre-Retirement Mortality

For calculating the actuarial liability and the retirement contribution rates, the PUB(10) mortality tables, with the Public Safety table used for males and the General Employee table used for females. The rates are projected on a fully generational basis by Scale UMP to account for future mortality improvements.

F. Annuity Purchase Rates

For determining the amount of the monthly benefit at the time of retirement for both healthy and disabled annuitants, the annuity purchase rates (APRs) until 2027 are based on a mortality study performed in 2013, with the factors phasing into being based on a unisex blend of the RP-2000 Combined Healthy Mortality Tables with Blue Collar Adjustment for males and females with both male and female rates multiplied by 107.5% and projected on a fully generational basis with scale BB. The current table of APRs is explicitly valued through 2032 and then it is assumed the APRs and the valuation mortality assumptions will be consistent over time. For members, a unisex blend of 70% of the males table and 30% of the female table is used, while 30% of the male table and 70% of the female table is used for beneficiaries.

G. Disability Rates

Age	Males & Females
20	0.000003
25	0.000019
30	0.000074
35	0.000194
40	0.000371
45	0.000603
50	0.000891
55	0.001235
60	0.001635
65	0.002090

H. Service Retirement Rates, applied to both Active and Inactive Members

The base table rates vary by age. For members under the age of 62, these rates are then multiplied by 2 factors based on 1) employee contribution rate and employer match and 2) if the city has a recurring COLA.

Age	
<50	0.05
50-51	0.07
52-54	0.08
55-59	0.13
60	0.16
61	0.17
62	0.25
63-64	0.20
65-74	0.30
75 and over	1.00

Note: For cities without a 20-year/any age retirement provision, the rates are loaded by 50% for ages 60 & below with 25 or more years of service.

Plan Design Factors Applied to Base Retirement Rates

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

Recurring COLA: 100%

No Recurring COLA: 95%

III. Methods and Assumptions

- A. Valuation of Assets – The actuarial value of assets is based on the market value of assets with a ten-year phase-in of actual investment return in excess of (less than) expected investment income. Offsetting unrecognized gains and losses are immediately recognized, with the shortest remaining bases recognized first and the net remaining bases continue to be recognized on their original timeframe. The actuarial value of assets is further adjusted by 33% of any difference between the initial value and a 12% corridor around the market value of assets, if necessary.
- B. Actuarial Cost Method: The actuarial cost method being used is known as the Entry Age Normal Actuarial Cost Method. The Entry Age Normal Actuarial Cost Method develops the annual cost of the Plan in two parts: that attributable to benefits accruing in the current year, known as the normal cost, and that due to service earned prior to the current year, known as the amortization of the unfunded actuarial accrued liability. The normal cost and the actuarial accrued liability are calculated individually for each member. The normal cost rate for an employee is the contribution rate which, if applied to a member’s compensation throughout their period of anticipated covered service with the City, would be sufficient to meet all benefits payable on their behalf. The normal cost is calculated using an entry age based on benefit service with the current city. If a member has additional time-only vesting service through service with other TMRS cities or other public agencies, they retain this for determination of benefit eligibility and decrement rates. The salary-weighted average of these rates is the total normal cost rate. The unfunded actuarial accrued liability reflects the difference between the portion of projected benefits attributable to service credited prior to the valuation date and assets already accumulated. The unfunded actuarial accrued liability is paid off in accordance with a specified amortization procedure outlined in C below.
- C. Amortization Policy: For “underfunded” cities the amortization as of the valuation date is a level percentage of payroll over a closed period using the process of “laddering”. Bases that existed prior to this valuation continue to be amortized on their original schedule. Beginning December 31, 2020, new loss bases for cities with fifteen or more employees are amortized over individual periods of not more than 20 years. New gains (including lump sum contributions) are offset against and amortized over the same period as the current largest outstanding loss base for the specific City which in turn decreases contribution rate volatility.

Once a City reaches an “overfunded” status, all prior bases are erased and an amount of the surplus is credited against the contribution rate to keep the funded ratio constant year over year.

Ad hoc benefit enhancements are amortized over individual periods using a level dollar policy. The period will be based on the minimum of 12 years or the current life expectancy of the covered group. However, if the non-ad hoc (level percent) amortization factor is smaller due to a shorter amortization period based on the employer's size, as described below, ad hoc enhancements will be amortized the same as any other loss.

- D. Small City Methodology – For cities with fewer than twenty employees, more conservative methods and assumptions are used. First, lower termination rates are used for smaller cities, with maximum multipliers of 75% for employers with less than 6 members, 85% for employers with 6 to 10 members, 100% for employers with 11 to 15 members, and 115% for employers with less than 100 members.

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

For underfunded plans, the maximum period for amortizing losses is decreased by 1 year for each active member less than the 15 member threshold. For example, an employer with 8 active members and a current maximum amortization period of 20 will use $(20 - (15 - 8)) = 13$ year amortization period for a loss in that year's valuation. Under this policy, the lowest amortization period will be $20 - (15 - 1) = 6$ years. Once the plan is overfunded, the amortization period will revert back to the standard policy.

- E. Supplemental Death Benefit Fund – The contribution rate for the Supplemental Death Benefit (SDB) is equal to the expected benefit payments during the upcoming year divided by the annualized pay of current active members and is calculated separately for actives and retirees. The SDB rate for retiree coverage is equal to the expected term cost.

Given that SDB claims rose significantly in 2021, the TMRS Board adopted a margin for adverse experience applicable for the 2023 SDB rates. A load equal to 2.0 and 1.1 is applied to the term cost for active coverage and retiree coverage, respectively, and is applicable for the contribution rates for 2023 only. Additionally, for 2023 rates, the small credit previously applied to the SDB rate for active coverage was removed.

IV. Other Assumptions

1. Valuation payroll (used for determining the amortization contribution rate): A weighted average of the actual payroll during the prior fiscal years, with 33% weight given to the most recent year and 67% weight given to the expected payroll for the previous fiscal year, moved forward with one year's payroll growth rate and adjusted for changes in population.

2. Individual salaries used to project benefits: For members with more than three years of service, actual salaries from the past three fiscal years are used to determine the USC final average salary as of the valuation date. For future salaries, this three-year average is projected forward with two years of salary scale to create the salary for the year following the valuation. This value is then projected with normal salary scales.
3. Timing of benefit payments: Benefit payments are assumed to be made in the middle of the month. Although TMRS benefits are paid at the end of the month, eligibility for that payment is determined at the beginning of the month. A middle of month payment approximates the impact of the combination of eligibility determination and actual payment timing.
4. Percent married: 100% of the employees are assumed to be married.
5. Age difference: Male members are assumed to be three years older than their spouses, and female members are assumed to be three years younger than their spouses.
6. Optional Forms: All healthy and disabled members are assumed to choose a 50% Joint and Survivor option when they retire. For healthy members, this is approximated by reducing the benefit payment by a factor equal to 2.1% at age 60 (with adjustments by age). The 2.1% is effective for the 2019 calendar year and will reduce by 10% each year until the phase into the APR rates is complete, at which time there will be no need for such factor.
7. Percent electing annuity on death (when eligible): For vested members not eligible for retirement, 75% of the spouses of male members and 70% of the spouses of female members are assumed to commence an immediate benefit in lieu of a deferred annuity or a refund. Those not electing an immediate benefit are assumed to take a refund. All of the spouses of married participants who die after becoming eligible for a retirement benefit are assumed to elect an annuity that commences immediately.
8. Partial Lump Sum Utilization: It is assumed that each member at retirement will withdraw 40% of their eligible account balance.
9. Inactive Population: All non-vested members of a city are assumed to take an immediate refund if they are not contributing members in another city. Vested members not contributing in another city are assumed to take a deferred retirement benefit, except for those who have terminated in the past 12 months for whom one year of forfeiture probability is assumed. The forfeiture rates for inactive members of a city who are contributing members in another city are equal to the probability of termination multiplied by the forfeiture rates shown in II(A) and II(B) respectively. These rates are applied each year until retirement eligibility. Once a member is retirement eligible, they are assumed to commence benefits based on the service retirement rates shown in II(H).
10. There will be no recoveries once disabled.

11. No surviving spouse will remarry and there will be no children's benefit.
12. Decrement timing: Decrements of all types are assumed to occur mid-year.
13. Eligibility testing: Eligibility for benefits is determined based upon the age nearest birthday and service nearest whole year on the date the decrement is assumed to occur.
14. Decrement relativity: Decrement rates are used directly from the experience study, without adjustment for multiple decrement table effects.
15. Incidence of Contributions: Contributions are assumed to be received continuously throughout the year based upon the computed percent of payroll shown in this report, and the actual payroll payable at the time contributions are made.
16. Benefit Service: All members are assumed to accrue 1 year of eligibility service each year.
17. The decrement rates for service related decrements are based on total TMRS eligibility service.

V. Participant Data

Participant data was supplied in electronic text files. There were separate files for (i) active and inactive members, and (ii) members and beneficiaries receiving benefits.

The data for active members included birthdate, gender, service with the current city and total vesting service, salary, employee contribution account balances, as well as the data used in the next calculation of the Updated Service Credit (USC). For retired members and beneficiaries, the data included date of birth, gender, spouse's date of birth (where applicable), amount of monthly benefit, date of retirement, form of payment code, and aggregate increase in the CPI that will be used in the next calculation of the cost of living adjustment.

To the extent possible we have made use of all available data fields in the calculation of the liabilities stated in this report. Actual CPI is used to model the wear-away effect or "catch-up" when a city changes its COLA provisions. Adjustments are made for members who have service both in a city with "20 and out" retirement eligibility and one that hasn't adopted it to calculate the earliest possible retirement date.

Salary supplied for the current year was based on the annualized earnings for the year preceding the valuation date.

Assumptions were made to correct for missing, bad, or inconsistent data. These had no material impact on the results presented.

SECTION 7

SUMMARY OF BENEFIT PROVISIONS

Section 7

Texas Municipal Retirement System Summary of Plan Benefit Provisions

The plan provisions are adopted by the governing body of each city, within the options available in the state statutes governing TMRS. Members in most cities can retire at age 60 and above with 5 or more years of service or with 20 years of service regardless of age. Some cities have elected retirement eligibility at age 60 with 10 years of service and/or with 25 years of service regardless of age. Most plans also provide death benefits and all provide disability benefits. Effective January 1, 2002, Members are vested after 5 years, unless a city opted to maintain 10-year vesting. Members may work for more than one TMRS city during their career. If an individual has become vested in one TMRS city, he or she is immediately vested upon employment with another TMRS city. Similarly, once a Member has met the eligibility requirements for retirement in a TMRS city, he or she is eligible in other TMRS cities as well.

Upon retirement, benefits depend on the sum of the Member's contributions, with interest, and the city-financed monetary credits, with interest. City-financed monetary credits are composed of three sources: Prior Service Credits, Current Service Credits, and Updated Service Credits. The available Member contribution rates are 5%, 6%, or 7% (some cities were grandfathered at a 3% rate), while the city's matching ratio will be 100%, 150%, or 200%. The balance at the beginning of each year is granted an interest credit as determined by the Board (Member account balances are guaranteed at least 5% interest).

- **Prior Service Credits:** At the inception of each city's plan, the city granted monetary credits for service rendered before the plan began of a percentage, adopted by the city, of a theoretical amount at least equal to two times what would have been contributed by the Member, with interest (3% annual), prior to establishment of the plan.
- **Current Service Credits:** Monetary credits for service since each plan began are a percent of the Member's accumulated contributions based on the city's matching rate in effect at the time the Member contributions are made.
- **Updated Service Credit (USC):** This monetary credit is determined by recalculating the Member's account balance by assuming that the current Member contribution rate of the currently employing city has always been in effect to create a hypothetical balance. The computation also assumes that the Member's salary has always been the Member's average salary during the 36-month period ending 13 months before the effective date of calculation. This hypothetical account balance is increased by 3% each year (not the actual interest credited to Member accounts in previous years), and increased by the city match currently in effect. The resulting sum is then compared to the Member's actual account



balance increased by the actual city match and actual interest credited. If the hypothetical balance exceeds the actual balance and the difference between them exceeds the current USC or Prior Service Credit, the Member is granted a monetary credit (the new USC) equal to the difference between the hypothetical balance and the actual balance. The calculation may be done on a repeating or an ad hoc basis.

At retirement, the benefit is calculated as if the sum of the Member's contributions with interest and the city-financed monetary credits with interest were used to purchase an annuity. Members may choose to receive their retirement benefit in one of seven payment options: retiree life only; one of three lifetime survivor options; or one of three guaranteed term options. Members may also choose to receive a portion of their benefit as a Partial Lump Sum Distribution (PLSD) in an amount equal to 12, 24, or 36 monthly payments under the retiree life only option, which cannot exceed 75% of the total Member contributions and interest. A participating city may elect to increase the annuities of its retirees, either annually or on an annually repeating basis, effective January 1 of a calendar year. Cities may adopt annuity increases at a rate equal to either 30%, 50%, or 70% of the increase (if any) in the Consumer Price Index — all Urban Consumers (CPI-U) between the December preceding the Member's retirement date and the December 13 months before the effective date of the increase, minus any previously granted increases.

Section 7

Texas Municipal Retirement System

Summary of Benefit Provision Changes Reflected in 12/31/2021 Valuation

City	Changes
Anahuac	Adopted 20 yr, any age retirement eligibility.
Andrews	Adopted 5 year vesting.
Arcola	Adopted restricted prior service credit. *
Arp	1) Increased city matching ratio from 1 - 1 to 1.5 - 1. 2) Increased statutory max to 11.50% due to plan changes. 3) Adopted buy-back provision. *
Balcones Heights	Adopted 30% repeating COLA.
Ballinger	1) Increased Member contribution rate from 5% to 7%. 2) Adopted buy-back provision. * 3) Removed statutory max.
Breckenridge	Adopted restricted prior service credit. *
Brenham	Adopted 70% repeating COLA.
Bridge City	Adopted buy-back provision. *
Bullard	1) Increased Member contribution rate from 6% to 7%. 2) Removed statutory max.
Cactus	Adopted 100% repeating USC with transfer.
Calvert	1) Adopted 100% repeating USC with transfer. 2) Adopted 70% repeating COLA. 3) Increased Member contribution rate from 5% to 7%. 4) Increased city matching ratio from 1 - 1 to 2 - 1.
Chandler	Increased city matching ratio from 1.5 - 1 to 2 - 1.
Cottonwood Shores	1) Adopted 100% repeating USC with transfer. 2) Increased Member contribution rate from 5% to 6%.
De Leon	1) Increased city matching ratio from 1 - 1 to 1.5 - 1. 2) Increased statutory max to 9.50% due to plan changes.
Eustace	Adopted 20 yr, any age retirement eligibility.
Everman	Adopted buy-back provision. *
Floresville	Adopted buy-back provision. *
Grandview	Adopted buy-back provision. *
Gun Barrel City	1) Increased Member contribution rate from 5% to 7%. 2) Increased statutory max to 13.50% due to plan changes.
Gunter	1) Adopted 100% repeating USC with transfer. 2) Adopted 70% repeating COLA. 3) Increased Member contribution rate from 5% to 7%.
Hallsville	1) Increased Member contribution rate from 5% to 7%. 2) Increased city matching ratio from 1 - 1 to 1.5 - 1.
Harlingen	1) Granted 50% ad hoc USC with transfer. 2) Reopened plan to all current and future employees.
Harlingen Waterworks Sys	1) Granted 50% ad hoc USC with transfer. 2) Increased city matching ratio from 1 - 1 to 2 - 1. 3) Reopened plan to all current and future employees.
Hedwig Village	Increased Member contribution rate from 5% to 7%.
Hitchcock	1) Adopted 50% repeating USC with transfer. 2) Adopted 20 yr, any age retirement eligibility. 3) Increased Member contribution rate from 5% to 6%. 4) Increased statutory max to 12.50% due to plan changes.
Holliday	1) Granted 100% ad hoc USC with transfer. 2) Increased Member contribution rate from 5% to 7%. 3) Removed statutory max.
Horizon City	Adopted restricted prior service credit. *
Howe	Adopted 20 yr, any age retirement eligibility.
Huntsville	Increased repeating USC from 50% to 75%.

* Reflects possible rate impact. No change to current rate.

Section 7

Texas Municipal Retirement System

Summary of Benefit Provision Changes Reflected in 12/31/2021 Valuation

City	Changes
Hurst	1) Granted 30% ad hoc COLA.
Hutchins	2) Adopted buy-back provision. *
Huxley	1) Decreased repeating USC from 100% to 50%. 2) Decreased repeating COLA from 70% to 30%. 3) Increased city matching ratio from 1.5 - 1 to 2 - 1. 4) Increased statutory max to 13.50% due to plan changes.
Jacinto City	1) Granted 50% ad hoc USC with transfer.
Kenedy	2) Granted 30% ad hoc COLA. 3) Adopted 20 yr, any age retirement eligibility. 4) Increased city matching ratio from 1.5 - 1 to 2 - 1. 5) Increased statutory max to 11.50% due to plan changes. Increased Member contribution rate from 5% to 6%.
Kountze	1) Adopted 20 yr, any age retirement eligibility. 2) Increased city matching ratio from 1 - 1 to 2 - 1. 3) Increased statutory max to 11.50% due to plan changes.
La Vernia	1) Adopted 50% repeating USC.
Lavon	2) Adopted 30% repeating COLA. 3) Increased city matching ratio from 1 - 1 to 1.5 - 1. Adopted restricted prior service credit. *
Leonard	1) Adopted 100% repeating USC with transfer. 2) Adopted 70% repeating COLA.
Little Elm	1) Increased city matching ratio from 1 - 1 to 1.5 - 1. 2) Increased statutory max to 11.50% due to plan changes.
Longview	Removed statutory max.
Manvel	Granted 50% ad hoc COLA.
Marble Falls	1) Granted 100% ad hoc USC with transfer. 2) Granted 70% ad hoc COLA. 3) Adopted restricted prior service credit. *
McGregor	1) Adopted 30% repeating COLA. 2) Adopted buy-back provision. *
Meadows Place	3) Increased statutory max to 15.50% due to plan changes.
Melissa	1) Increased Member contribution rate from 6% to 7%. 2) Increased statutory max to 13.50% due to plan changes.
Mesquite	1) Granted 100% ad hoc USC.
Missouri City	2) Granted 70% ad hoc COLA.
Mount Enterprise	Adopted 70% repeating COLA.
New Fairview	Granted 50% ad hoc COLA.
Nolanville	1) Granted 100% ad hoc USC with transfer. 2) Granted 70% ad hoc COLA.
Paris	Increased Member contribution rate from 5% to 7%.
Parker	Increased city matching ratio from 1 - 1 to 2 - 1.
Pharr	1) Increased city matching ratio from 1 - 1 to 2 - 1. 2) Adopted restricted prior service credit. *
Port Isabel	Increased Member contribution rate from 6% to 7%.
Port Neches	Removed statutory max.
Portland	Adopted 100% repeating USC.
	1) Increased Member contribution rate from 5% to 7%. 2) Increased statutory max to 11.50% due to plan changes.
	Granted 30% ad hoc COLA.
	1) Adopted 5 year vesting. 2) Increased Member contribution rate from 6% to 7%. 3) Adopted restricted prior service credit. *

* Reflects possible rate impact. No change to current rate.

Section 7

Texas Municipal Retirement System

Summary of Benefit Provision Changes Reflected in 12/31/2021 Valuation

City	Changes
Post	Increased repeating USC from 50% to 100%.
Pottsboro	Adopted restricted prior service credit. *
Quinlan	Adopted 20 yr, any age retirement eligibility.
Ralls	Adopted 20 yr, any age retirement eligibility.
San Antonio	1) Granted 70% ad hoc COLA. 2) Opened plan to current and future San Antonio Council Aides Corporation employees.
Simonton	1) Increased Member contribution rate from 5% to 7%. 2) Increased city matching ratio from 1 - 1 to 2 - 1.
Splendora	1) Granted 100% ad hoc USC with transfer. 2) Increased city matching ratio from 1 - 1 to 2 - 1. 3) Adopted restricted prior service credit. *
Sudan	1) Granted 100% ad hoc USC with transfer. 2) Granted 70% ad hoc COLA.
Sulphur Springs	Granted 100% ad hoc USC with transfer.
Surfside Beach	1) Increased city matching ratio from 1 - 1 to 2 - 1. 2) Increased statutory max to 13.50% due to plan changes.
Tahoka	Adopted 100% repeating USC with transfer.
Tioga	1) Increased city matching ratio from 1 - 1 to 1.5 - 1. 2) Increased statutory max to 11.50% due to plan changes.
Trinidad	1) Adopted 100% repeating USC. 2) Increased Member contribution rate from 5% to 7%. 3) Increased city matching ratio from 1 - 1 to 2 - 1. 4) Increased statutory max to 13.50% due to plan changes.
Uvalde	1) Increased city matching ratio from 1.5 - 1 to 2 - 1. 2) Increased statutory max to 11.50% due to plan changes.
Van Alstyne	1) Increased Member contribution rate from 6% to 7%. 2) Increased statutory max to 13.50% due to plan changes.
Waller	1) Increased Member contribution rate from 5% to 7%. 2) Increased city matching ratio from 1.5 - 1 to 2 - 1. 3) Increased statutory max to 13.50% due to plan changes.
Waskom	1) Increased Member contribution rate from 5% to 7%. 2) Increased city matching ratio from 1 - 1 to 2 - 1. 3) Removed statutory max.
Weslaco	1) Granted 50% ad hoc USC with transfer. 2) Granted 30% ad hoc COLA.

* Reflects possible rate impact. No change to current rate.

SECTION 8

RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY AND ACTUARIALLY DETERMINED CONTRIBUTION

Section 8

Texas Municipal Retirement System

Risks Associated With Measuring the Accrued Liability and Actuarially Determined Contribution

The determination of the Accrued Liability and the Actuarially Determined Contribution (ADC) requires the use of assumptions regarding future economic and demographic experience. Risk measures, as illustrated in this report, are intended to aid in the understanding of the effects of future experience differing from the assumptions used in the course of the actuarial valuation. Risk measures may also help with illustrating the potential volatility in the Accrued Liability and the ADC that results from the differences between actual experience and the actuarial assumptions.

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 due to changing conditions; 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. The scope of an actuarial valuation does not include an analysis of the potential range of such future measurements.

Examples of risk that may reasonably be anticipated to significantly affect the plan's future financial condition include:

1. Investment risk – actual investment returns may differ from the expected returns;
2. Asset/Liability mismatch – changes in asset values may not match changes in liabilities, thereby altering the gap between the Accrued Liability and Assets and consequently altering the funded status and contribution requirements;
3. Contribution risk – actual contributions may differ from expected future contributions. For example, actual contributions may not be made in accordance with the plan's funding policy or material changes may occur in the anticipated number of covered employees, covered payroll, or other relevant contribution base;
4. Salary and Payroll risk – actual salaries and total payroll may differ from expected, resulting in actual future Accrued Liability and contributions differing from expected;
5. Longevity risk – Members may live longer or shorter than expected and receive pensions for a period of time other than assumed;
6. Other demographic risks – Members may terminate, retire or become disabled at times or with benefits other than assumed resulting in actual future Accrued Liability and contributions differing from expected.

The effects of certain trends in experience can generally be anticipated. For example, if the investment return since the most recent actuarial valuation is less (or more) than the assumed rate, the cost of the plan can be



expected to increase (or decrease). Likewise if longevity is improving (or worsening), increases (or decreases) in cost can be anticipated.

The computed contribution rates shown in this report may be considered as a minimum contribution rate that complies with the Board’s funding policy and state statute. The timely receipt of the ADC is critical to support the financial health of the plan. Users of this report should be aware that contributions made at the actuarially determined rate do not necessarily guarantee benefit security.

With each valuation there is a presentation of the summary of findings to the Board. Included are various discussions and scenarios of potential risks.

Investment Risk Scenario Testing - Benefit Accumulation Fund (Smoothed)

The funded status and ADC are based on numerous actuarial assumptions that have been selected based on the System’s past experience and future expectations, including the expected annual investment return of 6.75%. The basis for the 6.75% investment return assumption has been detailed in Section 6 of this report.

The following table illustrates the projected Funded Ratio and ADC over the next five years assuming alternative investment returns on the Market Value of Assets. The projections are based on actuarial assumptions (other than investment returns), methods and plan provisions used in this valuation.

Three scenarios of projected results are shown assuming annual net investment returns equal to:

1. The expected 25th percentile annual investment return over a 10-year period, based on the assumed investment return of 6.75% and an assumed standard deviation of 10.6% (approximately 4.50% per year)
2. The annual investment return assumed in this valuation of 6.75%
3. The expected 75th percentile annual investment return over a 10-year period, based on the assumed investment return of 6.75% and an assumed standard deviation of 10.6% (approximately 9.00% per year)

	Projected Investment Return					
	4.50%		6.75%		9.00%	
December	Funded Ratio	ADC	Funded Ratio	ADC	Funded Ratio	ADC
2021	90.5%	13.25%	90.5%	13.25%	90.5%	13.25%
2022	91.4%	13.08%	91.6%	13.00%	91.8%	12.93%
2023	92.3%	12.98%	92.9%	12.73%	93.5%	12.49%
2024	92.8%	12.95%	94.2%	12.41%	95.4%	11.91%
2025	93.2%	12.96%	95.4%	12.04%	97.5%	11.18%
2026	93.3%	13.10%	96.5%	11.71%	99.7%	10.36%

In the 4.50% scenario, which assumes the actual returns on a market basis are less than the 6.75% assumed return, the ADC increases over the period are muted due to recognizing the currently deferred investment gains from calendar years 2019, 2020, and 2021. However, the combination of the funding policy (closed amortization strategy) and deferred gain recognition continues to increase the Funded Ratio.



Plan Maturity Measures

Risks facing a pension plan evolve over time. A young plan with virtually no investments and paying few benefits may experience little investment risk. An older plan with a large number of Members in payment status and a significant trust may be much more exposed to investment risk. Generally accepted plan maturity measures include the following:

Aggregate Benefit Accumulation Fund Results		
	2021	2020
Ratio of the Market Value of Assets to Payroll	5.2	4.7
Ratio of Actuarial Accrued Liability to Payroll	5.4	5.2
Ratio of Active Members to Retirees and Beneficiaries	1.5	1.6
Net Cash Flow as a Percentage of Market Value of Assets	-0.4%	0.2%
Duration of Liabilities	17.4	17.8
Average Change in Contribution Rate with 10% Decline in Assets (Smoothed)	0.34%	0.33%
Average Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)	3.41%	3.30%

Ratio of Market Value of Assets to Payroll: The relationship between assets and payroll is a useful indicator of the potential volatility of contributions. For example, if the Market Value of Assets is 4 times the payroll, a return on assets 5% different than assumed would equal 20% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in city contributions as a percentage of payroll.

Ratio of Actuarial Accrued Liability to Payroll: The ratio of liability to payroll may also be used as a measure of sensitivity of the liability itself. For example, if the Actuarial Accrued Liability is 5 times the payroll, a change in liability 2% other than assumed would equal 10% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in liability (and also city contributions) as a percentage of payroll.

The relationship between the Actuarial Accrued Liability and payroll is a useful indicator of the potential longer term asset-related volatility once the current UAAL is fully amortized. A funding policy that targets a funded ratio of 100% is expected to result in the ratio of assets to payroll and the ratio of liability to payroll converging over time.

Ratio of Active Members to Retirees and Beneficiaries: A young plan with many active Members and few retirees will have a high ratio of active Member to retirees. A mature open plan may have close to the same number of active Members to retirees resulting in a ratio near 1. A very mature or closed plan may have significantly more retirees than active Members resulting in a ratio below 1.



Net Cash Flow as a Percentage of Market Value of Assets: A positive net cash flow means contributions exceed benefits and expenses. A negative cash flow means existing funds are being used to make payments. A certain amount of negative net cash flow is generally expected to occur when benefits are prefunded through a qualified trust. Large negative net cash flows as a percent of assets may indicate a very mature plan or a need for additional contributions.

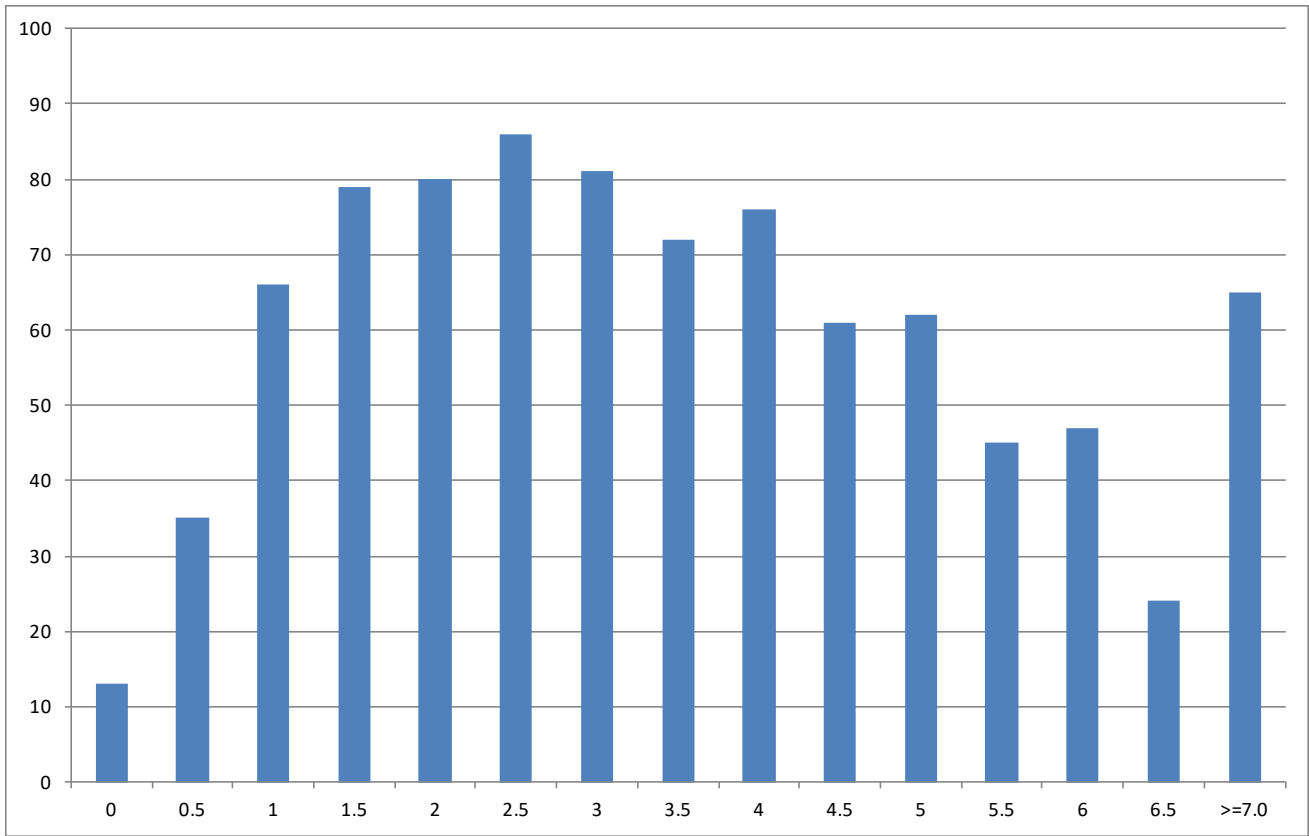
Duration of Liabilities: The duration of the Present Value of Future Benefits (PVFB) may be used to approximate the sensitivity to a 1% change in the assumed rate of return. For example, duration of 10 indicates that the PVFB would increase approximately 10% if the assumed rate of return were lowered 1%.

Change in Contribution Rate with 10% Decline in Assets (Smoothed): This shows the rate impact in one year if the Actuarial Value of Assets (AVA) was 10% lower than in the current actuarial valuation with the asset loss smoothed over a 10-year period as is done in the system-wide calculation of the AVA.

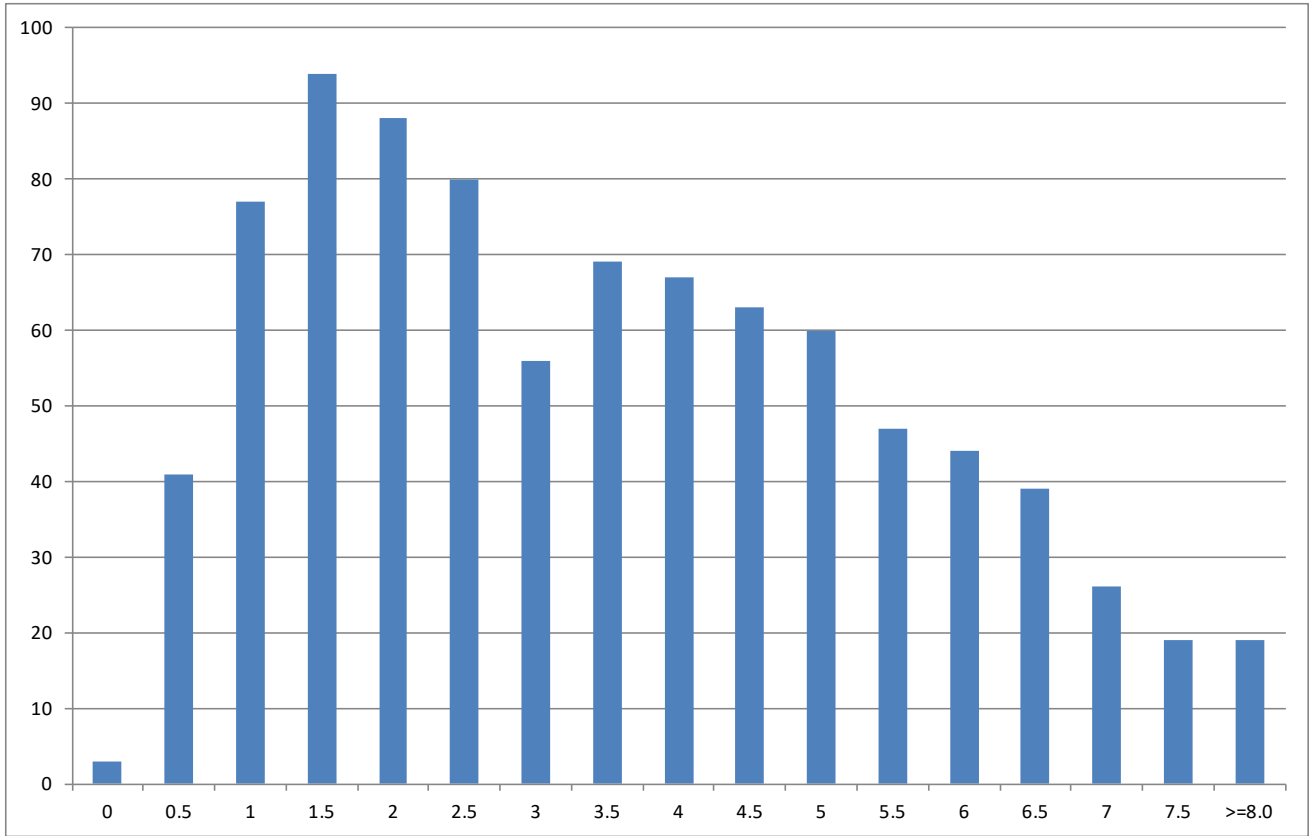
Change in Contribution Rate with 10% Decline in Assets (Unsmoothed): This shows the rate impact if the Actuarial Value of Assets was 10% lower than in the current actuarial valuation with the full asset loss recognized in the current valuation.

Distribution of Measures

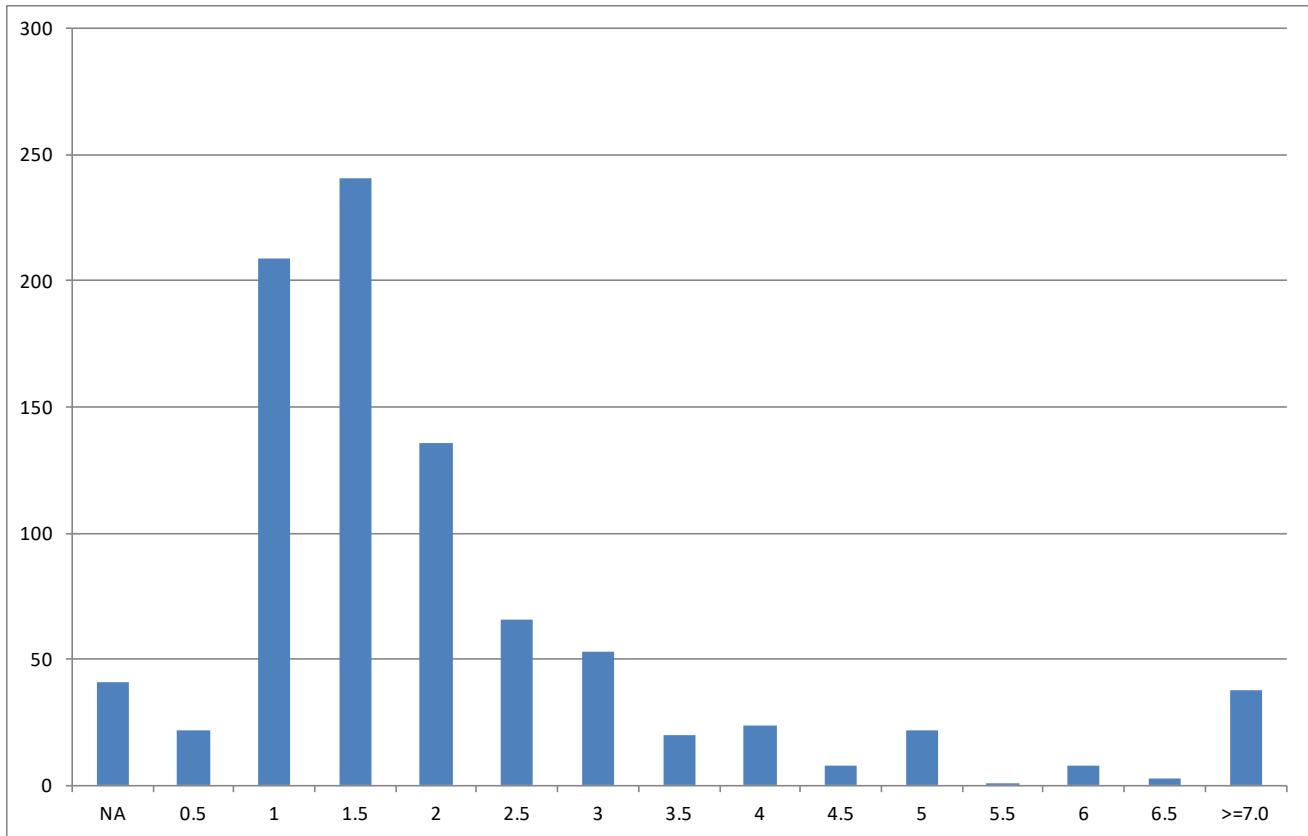
Ratio of the Market Value of Assets to Payroll



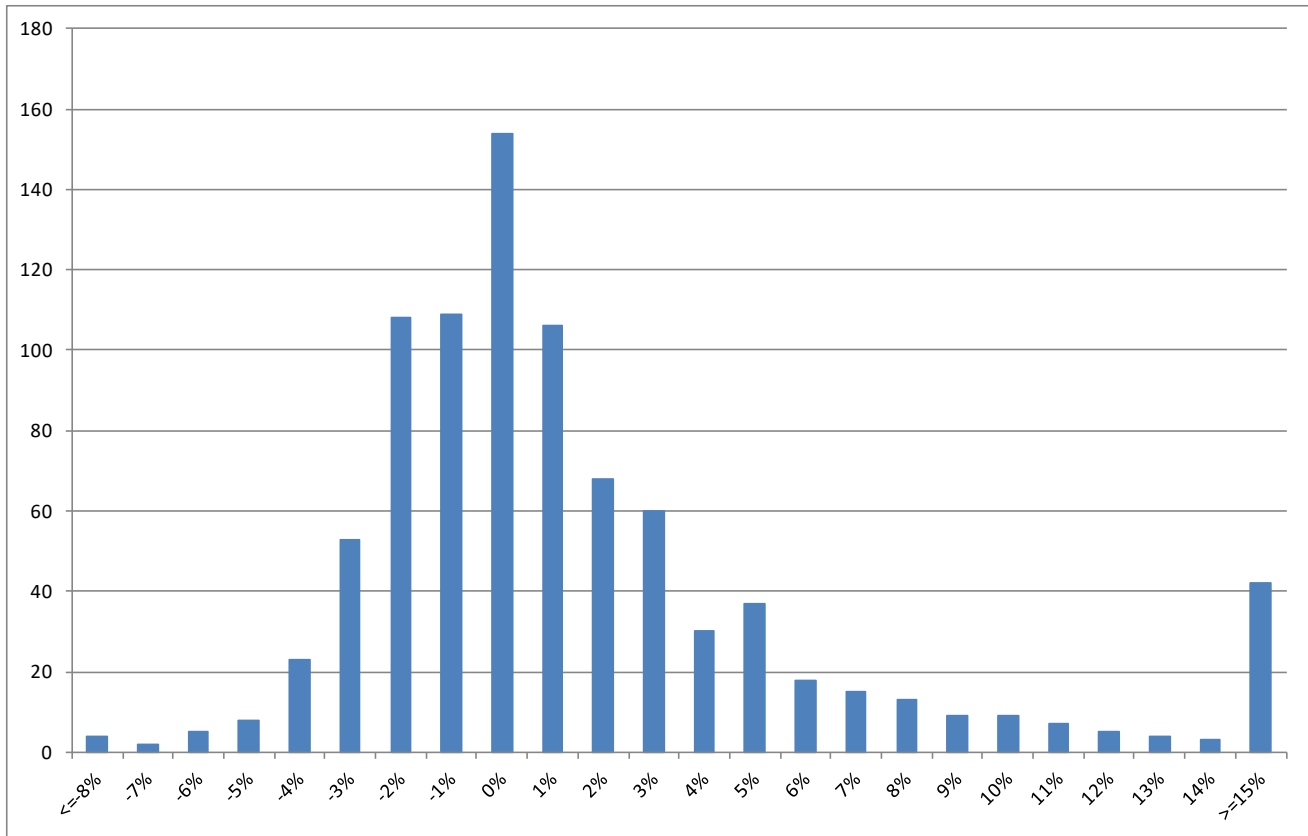
Distribution of Measures Ratio of Actuarial Accrued Liability to Payroll



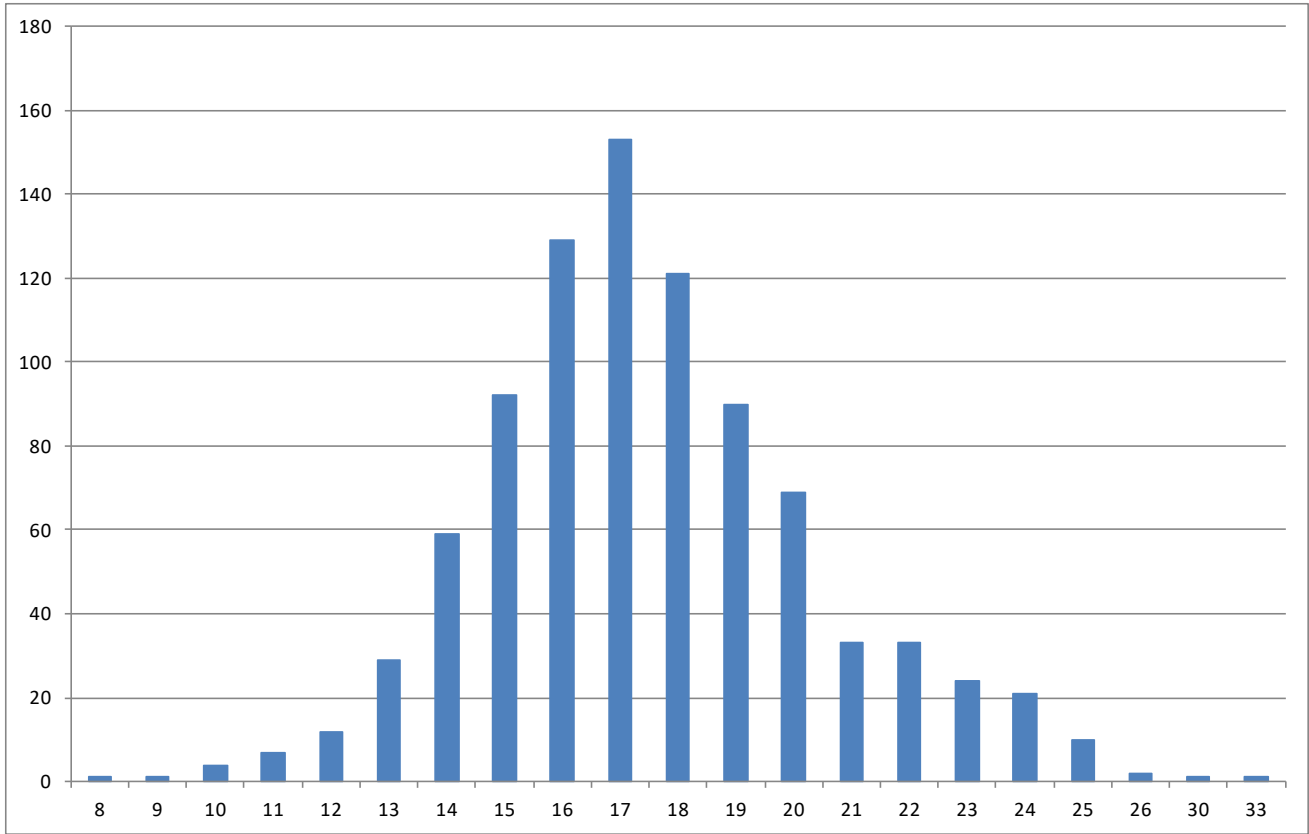
Distribution of Measures Ratio of Actives to Retirees and Beneficiaries



Distribution of Changes Net Cash Flow as a Percentage of Market Value of Assets

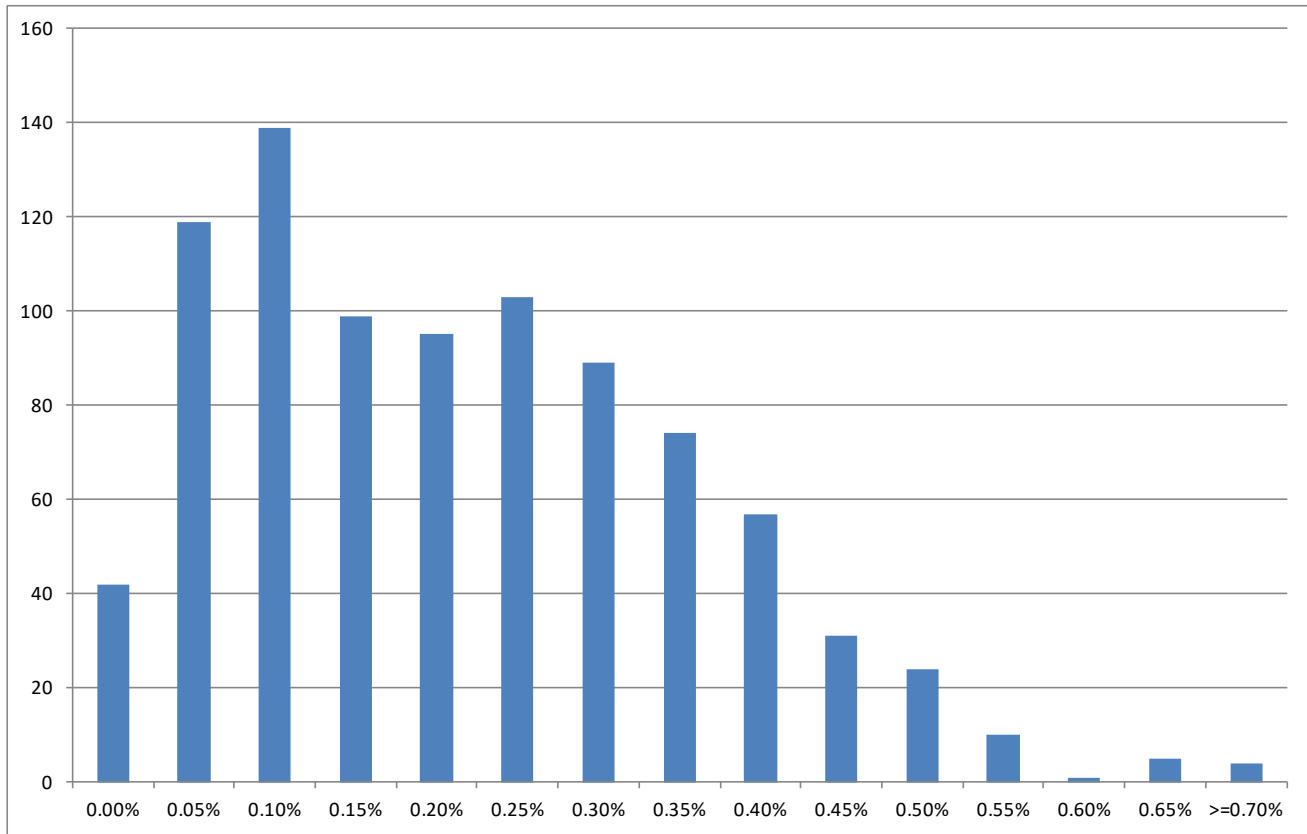


Distribution of Measures Duration of Liabilities



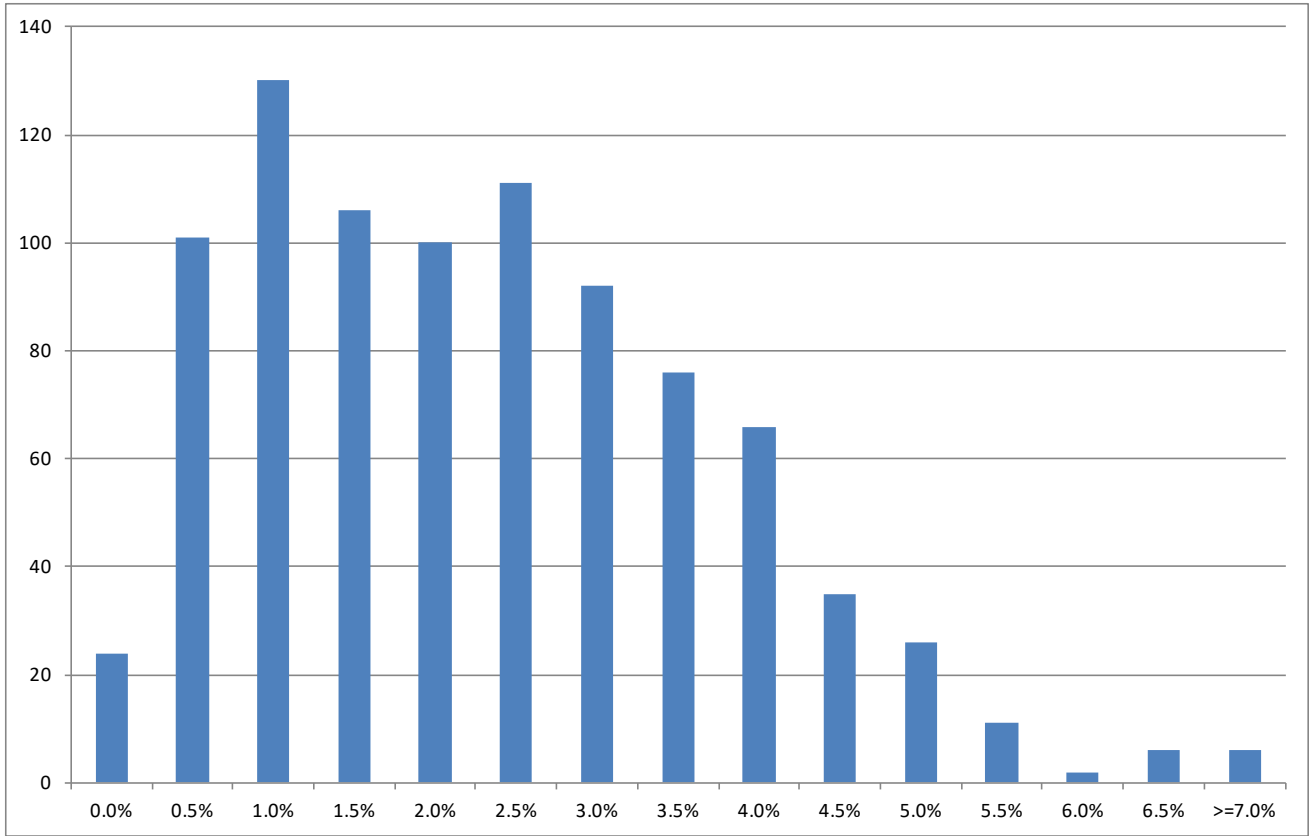
Distribution of Changes

Change in Contribution Rate with 10% Decline in Assets (Smoothed)



Distribution of Changes

Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)



Section 8
TEXAS MUNICIPAL RETIREMENT SYSTEM
RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY AND ACTUARIALLY DETERMINED CONTRIBUTION

City#	CityName	Ratio of MVA to Covered Pay	Ratio of AAL to Covered Pay	Ratio of Actives to Retirees (A/R)	Net Cash Flow as a Percentage of Market Value of Assets	Duration of Liabilities	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
4	Abernathy	2.3	2.3	2.4	-0.8%	15.4	0.15%	1.53%
6	Abilene	5.6	5.6	1.1	-2.3%	15.5	0.39%	3.86%
7	Addison	6.2	6.1	1.2	-2.1%	16.6	0.42%	4.19%
8	Agua Dulce	0.6	0.9	NA	19.7%	14.9	0.09%	0.87%
10	Alamo	2.4	2.4	3.1	0.8%	20.1	0.16%	1.60%
12	Alamo Heights	4.5	5.1	1.1	0.8%	18.0	0.30%	3.03%
14	Alba	2.3	2.7	5.0	7.8%	15.2	0.26%	2.61%
16	Albany	2.1	2.0	1.1	-3.9%	13.4	0.15%	1.51%
17	Aledo	1.8	2.0	1.5	10.0%	19.4	0.13%	1.32%
18	Alice	5.0	4.4	1.1	-2.4%	16.1	0.17%	2.36%
19	Allen	4.4	4.7	2.5	1.7%	19.9	0.30%	3.03%
20	Alpine	2.6	2.0	2.3	-2.2%	16.8	0.09%	0.92%
22	Alto	2.8	2.5	1.1	3.3%	24.4	0.11%	1.64%
23	Alton	2.0	2.0	3.8	4.4%	23.3	0.14%	1.38%
24	Alvarado	1.7	1.7	3.6	4.8%	20.7	0.12%	1.17%
26	Alvin	5.8	6.2	1.5	0.0%	17.3	0.38%	3.85%
28	Alvord	1.8	1.7	1.4	1.5%	17.8	0.18%	1.85%
30	Amarillo	5.7	5.7	1.3	-2.5%	15.4	0.37%	3.74%
32	Amherst	2.3	1.0	1.7	-3.0%	17.7	0.00%	0.60%
34	Anahuac	2.5	2.2	2.8	3.6%	19.4	0.09%	1.27%
36	Andrews	5.3	5.7	2.2	0.0%	17.7	0.36%	3.59%
38	Angleton	3.8	4.0	1.6	-1.3%	17.7	0.26%	2.60%
40	Anna	1.4	1.5	7.2	12.3%	25.2	0.10%	1.01%
41	Annetta	1.0	1.0	NA	15.2%	17.1	0.16%	1.57%
44	Anson	1.9	1.5	2.8	0.9%	16.5	0.06%	0.65%
45	Anthony	1.3	1.4	3.9	-0.8%	17.7	0.08%	0.82%
48	Aranas Pass	2.8	3.0	2.3	1.3%	19.9	0.20%	1.98%
50	Archer City	1.7	1.6	2.3	0.3%	14.0	0.11%	1.13%
49	Arcola	0.5	0.5	8.5	11.9%	17.8	0.03%	0.29%
51	Argyle	3.5	3.3	1.5	3.2%	19.4	0.18%	2.20%
52	Arlington	8.0	7.5	1.2	-1.3%	17.1	0.53%	5.29%
54	Arp	2.0	1.9	2.2	-0.3%	19.9	0.11%	1.57%
60	Aspermont	2.3	1.8	2.3	-2.9%	15.1	0.00%	0.61%
62	Athens	4.8	5.4	1.3	-1.1%	17.7	0.32%	3.17%
64	Atlanta	2.8	2.7	1.7	-0.6%	16.1	0.20%	2.03%
66	Aubrey	1.3	1.2	3.9	9.1%	24.1	0.09%	0.90%
74	Avinger	3.1	2.6	NA	2.9%	10.8	0.10%	0.98%
75	Azle	3.6	3.9	1.4	2.2%	19.4	0.24%	2.42%
77	Baird	1.8	1.5	2.2	-0.3%	16.2	0.06%	0.66%
78	Balch Springs	3.9	4.3	1.5	1.1%	20.2	0.27%	2.66%
79	Balcones Heights	6.0	5.8	0.9	-2.3%	15.9	0.41%	4.10%
80	Ballinger	3.0	3.9	1.2	-1.0%	17.0	0.22%	2.15%
82	Balmorhea	1.7	1.2	NA	2.9%	18.1	0.00%	0.54%
83	Bandera	3.9	3.5	1.5	0.3%	17.2	0.14%	2.16%
84	Bangs	5.7	5.0	1.1	-0.1%	14.1	0.19%	2.47%
90	Bartlett	2.2	1.9	2.0	4.2%	21.2	0.08%	0.87%
91	Bartonville	2.7	3.2	0.6	3.6%	16.5	0.31%	3.06%
92	Bastrop	2.9	3.2	1.9	2.6%	18.7	0.19%	1.95%
94	Bay City	4.8	4.9	1.2	-2.3%	15.7	0.32%	3.25%
93	Bayou Vista	1.5	1.2	1.1	1.3%	20.3	0.05%	0.52%
96	Baytown	5.3	5.9	1.6	0.3%	18.6	0.36%	3.62%
98	Beaumont	7.8	8.4	1.1	-1.8%	15.8	0.52%	5.18%
100	Bedford	1.8	3.0	2.9	7.8%	20.3	0.12%	1.24%
101	Bee Cave	2.3	2.3	4.6	5.3%	21.1	0.16%	1.56%
102	Beeville	3.1	2.4	1.2	-3.0%	15.7	0.12%	1.19%
106	Bellaire	7.4	8.0	1.1	-1.7%	15.8	0.49%	4.91%
109	Bellmead	4.6	4.1	2.0	-0.6%	18.1	0.17%	2.15%
110	Bells	1.3	1.0	1.8	5.7%	21.6	0.05%	0.48%
112	Bellville	4.7	5.6	1.1	-1.0%	15.7	0.32%	3.19%
114	Belton	3.3	3.5	1.8	1.1%	18.8	0.21%	2.08%
118	Benbrook	6.5	6.6	1.4	-0.4%	17.9	0.42%	4.22%
121	Berryville	1.5	1.4	1.3	1.5%	12.9	0.06%	1.61%
123	Bertram	1.1	1.0	3.0	6.0%	20.1	0.04%	0.59%
124	Big Lake	4.5	5.6	2.3	2.2%	17.6	0.30%	3.04%
126	Big Sandy	2.4	2.3	1.3	-4.6%	13.2	0.19%	1.93%
128	Big Spring	6.0	6.7	1.0	-1.5%	16.4	0.42%	4.22%
132	Bishop	3.6	3.3	1.2	-3.0%	14.8	0.12%	2.25%
134	Blanco	1.1	1.0	3.1	8.1%	21.8	0.04%	0.75%
140	Blooming Grove	3.1	3.2	2.0	2.2%	16.6	0.38%	3.85%
142	Blossom	4.9	4.4	1.0	-0.7%	14.9	0.18%	4.34%
143	Blue Mound	0.9	0.8	2.0	1.4%	23.2	0.04%	0.45%
144	Blue Ridge	1.0	0.7	6.0	5.1%	22.6	0.04%	0.38%
148	Boerne	4.1	4.9	2.4	1.7%	19.0	0.28%	2.76%
150	Bogata	1.5	1.0	3.0	0.8%	18.3	0.06%	0.55%
152	Bonham	3.6	3.8	1.9	-0.1%	17.0	0.25%	2.46%
154	Booker	2.4	2.3	5.0	3.1%	18.8	0.21%	2.10%
156	Borger	5.8	5.9	1.5	-2.4%	16.9	0.38%	3.79%
158	Bovina	1.4	1.1	3.7	-0.8%	19.7	0.05%	0.48%
160	Bowie	4.8	4.7	1.1	-0.9%	17.0	0.34%	3.39%
162	Boyd	1.7	1.6	2.6	3.3%	19.4	0.06%	1.03%

Section 8
TEXAS MUNICIPAL RETIREMENT SYSTEM
RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY AND ACTUARIALLY DETERMINED CONTRIBUTION

City#	CityName	Ratio of MVA to Covered Pay	Ratio of AAL to Covered Pay	Ratio of Actives to Retirees (A/R)	Net Cash Flow as a Percentage of Market Value of Assets	Duration of Liabilities	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
166	Brady	2.9	2.9	1.6	2.3%	17.9	0.20%	1.96%
170	Brazoria	4.8	4.4	1.0	-1.5%	16.4	0.21%	3.05%
172	Breckenridge	4.3	4.3	1.1	-3.3%	15.5	0.30%	3.02%
174	Bremond	4.2	4.2	5.0	3.8%	14.5	0.49%	4.86%
176	Brenham	4.3	5.2	1.3	-1.4%	16.9	0.30%	2.97%
177	Bridge City	6.2	7.0	1.0	-0.6%	15.4	0.40%	4.01%
178	Bridgeport	3.8	4.1	1.4	0.8%	20.1	0.27%	2.74%
180	Bronte	3.2	3.3	4.0	3.3%	11.9	0.38%	3.79%
182	Brookshire	3.4	3.5	3.4	2.6%	17.2	0.23%	2.31%
184	Brownfield	5.9	4.7	1.5	-2.0%	15.7	0.22%	2.15%
186	Brownsboro	0.7	1.5	8.0	8.0%	14.3	0.07%	0.70%
10188	Brownsville	6.5	6.8	1.6	-0.5%	18.2	0.44%	4.40%
20188	Brownsville PUB	6.9	7.4	1.7	-0.7%	17.2	0.43%	4.34%
10190	Brownwood	5.7	6.0	1.4	-1.6%	16.6	0.37%	3.69%
30190	Brownwood Health Dept.	3.1	3.2	2.0	-1.9%	17.8	0.20%	1.96%
20190	Brownwood Public Library	3.0	1.4	3.0	-3.2%	17.5	0.00%	0.73%
195	Bruceville-Eddy	3.0	2.6	1.5	0.4%	19.2	0.10%	1.26%
192	Bryan	6.8	6.3	1.3	-0.4%	17.7	0.28%	4.34%
193	Bryson	7.0	4.3	3.0	-3.2%	14.7	0.00%	0.83%
194	Buda	2.1	2.3	5.2	7.9%	21.9	0.14%	1.43%
196	Buffalo	3.4	2.9	1.5	-3.3%	12.1	0.11%	1.47%
198	Bullard	1.9	2.4	3.8	-1.1%	20.1	0.12%	1.20%
203	Bulverde	2.1	2.1	2.3	4.5%	21.8	0.14%	1.40%
199	Bunker Hill Village	5.4	5.1	2.0	0.6%	13.3	0.52%	5.21%
200	Burkburnett	4.6	4.7	1.2	-1.7%	15.6	0.32%	3.17%
202	Burleson	4.2	4.8	2.1	1.5%	19.9	0.29%	2.85%
204	Burnet	4.0	4.2	1.5	0.0%	18.7	0.27%	2.71%
205	Byers	0.1	0.4	NA	78.5%	20.3	0.02%	0.19%
207	Cactus	1.0	1.3	4.8	7.3%	24.8	0.07%	0.70%
208	Caddo Mills	0.9	0.9	7.3	9.7%	21.3	0.06%	0.62%
210	Caldwell	5.3	5.1	1.9	-2.4%	13.9	0.35%	3.52%
211	Callisburg	0.1	0.2	NA	100.0%	22.0	0.01%	0.09%
212	Calvert	1.0	1.5	1.9	1.2%	19.6	0.07%	0.73%
214	Cameron	3.0	3.2	1.1	-0.3%	16.2	0.20%	1.97%
216	Campbell	2.7	3.3	NA	17.3%	13.6	0.39%	3.87%
220	Canadian	4.8	5.8	1.8	1.0%	17.8	0.31%	3.09%
221	Caney City	0.4	0.3	NA	18.6%	23.6	0.02%	0.16%
222	Canton	4.1	4.2	2.1	1.2%	16.8	0.27%	2.71%
224	Canyon	5.5	5.6	1.8	-0.5%	17.3	0.36%	3.64%
227	Carmine	3.5	2.4	2.0	1.9%	20.4	0.00%	0.96%
228	Carrizo Springs	2.8	2.6	1.9	-2.7%	14.6	0.11%	1.68%
230	Carrollton	7.9	7.6	1.1	-1.8%	16.3	0.52%	5.23%
232	Carthage	7.4	8.1	1.2	-1.5%	15.3	0.53%	5.27%
231	Castle Hills	5.6	5.8	1.1	-0.9%	17.2	0.37%	3.73%
234	Castroville	2.7	2.7	1.2	0.3%	17.4	0.19%	1.90%
238	Cedar Hill	4.8	5.1	1.6	0.7%	18.9	0.33%	3.29%
239	Cedar Park	3.3	3.8	2.8	4.3%	21.2	0.22%	2.19%
240	Celeste	0.8	0.8	2.0	10.0%	13.1	0.10%	1.04%
242	Celina	1.0	1.0	8.2	11.3%	23.5	0.07%	0.71%
244	Center	4.7	4.6	1.7	0.3%	18.3	0.31%	3.09%
246	Centerville	5.2	5.2	5.0	3.4%	12.3	0.58%	5.83%
247	Chandler	1.0	1.1	3.0	4.2%	17.0	0.06%	0.63%
248	Charlotte	2.3	1.6	10.0	0.1%	17.0	0.08%	0.83%
249	Chester	16.1	13.3	2.0	0.4%	9.6	0.00%	4.57%
245	Chico	2.5	2.5	0.7	-1.4%	11.2	0.29%	2.93%
250	Childress	4.7	5.5	1.2	-0.3%	17.1	0.31%	3.15%
251	Chillicothe	1.1	1.1	NA	18.4%	14.7	0.12%	1.22%
253	Chireno	6.2	7.4	2.0	-0.4%	16.4	0.52%	5.23%
254	Christine	2.2	1.4	1.0	0.0%	19.1	0.00%	0.04%
255	Cibolo	2.4	2.5	3.8	5.7%	22.2	0.16%	1.56%
256	Cisco	2.8	2.8	1.7	-0.4%	17.4	0.20%	2.03%
258	Clarendon	2.8	2.2	1.2	0.1%	10.9	0.10%	0.99%
259	Clarksville	5.2	3.7	0.8	-1.9%	16.8	0.18%	1.88%
260	Clarksville City	7.3	6.4	0.7	-5.4%	14.2	0.24%	3.78%
263	Clear Lake Shores	2.5	2.6	3.4	4.3%	19.8	0.16%	1.65%
264	Cleburne	5.8	6.5	1.1	-1.8%	15.8	0.39%	3.89%
266	Cleveland	3.0	3.3	1.8	1.3%	18.6	0.21%	2.10%
268	Clifton	2.6	2.2	1.4	-1.8%	13.9	0.10%	0.96%
271	Clute	5.0	4.6	1.4	-1.0%	17.8	0.22%	3.36%
272	Clyde	3.4	3.7	2.1	2.6%	18.5	0.23%	2.28%
274	Coahoma	4.1	3.7	1.3	-0.4%	13.8	0.14%	3.79%
276	Cockrell Hill	4.6	4.2	1.1	0.2%	20.2	0.16%	2.52%
278	Coleman	6.8	7.2	0.8	-2.8%	14.5	0.46%	4.64%
280	College Station	5.5	5.7	1.6	0.0%	18.3	0.37%	3.65%
281	Colleyville	5.0	4.9	1.1	-1.0%	17.6	0.34%	3.37%
282	Collinsville	1.7	1.6	1.3	1.4%	17.0	0.15%	1.52%
283	Colmesneil	2.4	2.4	4.0	3.8%	19.1	0.29%	2.85%
284	Colorado City	4.7	4.2	1.1	-1.4%	14.7	0.17%	2.34%
286	Columbus	5.2	5.1	1.0	-0.5%	16.0	0.34%	3.44%
288	Comanche	2.7	2.7	1.3	-3.6%	15.0	0.18%	1.76%

Section 8
TEXAS MUNICIPAL RETIREMENT SYSTEM
RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY AND ACTUARIALLY DETERMINED CONTRIBUTION

City#	CityName	Ratio of MVA to Covered Pay	Ratio of AAL to Covered Pay	Ratio of Actives to Retirees (A/R)	Net Cash Flow as a Percentage of Market Value of Assets	Duration of Liabilities	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
289	Combes	0.5	1.1	9.0	16.6%	19.6	0.03%	0.33%
290	Commerce	4.2	4.1	1.1	-0.3%	18.1	0.31%	3.11%
294	Conroe	4.6	5.1	2.4	1.2%	19.1	0.31%	3.12%
295	Converse	3.3	3.7	2.4	1.9%	20.7	0.23%	2.35%
298	Cooper	3.6	3.7	1.6	-1.9%	12.8	0.26%	2.56%
299	Coppell	6.1	6.4	1.3	0.4%	18.4	0.41%	4.05%
297	Copper Canyon	2.3	2.2	1.3	6.5%	14.0	0.25%	2.48%
300	Copperas Cove	4.9	5.2	1.1	-0.3%	17.7	0.34%	3.44%
301	Corinth	4.3	4.5	1.5	2.4%	20.5	0.29%	2.90%
302	Corpus Christi	6.1	6.6	1.0	-1.9%	15.3	0.42%	4.19%
304	Corrigan	1.7	1.6	1.8	0.0%	16.4	0.06%	1.05%
306	Corsicana	6.7	6.9	0.9	-2.4%	15.5	0.49%	4.94%
307	Cottonwood Shores	0.1	0.4	NA	75.8%	21.8	0.01%	0.08%
308	Cotulla	1.5	1.6	2.5	2.8%	16.8	0.10%	1.02%
310	Crandall	3.1	2.9	2.1	1.9%	21.4	0.20%	2.01%
312	Crane	5.3	4.6	1.6	-1.7%	15.9	0.19%	2.43%
314	Crawford	0.9	0.8	5.0	2.5%	22.5	0.04%	0.36%
315	Creedmoor	0.1	0.3	NA	78.3%	13.6	0.02%	0.18%
316	Crockett	5.2	5.5	0.8	-1.8%	16.4	0.38%	3.79%
318	Crosbyton	4.2	3.0	0.8	-2.8%	16.2	0.15%	1.47%
320	Cross Plains	4.5	4.3	2.7	0.7%	14.6	0.39%	3.86%
321	Cross Roads	0.8	0.7	16.0	17.1%	22.6	0.03%	0.41%
322	Crowell	0.3	0.5	9.0	30.3%	21.1	0.03%	0.26%
323	Crowley	3.2	3.4	1.7	2.2%	20.2	0.22%	2.18%
324	Crystal City	3.0	2.4	2.1	-2.1%	14.8	0.11%	1.14%
326	Cuero	3.3	3.5	1.6	0.5%	18.3	0.22%	2.15%
328	Cumby	1.0	1.0	2.0	-0.5%	16.5	0.08%	0.76%
332	Daingerfield	3.9	3.7	1.2	-1.1%	15.2	0.26%	2.60%
334	Daisetta	2.1	1.7	3.0	0.5%	14.3	0.07%	0.74%
336	Dalhart	3.5	3.1	1.9	-1.5%	15.7	0.12%	1.67%
339	Dalworthington Gardens	4.8	5.8	1.6	2.3%	19.2	0.34%	3.37%
340	Danbury	2.5	2.3	2.0	-7.1%	14.1	0.08%	2.01%
341	Darrouzett	3.0	2.8	3.0	-0.5%	11.2	0.38%	3.84%
344	Dayton	2.1	2.1	1.9	1.1%	18.1	0.14%	1.38%
352	De Leon	1.4	1.5	2.0	0.9%	15.7	0.10%	1.03%
10366	DeSoto	5.4	5.3	1.3	-0.6%	17.4	0.37%	3.67%
346	Decatur	4.7	5.0	1.7	-0.2%	18.0	0.31%	3.07%
348	Deer Park	7.3	7.2	1.5	-0.9%	17.2	0.47%	4.68%
350	Dekalb	2.0	1.6	1.0	-2.2%	18.2	0.07%	0.77%
354	Del Rio	1.8	2.1	3.0	2.0%	17.7	0.11%	1.13%
353	Dell City	10.1	10.0	1.0	-4.6%	12.3	1.88%	18.76%
356	Denison	5.9	5.8	1.2	-2.5%	15.4	0.39%	3.87%
358	Denton	5.4	5.9	1.6	0.2%	18.2	0.35%	3.53%
360	Denver City	7.3	6.8	1.4	-2.5%	14.0	0.26%	4.83%
362	Deport	1.0	0.9	3.0	0.4%	13.3	0.11%	1.08%
370	Devine	2.9	4.2	2.1	1.7%	17.7	0.19%	1.93%
371	Diboll	7.2	7.3	0.8	-4.2%	17.0	0.52%	5.22%
372	Dickens	1.0	0.7	NA	-22.2%	20.0	0.04%	0.38%
373	Dickinson	3.9	3.8	2.4	1.1%	17.6	0.25%	2.53%
374	Dilley	1.8	2.0	1.4	1.6%	19.3	0.12%	1.21%
376	Dimmitt	6.2	5.0	1.3	-2.5%	14.6	0.23%	2.27%
382	Donna	1.7	2.1	3.7	6.1%	20.4	0.12%	1.21%
379	Double Oak	1.7	1.7	2.2	6.9%	19.0	0.13%	1.32%
383	Dripping Springs	0.7	0.7	20.0	15.4%	22.4	0.05%	0.47%
385	Driscoll	0.7	0.7	NA	4.6%	20.5	0.02%	0.45%
384	Dublin	3.8	4.1	1.3	0.2%	19.8	0.26%	2.58%
386	Dumas	3.6	4.1	1.5	1.5%	18.1	0.24%	2.42%
388	Duncanville	6.9	6.5	1.0	-3.5%	14.4	0.45%	4.56%
394	Eagle Lake	4.9	4.8	1.2	-1.4%	14.5	0.33%	3.27%
396	Eagle Pass	4.0	4.0	2.0	-1.5%	18.6	0.28%	2.83%
397	Early	2.1	1.8	3.2	-0.1%	18.4	0.07%	0.93%
399	Earth	1.0	1.1	1.4	1.2%	15.4	0.11%	1.11%
393	East Bernard	0.7	0.8	5.0	12.6%	19.7	0.08%	0.85%
401	East Mountain	6.8	5.9	1.0	-0.4%	19.0	0.21%	4.00%
395	East Tawakoni	2.4	2.1	2.4	1.0%	16.6	0.08%	1.14%
398	Eastland	3.0	3.0	1.8	0.2%	17.1	0.20%	1.99%
402	Ector	2.2	2.0	2.0	-0.6%	13.0	0.07%	1.46%
406	Eden	4.4	4.0	0.5	-3.9%	14.6	0.16%	3.16%
408	Edgewood	1.2	1.3	1.4	4.5%	17.2	0.10%	0.99%
410	Edinburg	3.7	4.2	3.1	2.3%	20.2	0.24%	2.44%
412	Edna	5.8	5.8	1.0	-2.6%	15.1	0.40%	4.04%
414	El Campo	5.2	5.9	1.4	-1.6%	17.0	0.34%	3.36%
416	Eldorado	3.9	4.1	2.4	-1.2%	16.3	0.27%	2.66%
418	Electra	2.1	2.0	1.1	-4.0%	13.1	0.12%	1.47%
420	Elgin	3.3	3.5	1.8	1.9%	18.5	0.22%	2.18%
422	Elkhart	2.5	2.3	1.1	-1.0%	14.7	0.09%	2.00%
427	Elmendorf	0.6	0.6	14.0	8.6%	22.9	0.02%	0.41%
432	Emory	2.1	2.0	1.9	2.5%	16.5	0.14%	1.40%
436	Ennis	6.1	6.4	1.2	-0.5%	17.9	0.42%	4.20%
437	Escobares	0.3	0.6	NA	32.8%	24.8	0.05%	0.47%

Section 8
TEXAS MUNICIPAL RETIREMENT SYSTEM
RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY AND ACTUARIALLY DETERMINED CONTRIBUTION

City#	CityName	Ratio of MVA to Covered Pay	Ratio of AAL to Covered Pay	Ratio of Actives to Retirees (A/R)	Net Cash Flow as a Percentage of Market Value of Assets	Duration of Liabilities	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
439	Eules	8.1	8.2	1.3	-1.1%	17.3	0.53%	5.26%
440	Eustace	2.1	2.1	1.3	1.1%	16.9	0.19%	1.91%
441	Everman	3.2	3.1	1.9	-0.6%	18.2	0.22%	2.19%
443	Fair Oaks Ranch	2.6	2.7	3.4	5.0%	22.3	0.18%	1.80%
442	Fairfield	4.4	4.0	1.4	-0.7%	15.6	0.15%	2.42%
445	Fairview	2.3	2.4	8.3	7.3%	21.7	0.15%	1.54%
20444	Falfurrias	2.1	1.9	1.8	-2.0%	15.6	0.07%	1.11%
446	Falls City	2.2	2.2	4.0	4.8%	15.9	0.27%	2.70%
448	Farmers Branch	9.4	9.8	1.1	-2.0%	16.0	0.63%	6.26%
450	Farmersville	3.0	3.0	1.4	1.3%	17.7	0.20%	2.04%
451	Farwell	4.9	5.0	1.7	-0.4%	14.5	0.55%	5.54%
452	Fate	1.4	1.3	5.2	11.1%	23.8	0.09%	0.89%
454	Fayetteville	2.2	2.1	2.0	-0.3%	13.2	0.34%	3.38%
456	Ferris	1.7	1.6	1.4	1.7%	19.3	0.13%	1.29%
458	Flatonia	6.0	5.8	1.2	0.0%	16.2	0.40%	3.95%
460	Florence	1.4	1.3	3.3	5.2%	21.6	0.05%	0.90%
20462	Floresville	2.8	3.0	1.7	2.0%	18.8	0.19%	1.87%
463	Flower Mound	3.8	4.0	2.1	1.0%	19.1	0.26%	2.58%
464	Floydada	5.1	5.2	1.2	-2.2%	15.7	0.34%	3.38%
465	Follett	0.3	1.2	NA	71.0%	15.8	0.05%	0.53%
468	Forest Hill	4.8	5.0	0.9	-1.2%	19.0	0.33%	3.31%
470	Forney	2.8	3.1	5.9	5.5%	23.9	0.18%	1.83%
472	Fort Stockton	3.2	3.4	1.6	-0.3%	17.5	0.21%	2.09%
476	Franklin	1.5	1.4	2.6	0.5%	19.7	0.06%	0.76%
478	Frankston	1.1	1.0	3.0	2.2%	18.6	0.05%	0.73%
480	Fredericksburg	4.8	6.0	1.4	1.7%	17.0	0.32%	3.16%
482	Freeport	4.1	4.6	1.4	0.4%	19.0	0.28%	2.75%
481	Freer	1.9	2.1	1.5	-0.7%	16.2	0.14%	1.36%
483	Friendswood	5.4	5.8	1.4	-0.3%	17.9	0.36%	3.57%
484	Friona	5.9	5.7	1.4	-2.7%	15.8	0.43%	4.30%
486	Frisco	3.4	3.6	4.6	4.3%	22.2	0.23%	2.30%
487	Fritch	3.4	2.2	2.2	0.6%	20.8	0.12%	1.20%
488	Frost	4.0	4.2	0.5	-4.2%	9.0	0.63%	6.28%
491	Fulshear	0.8	0.8	22.0	17.2%	23.4	0.06%	0.57%
493	Fulton	1.9	1.8	1.5	11.0%	15.9	0.14%	2.07%
492	Gainesville	4.1	4.5	1.4	3.0%	17.6	0.28%	2.82%
494	Galena Park	5.3	5.2	1.2	-0.7%	17.0	0.36%	3.59%
498	Ganado	9.8	9.0	0.9	-0.8%	13.3	0.34%	7.35%
499	Garden Ridge	2.2	2.2	1.4	3.2%	17.2	0.15%	1.47%
500	Garland	7.0	6.8	1.3	-2.1%	15.4	0.46%	4.60%
501	Garrett	0.1	1.8	NA	100.0%	24.0	0.00%	0.02%
502	Garrison	8.1	6.4	1.0	0.1%	15.5	0.28%	2.81%
503	Gary	2.4	2.5	2.0	0.9%	18.3	0.30%	2.95%
504	Gatesville	5.1	5.5	1.5	-0.3%	17.6	0.33%	3.31%
505	George West	1.4	1.4	3.4	4.6%	18.3	0.10%	0.95%
506	Georgetown	3.4	3.6	2.9	2.5%	20.4	0.23%	2.31%
510	Giddings	5.5	6.0	1.3	-0.1%	15.6	0.36%	3.58%
512	Gilmer	4.9	5.2	1.1	-0.5%	17.4	0.32%	3.22%
514	Gladewater	3.8	3.6	1.0	-1.5%	17.8	0.23%	2.28%
516	Glen Rose	4.9	5.1	1.0	-0.9%	17.0	0.33%	3.34%
517	Glenn Heights	2.4	1.8	1.2	-0.3%	18.6	0.09%	0.88%
518	Godley	0.9	0.8	2.2	6.8%	21.4	0.06%	0.63%
519	Goldsmith	1.5	1.4	NA	4.8%	14.5	0.06%	1.66%
520	Goldthwaite	8.2	9.1	1.2	-1.3%	13.9	0.65%	6.51%
522	Goliad	3.2	2.8	1.5	-0.4%	16.3	0.11%	1.23%
524	Gonzales	3.8	4.0	1.6	-1.0%	17.9	0.25%	2.54%
527	Gordon	0.2	0.2	NA	14.4%	22.2	0.02%	0.23%
530	Gorman	0.8	1.3	8.0	16.9%	17.1	0.07%	0.72%
532	Graford	1.3	1.2	2.0	4.2%	12.8	0.07%	1.76%
10534	Graham	4.8	5.0	1.0	-2.7%	16.3	0.32%	3.15%
536	Granbury	4.7	5.3	1.5	0.5%	17.7	0.31%	3.10%
540	Grand Prairie	6.2	6.5	1.5	-0.6%	18.1	0.41%	4.11%
542	Grand Saline	3.5	3.5	1.3	0.0%	16.9	0.25%	2.52%
544	Grandview	2.5	2.6	1.7	5.4%	19.6	0.16%	1.63%
546	Granger	1.4	1.2	0.9	5.0%	17.4	0.05%	0.58%
547	Granite Shoals	1.1	1.0	3.1	5.9%	19.7	0.04%	0.66%
548	Grapeland	2.0	1.8	0.9	-4.1%	17.1	0.08%	1.55%
550	Grapevine	6.6	7.1	1.2	-0.4%	17.2	0.44%	4.35%
552	Greenville	6.4	6.4	1.0	-2.8%	15.0	0.43%	4.27%
551	Gregory	1.4	0.9	7.5	1.4%	20.2	0.05%	0.50%
553	Grey Forest	5.7	6.2	1.3	-0.3%	16.6	0.38%	3.79%
556	Groesbeck	1.4	1.5	2.0	2.2%	16.2	0.11%	1.07%
558	Groom	1.9	1.8	0.8	-2.7%	14.2	0.07%	2.22%
559	Groves	7.0	6.7	0.9	-3.1%	15.1	0.45%	4.54%
560	Groveton	1.8	1.6	3.5	-6.5%	14.8	0.07%	0.95%
562	Gruver	5.8	5.6	1.7	0.3%	12.2	0.65%	6.49%
563	Gun Barrel City	2.2	2.3	1.8	1.2%	19.5	0.16%	1.58%
564	Gunter	0.7	0.9	2.8	9.7%	24.6	0.05%	0.54%
568	Hale Center	1.0	1.1	4.0	3.0%	20.0	0.08%	0.77%
570	Hallettsville	5.6	5.7	1.3	-0.4%	15.6	0.37%	3.75%

Section 8
TEXAS MUNICIPAL RETIREMENT SYSTEM
RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY AND ACTUARIALLY DETERMINED CONTRIBUTION

City#	CityName	Ratio of MVA to Covered Pay	Ratio of AAL to Covered Pay	Ratio of Actives to Retirees (A/R)	Net Cash Flow as a Percentage of Market Value of Assets	Duration of Liabilities	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
572	Hallsville	0.8	1.0	3.8	6.5%	17.2	0.06%	0.58%
574	Haltom City	7.0	7.6	1.1	-0.5%	17.2	0.49%	4.91%
576	Hamilton	4.5	4.9	1.2	-1.4%	16.5	0.28%	2.84%
578	Hamin	4.8	4.7	1.1	-4.1%	13.6	0.31%	3.11%
580	Happy	6.9	5.9	2.0	-0.3%	14.4	0.27%	3.51%
581	Harker Heights	4.4	4.9	2.0	1.2%	19.4	0.30%	2.96%
10582	Harlingen	7.1	6.9	1.4	-3.0%	14.6	0.30%	2.99%
20582	Harlingen Waterworks Sys	4.6	4.7	1.0	-3.1%	15.0	0.27%	2.67%
583	Hart	1.3	1.5	4.0	6.3%	20.4	0.18%	1.76%
586	Haskell	1.8	1.2	2.9	0.9%	17.5	0.00%	0.26%
587	Haslet	2.7	2.5	3.9	5.1%	17.3	0.17%	1.74%
588	Hawkins	5.6	4.7	0.8	-0.3%	14.0	0.19%	1.97%
585	Hays	3.6	3.4	0.3	-1.3%	11.5	0.72%	7.22%
590	Hearne	4.0	4.4	1.6	0.7%	17.4	0.27%	2.67%
591	Heath	3.1	3.2	1.9	2.5%	19.2	0.20%	2.01%
592	Hedley	5.9	4.9	1.0	-0.3%	11.5	0.27%	2.75%
595	Hedwig Village	2.9	2.9	1.3	-3.0%	15.7	0.20%	1.97%
593	Helotes	2.4	2.4	3.1	3.0%	19.7	0.16%	1.60%
594	Hemphill	3.2	3.3	1.3	-2.9%	13.0	0.20%	2.01%
596	Hempstead	3.5	3.5	2.6	-1.0%	15.4	0.24%	2.42%
598	Henderson	5.5	6.0	1.8	0.8%	19.2	0.34%	3.43%
600	Henrietta	4.2	4.6	1.1	0.3%	15.6	0.29%	2.88%
602	Hereford	4.4	4.5	1.8	-0.5%	17.3	0.29%	2.91%
605	Hewitt	4.1	4.6	2.6	2.8%	19.9	0.29%	2.86%
609	Hickory Creek	3.1	3.5	1.6	4.9%	22.6	0.23%	2.33%
606	Hico	2.8	2.6	1.2	-0.3%	16.9	0.10%	2.05%
607	Hidalgo	4.4	4.4	2.8	1.7%	19.1	0.29%	2.94%
608	Higgins	4.3	4.0	0.7	-3.9%	11.0	0.15%	4.90%
610	Highland Park	6.7	6.4	0.9	-2.7%	14.6	0.43%	4.32%
611	Highland Village	4.9	5.1	1.5	1.4%	18.7	0.32%	3.22%
613	Hill Country Village	2.7	2.5	2.5	-0.4%	17.1	0.10%	1.63%
612	Hillsboro	4.8	5.1	1.2	0.3%	17.4	0.33%	3.27%
619	Hilshire Village	1.3	1.2	2.0	11.1%	16.5	0.21%	2.05%
614	Hitchcock	2.3	2.1	1.2	-3.2%	16.9	0.08%	1.36%
615	Holland	2.6	2.0	2.7	0.0%	14.1	0.10%	0.92%
616	Holiday	2.8	3.2	9.0	1.5%	15.8	0.19%	2.40%
617	Hollywood Park	3.4	3.5	1.4	1.4%	18.9	0.22%	2.23%
618	Hondo	3.7	3.6	1.4	-1.7%	17.7	0.25%	2.47%
620	Honey Grove	4.0	3.7	1.2	-3.3%	16.9	0.13%	2.51%
622	Hooks	3.4	3.7	1.9	0.5%	17.4	0.24%	2.36%
623	Horizon City	0.4	0.8	25.3	22.0%	23.9	0.03%	0.30%
626	Howe	3.0	2.7	1.3	0.4%	16.8	0.11%	1.66%
627	Hubbard	1.5	1.4	2.4	1.7%	20.2	0.05%	1.01%
628	Hudson	1.9	1.8	3.7	2.6%	15.9	0.15%	1.55%
629	Hudson Oaks	3.5	3.6	1.6	3.6%	22.8	0.22%	2.25%
630	Hughes Springs	8.3	7.2	2.8	-0.4%	14.2	0.30%	3.61%
632	Humble	5.5	5.6	1.5	0.0%	18.5	0.36%	3.56%
633	Hunters Creek Village	2.7	3.5	0.8	5.1%	15.6	0.27%	2.73%
634	Huntington	4.6	5.0	1.5	0.4%	16.9	0.30%	3.01%
636	Huntsville	5.9	6.8	1.2	-1.1%	16.0	0.40%	4.00%
637	Hurst	7.0	6.9	1.1	-2.6%	15.9	0.48%	4.77%
638	Hutchins	2.5	2.3	2.1	4.0%	21.4	0.09%	1.31%
640	Hutto	3.0	2.8	3.2	4.7%	22.1	0.12%	1.79%
641	Huxley	3.1	2.6	1.5	-1.8%	16.1	0.12%	1.21%
642	Idalou	1.2	1.1	NA	6.0%	22.4	0.05%	0.73%
643	Ingleside	3.2	2.9	1.7	-0.3%	16.9	0.12%	1.89%
646	Ingram	1.8	1.7	0.9	-0.8%	17.5	0.07%	1.07%
647	Iowa Colony	0.8	0.7	9.5	14.7%	21.4	0.03%	0.53%
644	Iowa Park	5.4	5.3	1.2	-0.2%	16.7	0.36%	3.62%
645	Iraan	4.7	5.5	1.2	0.4%	12.8	0.52%	5.18%
648	Irving	7.9	7.4	1.3	4.6%	16.1	0.51%	5.15%
650	Italy	0.8	0.9	1.7	4.6%	15.7	0.05%	0.52%
652	Itasca	3.8	3.2	2.1	-0.1%	17.5	0.13%	1.44%
654	Jacinto City	3.6	4.3	2.6	2.5%	16.3	0.22%	2.22%
656	Jacksboro	4.2	4.6	1.6	-0.7%	17.7	0.27%	2.71%
658	Jacksonville	5.2	5.3	1.1	-1.3%	17.6	0.35%	3.47%
660	Jasper	4.7	4.6	1.4	-1.9%	14.0	0.31%	3.12%
664	Jefferson	3.3	2.5	1.2	-4.1%	14.1	0.12%	1.23%
665	Jersey Village	4.0	4.3	1.4	0.3%	18.4	0.28%	2.82%
666	Jewett	4.6	5.1	1.3	-1.0%	15.1	0.56%	5.60%
668	Joaquin	1.3	1.5	0.8	-0.4%	13.5	0.14%	1.35%
670	Johnson City	3.3	3.4	2.0	1.1%	18.4	0.22%	2.22%
673	Jones Creek	1.5	1.5	1.4	2.4%	15.1	0.15%	1.47%
675	Jonestown	1.6	1.6	2.4	6.4%	17.7	0.11%	1.07%
677	Josephine	1.1	1.0	16.0	14.0%	23.4	0.07%	0.72%
671	Joshua	2.3	2.1	4.2	1.9%	18.6	0.08%	1.11%
672	Jourdanton	2.8	2.7	1.6	-0.1%	16.3	0.18%	1.82%
674	Junction	4.2	4.0	1.7	0.9%	16.5	0.28%	2.82%
676	Justin	1.2	1.2	3.5	8.7%	22.6	0.08%	0.80%
678	Karnes City	2.7	2.9	1.9	2.2%	18.3	0.18%	1.75%

Section 8
TEXAS MUNICIPAL RETIREMENT SYSTEM
RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY AND ACTUARIALLY DETERMINED CONTRIBUTION

City#	CityName	Ratio of MVA to Covered Pay	Ratio of AAL to Covered Pay	Ratio of Actives to Retirees (A/R)	Net Cash Flow as a Percentage of Market Value of Assets	Duration of Liabilities	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
680	Katy	3.7	3.8	3.3	2.2%	21.9	0.24%	2.42%
682	Kaufman	3.9	4.0	1.3	0.9%	17.7	0.28%	2.80%
683	Keene	4.5	4.5	1.6	-0.5%	18.5	0.30%	2.96%
681	Keller	5.9	6.3	1.4	0.3%	18.3	0.40%	4.04%
685	Kemah	3.0	2.8	1.4	0.3%	18.7	0.10%	1.90%
684	Kemp	1.8	2.0	1.6	5.8%	19.9	0.13%	1.25%
689	Kempner	0.1	0.1	NA	83.0%	29.7	0.00%	0.06%
686	Kenedy	1.4	1.7	3.7	2.7%	20.9	0.09%	0.92%
688	Kennedale	4.2	4.4	1.0	1.5%	19.8	0.31%	3.09%
690	Kerens	0.9	1.5	10.0	16.3%	18.5	0.07%	0.73%
692	Kermit	4.4	5.0	1.7	0.7%	15.8	0.30%	2.97%
10694	Kerrville	5.1	5.1	1.2	-0.8%	17.3	0.33%	3.32%
20694	Kerrville PUB	7.6	7.6	1.1	-0.9%	16.4	0.52%	5.22%
10696	Kilgore	6.4	6.6	0.9	-2.5%	16.7	0.42%	4.19%
698	Killeen	4.2	4.7	1.5	-0.7%	16.6	0.29%	2.85%
700	Kingsville	6.0	5.8	1.4	-1.7%	16.3	0.40%	3.97%
701	Kirby	4.6	4.8	1.1	-0.6%	18.7	0.30%	3.01%
702	Kirbyville	2.2	2.4	1.3	-0.9%	14.7	0.15%	1.48%
704	Knox City	2.7	2.2	1.0	-2.2%	14.5	0.09%	0.96%
706	Kosse	0.4	0.3	4.0	23.2%	23.9	0.02%	0.15%
708	Kountze	1.2	1.4	5.2	3.0%	18.7	0.08%	0.79%
709	Kress	10.0	6.5	0.5	-4.2%	13.3	0.00%	0.00%
699	Krugerville	1.5	1.4	3.0	9.4%	20.0	0.12%	1.30%
707	Krum	1.2	1.2	3.7	9.5%	22.7	0.08%	0.84%
710	Kyle	2.3	2.4	6.3	6.7%	23.7	0.15%	1.53%
725	La Coste	1.7	1.5	1.4	3.4%	14.3	0.06%	0.79%
714	La Feria	3.2	3.7	1.5	2.8%	17.3	0.22%	2.21%
716	La Grange	6.1	6.2	1.4	0.0%	15.1	0.42%	4.16%
723	La Grulla	2.8	1.8	1.4	-1.0%	17.6	0.11%	1.09%
732	La Joya	0.7	1.1	5.1	4.5%	18.0	0.05%	0.47%
721	La Marque	3.6	4.0	1.2	0.8%	20.0	0.26%	2.59%
728	La Porte	7.1	7.4	1.4	-1.3%	16.6	0.47%	4.69%
731	La Vernia	0.8	0.9	5.5	9.6%	21.1	0.05%	0.53%
711	Lacy-Lakeview	4.2	4.5	1.7	1.2%	19.8	0.28%	2.82%
712	Ladonia	1.7	1.1	0.8	-5.7%	22.5	0.06%	0.59%
713	Lago Vista	2.6	2.6	2.4	2.6%	16.8	0.18%	1.81%
705	Laguna Vista	1.4	1.1	18.0	4.3%	17.3	0.05%	0.51%
717	Lake Dallas	5.0	5.0	0.8	-0.4%	17.3	0.34%	3.38%
718	Lake Jackson	6.3	6.2	1.3	-2.2%	16.0	0.40%	4.00%
719	Lake Worth	4.0	4.6	1.8	2.1%	20.5	0.27%	2.71%
727	Lakeport	2.8	1.8	4.0	1.5%	16.1	0.10%	0.98%
715	Lakeside	2.4	2.6	2.6	6.4%	17.0	0.15%	1.51%
729	Lakeside City	1.5	1.4	1.3	5.0%	15.8	0.18%	1.76%
720	Lakeway	3.4	3.8	1.6	3.4%	19.5	0.23%	2.28%
722	Lamesa	4.8	4.2	1.4	-3.2%	13.5	0.17%	2.08%
724	Lampasas	5.1	5.6	1.7	0.8%	18.6	0.34%	3.36%
726	Lancaster	4.9	5.4	1.2	-0.1%	18.6	0.34%	3.42%
730	Laredo	5.5	6.3	1.9	0.8%	18.3	0.36%	3.60%
733	Lavon	1.6	2.5	2.9	7.1%	19.6	0.11%	1.07%
736	League City	4.5	4.8	2.0	0.9%	18.9	0.30%	2.97%
737	Leander	2.1	2.3	4.9	7.2%	22.8	0.14%	1.43%
735	Lefors	0.7	0.6	NA	13.3%	18.5	0.08%	0.77%
739	Leon Valley	6.5	7.0	0.8	-2.3%	16.2	0.45%	4.51%
738	Leonard	1.8	1.4	1.1	-0.8%	17.6	0.06%	0.62%
740	Levelland	6.5	6.1	1.5	-1.9%	16.8	0.42%	4.23%
742	Lewisville	5.9	6.2	1.5	-0.2%	18.5	0.39%	3.90%
744	Lexington	4.1	4.1	1.1	-1.7%	16.9	0.34%	3.37%
746	Liberty	2.8	3.3	1.9	3.0%	16.4	0.21%	2.11%
745	Liberty Hill	0.7	0.6	10.6	18.6%	23.6	0.03%	0.45%
748	Lindale	3.0	3.6	2.9	3.2%	17.5	0.20%	2.04%
750	Linden	1.7	1.4	1.9	-2.3%	14.8	0.06%	0.62%
749	Lindsay	0.3	0.3	NA	29.3%	16.3	0.03%	0.33%
755	Lipan	1.4	1.3	4.0	4.1%	16.3	0.04%	1.20%
751	Little Elm	2.4	2.6	4.5	6.1%	23.2	0.16%	1.62%
752	Littlefield	4.1	3.9	1.4	-0.3%	16.7	0.26%	2.68%
753	Live Oak	6.5	6.9	1.4	0.6%	17.2	0.43%	4.31%
757	Liverpool	0.6	0.6	NA	9.8%	21.6	0.02%	0.64%
754	Livingston	6.6	6.9	1.9	-0.6%	16.3	0.44%	4.36%
756	Llano	3.6	3.9	1.0	1.6%	15.5	0.24%	2.41%
758	Lockhart	5.0	5.3	1.6	-0.3%	17.3	0.34%	3.37%
760	Lockney	3.3	1.5	4.0	0.3%	18.3	0.00%	0.00%
764	Lone Oak	0.1	0.8	NA	100.0%	22.1	0.00%	0.04%
765	Lone Star	4.2	3.6	0.8	-2.2%	14.1	0.15%	1.87%
766	Longview	5.8	6.0	1.1	-2.1%	15.6	0.39%	3.85%
768	Lorraine	1.6	1.3	1.5	1.7%	19.1	0.06%	0.56%
769	Lorena	3.2	3.2	1.5	3.3%	17.6	0.21%	2.07%
770	Lorenzo	3.2	1.9	1.0	0.1%	19.9	0.11%	1.14%
771	Los Fresnos	2.5	2.6	3.2	1.5%	18.5	0.16%	1.65%
773	Lott	0.9	0.8	1.3	5.3%	16.5	0.04%	0.58%
774	Lovelady	1.2	1.2	3.0	12.0%	23.0	0.17%	1.66%

Section 8
TEXAS MUNICIPAL RETIREMENT SYSTEM
RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY AND ACTUARIALLY DETERMINED CONTRIBUTION

City#	CityName	Ratio of MVA to Covered Pay	Ratio of AAL to Covered Pay	Ratio of Actives to Retirees (A/R)	Net Cash Flow as a Percentage of Market Value of Assets	Duration of Liabilities	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
778	Lubbock	7.0	7.4	1.2	-1.9%	16.4	0.46%	4.56%
779	Lucas	2.2	2.2	1.8	7.3%	23.9	0.15%	1.48%
782	Lufkin	6.8	7.2	1.1	-2.5%	15.8	0.44%	4.40%
784	Luling	2.9	2.7	2.1	0.5%	16.3	0.13%	1.89%
785	Lumberton	4.8	5.1	1.5	2.2%	17.9	0.32%	3.21%
786	Lyford	1.6	1.5	6.5	2.4%	14.5	0.12%	1.16%
787	Lytle	3.5	3.6	5.0	4.0%	18.5	0.23%	2.29%
790	Madisonville	3.2	3.2	1.5	0.7%	17.6	0.21%	2.07%
791	Magnolia	1.3	1.2	2.4	4.5%	19.4	0.05%	0.66%
792	Malakoff	2.3	1.9	1.8	-3.2%	16.7	0.08%	0.83%
796	Manor	1.3	1.5	6.9	8.9%	22.9	0.09%	0.88%
798	Mansfield	5.0	5.4	1.9	0.7%	19.9	0.34%	3.41%
799	Manvel	1.2	1.4	5.0	8.2%	20.6	0.08%	0.83%
800	Marble Falls	3.8	4.3	1.2	-0.4%	18.1	0.26%	2.57%
802	Marfa	2.3	2.0	1.8	-0.3%	15.0	0.08%	0.82%
804	Marion	3.1	2.4	1.4	-0.1%	15.1	0.10%	1.07%
806	Marlin	2.6	2.6	1.0	0.0%	18.4	0.18%	1.79%
808	Marquez	0.8	1.6	2.0	25.7%	12.7	0.11%	1.14%
810	Marshall	7.3	7.6	0.9	-2.5%	15.6	0.49%	4.92%
812	Mart	3.0	2.1	1.3	0.3%	19.2	0.11%	1.13%
813	Martindale	2.1	1.9	2.0	7.6%	14.3	0.08%	1.70%
814	Mason	3.3	3.3	1.3	-2.3%	16.1	0.21%	2.06%
816	Matador	2.1	1.9	2.0	-9.6%	10.4	0.08%	2.24%
818	Mathis	2.3	1.7	1.6	0.5%	18.2	0.08%	0.81%
820	Maud	0.9	1.0	NA	7.7%	17.3	0.10%	1.05%
822	Maypearl	1.2	1.0	3.0	-1.2%	18.5	0.04%	0.41%
824	McAllen	4.4	4.3	2.5	-1.1%	16.5	0.28%	2.81%
826	McCamey	3.9	3.5	4.7	1.6%	15.4	0.14%	2.03%
828	McGregor	3.7	3.9	1.2	0.4%	17.7	0.24%	2.43%
830	McKinney	3.9	4.2	3.0	3.0%	20.8	0.26%	2.58%
832	McLean	2.2	2.1	3.0	1.1%	12.6	0.19%	2.34%
833	McLendon-Chisholm	0.6	0.5	5.0	21.2%	23.3	0.02%	0.17%
834	Meadow	0.6	0.7	6.0	10.9%	19.2	0.06%	0.58%
831	Meadowlakes	1.1	1.0	9.5	3.2%	15.7	0.04%	0.56%
835	Meadows Place	4.2	4.4	1.5	-0.8%	15.3	0.28%	2.80%
837	Melissa	1.8	2.3	2.8	17.5%	23.6	0.13%	1.29%
1501	Memorial Villages PD	3.9	4.3	1.0	-4.0%	14.2	0.27%	2.69%
840	Memphis	5.1	5.3	2.2	-0.6%	15.7	0.34%	3.40%
842	Menard	6.1	4.6	1.5	-3.6%	13.2	0.00%	1.78%
844	Mercedes	4.4	4.8	1.6	-0.2%	18.6	0.28%	2.80%
846	Meridian	2.4	2.0	4.5	1.3%	16.6	0.08%	0.84%
848	Merkel	3.4	3.7	2.0	0.8%	18.9	0.22%	2.24%
852	Mertzon	1.8	2.5	2.5	0.9%	17.6	0.20%	1.97%
854	Mesquite	6.4	6.7	1.2	-2.2%	15.8	0.43%	4.30%
856	Mexia	5.9	5.7	1.2	-0.3%	18.0	0.38%	3.84%
858	Miami	1.9	2.1	NA	8.1%	10.1	0.27%	2.65%
860	Midland	6.2	6.6	1.2	-1.8%	16.4	0.41%	4.12%
862	Midlothian	3.2	3.5	2.5	3.7%	21.5	0.22%	2.16%
863	Milano	1.2	1.2	NA	13.8%	8.5	0.20%	1.99%
864	Miles	1.9	1.4	6.0	-0.6%	15.8	0.07%	0.74%
865	Milford	3.4	3.3	1.0	-3.3%	15.7	0.36%	3.58%
868	Mineola	4.0	4.1	1.3	-0.3%	17.5	0.26%	2.60%
870	Mineral Wells	4.1	4.1	1.4	-1.8%	17.0	0.27%	2.73%
874	Mission	3.3	3.3	3.0	1.4%	19.1	0.22%	2.24%
875	Missouri City	5.2	5.1	1.6	-1.0%	16.7	0.34%	3.37%
876	Monahans	3.9	3.8	2.5	0.1%	16.8	0.26%	2.57%
887	Mont Belvieu	2.5	2.7	5.2	4.5%	21.2	0.15%	1.53%
877	Montgomery	1.3	1.3	2.5	10.0%	23.5	0.09%	0.86%
878	Moody	2.0	2.0	2.2	-2.2%	13.4	0.15%	1.48%
883	Morgan's Point	5.7	5.5	0.7	-0.8%	16.2	0.45%	4.48%
882	Morgan's Point Resort	3.4	3.5	1.1	2.6%	20.5	0.23%	2.31%
884	Morton	9.2	7.6	1.8	-8.6%	15.8	0.32%	3.24%
886	Moulton	5.8	5.3	0.7	-2.7%	14.0	0.20%	4.05%
890	Mount Enterprise	2.6	2.4	2.0	-2.1%	12.9	0.09%	3.42%
892	Mt. Pleasant	4.7	5.1	1.5	1.3%	18.6	0.32%	3.18%
894	Mt. Vernon	4.5	4.1	1.6	1.8%	17.9	0.17%	2.97%
896	Muenster	3.8	2.9	1.0	-2.8%	14.5	0.14%	1.35%
898	Muleshoe	7.0	7.9	1.1	-1.2%	15.2	0.47%	4.71%
901	Munday	1.4	1.6	1.8	1.1%	16.0	0.14%	1.43%
903	Murphy	3.5	3.6	1.8	3.4%	20.9	0.23%	2.34%
10904	Nacogdoches	6.3	6.6	1.2	-1.7%	16.6	0.42%	4.22%
906	Naples	2.4	1.7	0.9	-4.5%	15.2	0.08%	0.82%
907	Nash	3.0	4.0	1.8	5.2%	19.5	0.20%	2.05%
905	Nassau Bay	3.8	3.9	1.4	2.5%	17.4	0.27%	2.68%
909	Natalia	1.0	1.0	3.0	3.6%	16.8	0.07%	0.74%
908	Navasota	4.1	3.8	1.7	-1.9%	17.5	0.15%	2.59%
910	Nederland	7.4	6.7	1.1	-2.4%	15.4	0.26%	4.12%
912	Needville	3.5	3.3	1.8	0.7%	13.5	0.23%	2.33%
914	New Boston	3.2	2.5	2.1	-1.0%	14.6	0.11%	1.13%
10916	New Braunfels	4.1	4.8	2.1	2.1%	20.2	0.27%	2.72%

Section 8
TEXAS MUNICIPAL RETIREMENT SYSTEM
RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY AND ACTUARIALLY DETERMINED CONTRIBUTION

City#	CityName	Ratio of MVA to Covered Pay	Ratio of AAL to Covered Pay	Ratio of Actives to Retirees (A/R)	Net Cash Flow as a Percentage of Market Value of Assets	Duration of Liabilities	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
20916	New Braunfels Utilities	4.0	4.6	2.4	1.5%	19.2	0.28%	2.80%
915	New Deal	2.5	2.0	1.0	-2.6%	14.6	0.09%	0.81%
923	New Fairview	1.0	0.8	3.0	16.9%	25.5	0.03%	0.33%
918	New London	5.1	4.5	1.0	-0.3%	14.7	0.19%	4.02%
919	New Summerfield	1.8	1.7	1.8	5.0%	22.0	0.06%	1.35%
917	New Waverly	3.2	3.4	1.7	3.3%	12.5	0.38%	3.76%
913	Newark	0.4	0.4	5.0	11.9%	26.0	0.01%	0.30%
920	Newton	5.5	6.1	1.9	1.2%	16.1	0.35%	3.48%
922	Nixon	1.3	1.1	2.9	1.5%	17.0	0.05%	0.48%
924	Nocona	3.9	4.1	1.0	0.0%	15.2	0.29%	2.86%
925	Nolanville	0.4	0.5	7.3	8.7%	25.5	0.03%	0.30%
928	Normangee	1.2	0.9	3.0	2.1%	18.1	0.04%	0.47%
931	North Richland Hills	7.5	7.8	1.2	-1.1%	17.4	0.50%	5.03%
930	Northlake	1.5	1.6	15.0	8.6%	23.9	0.10%	0.98%
935	O'Donnell	1.9	1.9	1.3	-2.3%	15.7	0.24%	2.41%
936	Oak Point	1.7	1.7	3.1	5.8%	21.5	0.12%	1.15%
937	Oak Ridge North	4.9	5.1	2.7	0.6%	17.6	0.32%	3.24%
942	Odem	1.6	1.6	2.0	2.6%	15.1	0.10%	1.01%
944	Odessa	6.5	6.8	1.2	-2.1%	16.1	0.42%	4.22%
945	Oglesby	1.5	1.4	1.0	-3.1%	18.1	0.23%	2.35%
949	Old River-Winfree	2.6	1.7	NA	1.9%	13.6	0.00%	0.45%
950	Olmos Park	3.5	3.0	1.0	-2.3%	17.0	0.12%	1.37%
951	Olney	1.8	1.7	1.8	4.6%	17.2	0.13%	1.33%
953	Omaha	1.6	1.8	2.0	1.0%	13.5	0.16%	1.60%
954	Onalaska	0.9	0.6	4.3	7.5%	22.2	0.03%	0.29%
958	Orange	8.3	8.4	1.0	-2.5%	15.7	0.55%	5.45%
960	Orange Grove	4.3	3.7	1.2	-1.9%	14.9	0.15%	1.88%
957	Orchard	0.2	2.8	NA	100.0%	17.7	0.00%	0.05%
959	Ore City	1.4	1.2	2.3	-2.7%	18.3	0.05%	0.57%
962	Overton	2.9	2.2	1.1	-0.9%	16.6	0.10%	1.03%
961	Ovilla	2.5	2.6	1.9	4.6%	20.0	0.17%	1.72%
963	Oyster Creek	3.5	3.4	0.9	-1.0%	16.7	0.23%	2.25%
964	Paducah	5.4	3.8	0.7	-6.1%	12.6	0.00%	1.60%
966	Palacios	3.8	4.2	1.2	1.2%	17.0	0.27%	2.70%
968	Palestine	5.2	5.7	1.0	-1.7%	17.0	0.34%	3.43%
970	Palmer	2.5	2.6	3.8	4.9%	23.0	0.16%	1.63%
969	Palmhurst	1.1	1.1	5.2	7.4%	24.4	0.08%	0.76%
971	Palmview	0.7	0.7	16.8	6.7%	24.4	0.05%	0.46%
972	Pampa	5.2	6.0	1.1	-1.2%	16.4	0.34%	3.43%
974	Panhandle	4.4	4.7	1.2	0.1%	16.0	0.29%	2.92%
973	Panorama Village	3.3	2.8	0.9	-1.7%	14.4	0.12%	1.22%
975	Pantego	6.2	6.4	0.7	-1.6%	17.0	0.40%	4.05%
976	Paris	5.9	5.6	1.0	-2.5%	14.2	0.38%	4.09%
977	Parker	2.3	2.7	1.9	3.0%	17.9	0.16%	1.57%
978	Pasadena	7.7	7.6	1.2	-2.0%	16.0	0.49%	4.92%
983	Pearland	3.3	3.6	2.6	2.9%	21.6	0.23%	2.26%
984	Pearsall	2.7	2.6	2.5	-1.4%	16.4	0.18%	1.79%
988	Pecos City	2.7	2.6	1.9	-0.2%	17.4	0.17%	1.72%
989	Pelican Bay	0.4	0.6	NA	22.5%	24.7	0.03%	0.26%
991	Penitas	0.6	0.6	19.5	10.4%	25.3	0.04%	0.39%
994	Perryton	7.2	6.9	1.6	-0.9%	15.2	0.47%	4.69%
1000	Pflugerville	3.4	3.8	2.7	2.6%	20.8	0.23%	2.31%
1002	Pharr	2.6	3.0	2.8	0.7%	20.4	0.18%	1.83%
1004	Pilot Point	2.0	2.1	2.4	5.3%	22.0	0.13%	1.33%
1005	Pinehurst	5.6	6.5	0.7	-0.8%	16.2	0.35%	3.53%
1003	Pineland	7.3	6.2	1.3	-4.0%	14.3	0.25%	2.75%
1001	Piney Point Village	1.7	1.6	0.8	2.6%	15.5	0.17%	1.72%
1006	Pittsburg	5.6	5.4	1.5	-1.0%	17.1	0.39%	3.86%
1007	Plains	6.0	5.3	1.3	-1.0%	14.0	0.21%	3.47%
1008	Plainview	7.7	7.5	1.0	-2.5%	15.1	0.51%	5.14%
1010	Plano	6.9	7.0	1.5	-0.5%	17.5	0.46%	4.61%
1012	Pleasanton	3.5	4.1	1.9	2.6%	19.0	0.23%	2.31%
1013	Point	2.9	2.5	1.8	1.6%	18.1	0.10%	1.40%
1017	Ponder	1.6	1.6	4.0	6.1%	14.0	0.11%	1.07%
1014	Port Aransas	2.7	3.0	1.9	2.2%	18.3	0.18%	1.82%
11016	Port Arthur	5.4	5.7	1.1	-1.9%	15.6	0.35%	3.53%
1018	Port Isabel	2.9	3.2	1.7	0.0%	20.2	0.21%	2.07%
1020	Port Lavaca	2.9	2.8	1.3	-1.2%	18.0	0.20%	2.04%
1022	Port Neches	7.1	7.3	1.1	-1.7%	15.8	0.47%	4.71%
1019	Portland	3.3	4.0	1.8	2.8%	19.0	0.23%	2.27%
1024	Post	2.3	3.1	1.5	0.1%	16.0	0.16%	1.57%
1026	Poteet	2.1	1.6	1.7	-2.0%	16.0	0.08%	0.76%
1028	Poth	1.8	1.9	2.8	2.8%	14.0	0.14%	1.42%
1030	Pottsboro	2.1	2.1	1.5	4.5%	19.2	0.14%	1.41%
1031	Prairie View	0.4	0.5	25.0	12.3%	20.1	0.03%	0.29%
1032	Premont	2.3	1.3	1.6	-3.5%	14.3	0.00%	0.00%
1029	Presidio	1.4	1.1	6.0	1.3%	17.9	0.05%	0.50%
1033	Primera	1.2	0.9	4.5	2.5%	17.5	0.04%	0.45%
1034	Princeton	1.7	1.8	5.9	8.0%	23.8	0.12%	1.17%
1036	Prosper	1.7	1.9	9.2	11.2%	24.9	0.12%	1.15%

Section 8
TEXAS MUNICIPAL RETIREMENT SYSTEM
RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY AND ACTUARIALLY DETERMINED CONTRIBUTION

City#	CityName	Ratio of MVA to Covered Pay	Ratio of AAL to Covered Pay	Ratio of Actives to Retirees (A/R)	Net Cash Flow as a Percentage of Market Value of Assets	Duration of Liabilities	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
1037	Providence Village	0.8	0.8	11.0	15.0%	22.5	0.06%	0.56%
1042	Quannah	6.1	5.1	0.8	-2.0%	15.1	0.23%	2.34%
1045	Queen City	1.9	1.6	2.2	1.4%	16.3	0.07%	0.71%
1044	Quinlan	1.6	1.4	4.8	9.2%	24.3	0.06%	0.83%
1047	Quintana	0.7	0.7	NA	22.3%	19.1	0.04%	0.41%
1046	Quitaque	2.2	2.2	4.0	3.1%	13.9	0.28%	2.83%
1048	Quitman	5.1	4.5	2.2	0.6%	15.5	0.19%	2.38%
1050	Ralls	6.1	5.7	0.7	-4.8%	13.9	0.23%	5.44%
1051	Rancho Viejo	4.8	4.4	2.4	-6.9%	17.9	0.17%	2.97%
1052	Ranger	3.2	2.7	4.2	2.2%	18.8	0.11%	1.13%
1054	Rankin	4.1	3.9	2.0	1.8%	16.6	0.27%	2.75%
1055	Ransom Canyon	3.6	4.2	2.2	4.1%	16.2	0.27%	2.67%
1058	Raymondville	4.4	3.5	1.4	-1.9%	17.0	0.17%	1.65%
1061	Red Oak	1.7	1.7	2.8	5.5%	21.8	0.11%	1.15%
1062	Redwater	1.4	1.3	9.0	6.5%	17.1	0.12%	1.16%
1064	Refugio	2.6	1.7	1.9	-0.8%	14.5	0.00%	0.00%
1065	Reklaw	7.3	7.5	1.0	-3.6%	14.6	0.79%	7.88%
1066	Reno (Lamar County)	2.2	1.8	7.5	1.8%	20.6	0.08%	0.81%
1069	Reno (Parker County)	0.9	0.7	1.6	3.9%	20.6	0.03%	0.31%
1067	Rhome	1.7	1.4	1.4	2.3%	18.9	0.06%	0.61%
1068	Rice	0.9	0.7	2.4	-1.8%	21.8	0.03%	0.30%
1070	Richardson	7.9	8.0	1.1	-2.2%	15.5	0.53%	5.27%
1073	Richland Hills	7.7	7.8	0.6	-1.8%	16.9	0.50%	4.96%
1074	Richland Springs	9.6	4.0	0.5	-3.9%	13.6	0.00%	0.00%
1076	Richmond	5.4	5.6	1.7	0.1%	19.0	0.36%	3.57%
1077	Richwood	3.4	3.7	1.1	-0.8%	16.9	0.23%	2.27%
1072	Riesel	1.5	1.8	3.5	3.7%	18.8	0.14%	1.45%
1075	Rio Grande City	2.3	2.3	4.6	2.6%	21.8	0.15%	1.54%
1079	Rio Vista	2.0	1.9	2.0	1.8%	16.2	0.22%	2.24%
1080	Rising Star	1.1	0.6	2.7	0.9%	15.1	0.04%	0.40%
1082	River Oaks	4.7	4.7	1.3	0.0%	18.1	0.33%	3.25%
1084	Roanoke	3.9	4.4	3.2	4.0%	21.0	0.27%	2.69%
1088	Robert Lee	0.8	0.9	1.7	-2.4%	21.1	0.10%	0.97%
1089	Robinson	3.8	4.3	2.3	2.7%	17.9	0.26%	2.55%
21090	Robstown	4.3	4.1	1.3	-1.8%	17.7	0.27%	2.67%
11090	Robstown Utility Systems	6.3	7.2	1.0	-1.3%	14.5	0.43%	4.32%
1092	Roby	8.6	7.7	0.5	-5.7%	13.2	0.34%	9.95%
1096	Rockdale	3.2	3.2	1.5	-0.3%	17.4	0.21%	2.09%
1098	Rockport	5.0	5.5	1.4	0.0%	16.5	0.34%	3.37%
1100	Rocksprings	1.6	1.3	4.0	0.2%	16.8	0.06%	0.58%
1102	Rockwall	4.8	5.0	2.3	1.2%	19.4	0.32%	3.18%
1104	Rogers	2.5	2.6	1.3	-0.9%	16.0	0.21%	2.12%
1105	Rollingwood	2.3	2.4	1.2	3.5%	19.9	0.17%	1.67%
1106	Roma	3.7	3.7	2.2	-0.5%	18.1	0.24%	2.42%
1109	Roscoe	2.0	1.8	1.2	-3.8%	12.4	0.07%	1.55%
1112	Rosebud	1.1	1.0	1.3	1.6%	15.3	0.04%	0.58%
1114	Rosenberg	4.7	5.3	1.4	1.0%	20.3	0.31%	3.10%
1116	Rotan	3.1	2.1	2.5	1.0%	14.6	0.00%	0.00%
1118	Round Rock	4.6	5.0	2.3	1.8%	19.9	0.30%	3.04%
1119	Rowlett	5.2	5.4	1.5	0.0%	18.3	0.34%	3.42%
1120	Royse City	2.4	2.7	3.1	7.5%	22.1	0.16%	1.60%
1122	Rule	2.8	2.0	2.0	-2.3%	16.2	0.12%	1.22%
1123	Runaway Bay	1.3	1.0	1.4	2.8%	17.5	0.05%	0.50%
1124	Runge	5.3	5.5	2.5	4.1%	13.7	0.56%	5.58%
1126	Rusk	3.4	3.0	1.8	0.0%	17.9	0.13%	1.70%
1128	Sabinal	3.0	2.4	2.0	-3.3%	13.8	0.11%	1.07%
1129	Sachse	3.7	4.0	1.6	2.6%	20.4	0.25%	2.50%
1131	Saginaw	4.5	5.5	2.2	1.7%	19.2	0.30%	2.97%
1130	Saint Jo	2.5	1.9	1.2	-3.1%	14.8	0.10%	0.95%
1133	Salado	1.7	1.3	2.0	3.1%	17.6	0.06%	0.61%
1132	San Angelo	6.5	7.2	1.1	-1.9%	15.8	0.43%	4.29%
21136	San Antonio	4.7	4.9	1.3	-1.5%	15.6	0.31%	3.06%
11136	San Antonio Water System	2.1	2.1	1.2	-0.9%	15.9	0.14%	1.35%
1138	San Augustine	4.9	4.7	1.4	-1.9%	15.9	0.35%	3.54%
1140	San Benito	2.4	2.4	1.5	-1.5%	16.7	0.16%	1.62%
1144	San Felipe	1.9	1.9	1.0	-0.5%	16.0	0.23%	2.30%
1148	San Juan	1.9	1.7	2.7	2.1%	19.6	0.06%	1.07%
1150	San Marcos	4.9	5.5	1.8	0.7%	18.7	0.32%	3.23%
1152	San Saba	3.4	3.5	1.8	0.5%	17.1	0.24%	2.37%
1146	Sanger	2.7	2.9	2.5	1.6%	18.5	0.19%	1.85%
1153	Sansom Park	1.8	1.5	2.2	5.7%	23.1	0.06%	0.68%
1155	Santa Fe	4.1	5.1	1.7	1.4%	18.2	0.28%	2.81%
1158	Savoy	3.1	2.2	1.3	-1.4%	17.4	0.12%	1.12%
1159	Schertz	3.4	4.0	2.6	3.2%	21.0	0.24%	2.36%
1160	Schulenburg	7.4	7.8	1.2	-1.8%	15.3	0.48%	4.83%
1161	Seabrook	5.4	5.7	1.3	-0.5%	16.8	0.35%	3.51%
1162	Seadrift	1.5	1.5	6.3	6.3%	17.0	0.09%	0.95%
1164	Seagoville	3.7	3.9	1.5	2.0%	18.1	0.25%	2.52%
1166	Seagraves	2.7	2.7	1.1	-0.9%	16.3	0.19%	1.85%
1167	Sealy	4.7	4.9	2.3	1.7%	18.9	0.31%	3.09%

Section 8
TEXAS MUNICIPAL RETIREMENT SYSTEM
RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY AND ACTUARIALLY DETERMINED CONTRIBUTION

City#	CityName	Ratio of MVA to Covered Pay	Ratio of AAL to Covered Pay	Ratio of Actives to Retirees (A/R)	Net Cash Flow as a Percentage of Market Value of Assets	Duration of Liabilities	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
1168	Seguin	4.2	5.4	1.5	1.2%	18.0	0.29%	2.87%
1169	Selma	4.1	4.5	2.8	2.4%	21.7	0.27%	2.73%
1170	Seminole	6.4	6.4	1.4	-0.7%	15.8	0.42%	4.18%
1171	Seven Points	2.7	1.4	3.3	0.9%	20.4	0.12%	1.15%
1172	Seymour	4.7	4.7	1.0	-3.3%	13.5	0.32%	3.16%
1165	Shady Shores	1.1	1.1	NA	15.8%	20.4	0.18%	1.77%
1177	Shallowater	2.8	2.5	1.9	0.0%	16.8	0.11%	1.47%
1174	Shamrock	3.9	4.3	0.8	-4.0%	12.1	0.26%	2.64%
1173	Shavano Park	3.3	3.5	1.3	3.5%	21.8	0.23%	2.28%
1175	Shenandoah	4.0	4.7	1.9	4.0%	20.3	0.28%	2.81%
1181	Shepherd	3.0	2.1	2.5	-2.8%	14.9	0.10%	0.98%
1176	Sherman	5.6	5.9	1.2	-1.8%	17.1	0.37%	3.69%
1178	Shiner	3.2	3.6	1.6	-0.8%	14.6	0.21%	2.12%
1179	Shoreacres	4.6	3.9	0.9	-0.6%	14.5	0.16%	1.65%
1180	Silsbee	5.7	6.5	1.1	-0.4%	16.7	0.37%	3.67%
1182	Silverton	7.0	6.3	1.3	-5.2%	13.9	0.23%	5.99%
1183	Simonton	0.2	0.4	NA	30.2%	25.2	0.04%	0.40%
1184	Sinton	5.6	6.0	1.4	0.2%	17.8	0.38%	3.76%
1185	Skellytown	2.3	1.7	5.0	2.0%	17.7	0.08%	0.79%
1186	Slaton	4.6	4.4	1.4	-2.5%	16.0	0.32%	3.17%
1188	Smithville	2.7	2.7	2.0	0.7%	16.5	0.18%	1.81%
1189	Smyer	4.6	4.3	NA	3.8%	12.5	0.17%	6.62%
1190	Snyder	7.0	7.2	1.2	-1.8%	16.5	0.45%	4.52%
1191	Somerset	0.8	0.7	2.6	3.9%	21.3	0.03%	0.31%
1192	Somerville	2.6	2.2	0.9	0.4%	17.5	0.10%	0.96%
1194	Sonora	3.7	3.6	1.1	-1.7%	16.9	0.25%	2.49%
1196	Sour Lake	2.5	2.1	2.1	2.6%	17.9	0.09%	0.91%
1198	South Houston	5.2	5.1	1.5	-1.6%	15.7	0.35%	3.45%
1199	South Padre Island	5.0	4.9	2.0	0.3%	19.5	0.33%	3.35%
1197	Southlake	4.7	4.9	2.3	1.1%	19.3	0.31%	3.08%
1200	Southmayd	0.6	0.6	7.0	10.1%	22.5	0.06%	0.60%
1202	Southside Place	4.1	4.2	1.1	-0.1%	16.3	0.27%	2.71%
1204	Spearman	6.6	6.3	1.1	-3.8%	15.3	0.42%	4.21%
1201	Splendora	0.4	0.9	17.0	23.1%	23.3	0.03%	0.30%
1205	Spring Valley Village	3.7	3.6	1.1	-1.5%	15.6	0.26%	2.62%
1203	Springtown	3.6	3.0	1.5	0.7%	20.1	0.13%	1.31%
1206	Spur	4.2	4.0	1.5	-1.5%	13.7	0.37%	3.67%
1207	Stafford	5.2	5.1	1.9	0.4%	19.1	0.33%	3.28%
1208	Stamford	4.6	3.8	0.7	-3.0%	14.3	0.16%	1.63%
1210	Stanton	3.2	3.0	2.6	-0.9%	16.6	0.21%	2.06%
1211	Star Harbor	4.9	5.2	0.6	-2.1%	16.7	0.65%	6.55%
1212	Stephenville	5.3	4.7	1.4	-2.9%	16.6	0.19%	2.60%
1213	Sterling City	2.2	2.0	2.0	1.1%	14.6	0.07%	1.50%
1214	Stinnett	3.5	2.6	1.9	-3.1%	15.2	0.00%	0.92%
1216	Stockdale	1.0	1.0	9.0	12.9%	13.2	0.08%	0.81%
1218	Stratford	2.4	2.5	1.4	2.8%	19.8	0.17%	1.73%
1224	Sudan	2.4	2.1	4.0	-0.2%	15.6	0.09%	1.43%
1225	Sugar Land	5.3	5.5	2.5	0.7%	19.3	0.35%	3.46%
1223	Sullivan City	0.1	1.0	NA	100.0%	32.9	0.00%	0.01%
1226	Sulphur Springs	5.4	5.2	1.1	-1.9%	15.0	0.36%	3.58%
1228	Sundown	6.8	6.9	0.8	-2.9%	14.3	0.46%	4.56%
1229	Sunnyvale	1.7	1.7	3.3	7.3%	22.5	0.12%	1.17%
1230	Sunray	5.1	5.1	1.5	-0.4%	16.6	0.37%	3.71%
1227	Sunrise Beach Village	0.8	0.7	2.8	-5.4%	19.1	0.03%	0.43%
1231	Sunset Valley	4.6	4.5	1.8	0.5%	19.6	0.31%	3.14%
1233	Surfside Beach	0.9	0.7	3.4	5.1%	19.2	0.03%	0.32%
1232	Sweeny	5.4	5.9	1.3	-3.2%	15.6	0.34%	3.42%
1234	Sweetwater	5.8	6.2	1.2	-1.5%	15.9	0.40%	3.98%
1264	TMRS	4.2	4.4	2.5	1.7%	16.8	0.28%	2.79%
1236	Taft	3.0	3.3	1.7	1.3%	15.8	0.20%	2.01%
1238	Tahoka	4.4	3.1	1.4	-3.6%	15.2	0.15%	1.54%
1240	Talty	0.7	1.0	6.0	24.8%	16.1	0.08%	0.76%
1241	Tatum	1.2	1.1	1.6	1.5%	16.7	0.12%	1.18%
1246	Taylor	3.7	4.0	1.3	0.7%	18.6	0.25%	2.54%
1248	Teague	4.4	3.9	0.8	-0.8%	18.8	0.16%	2.29%
1252	Temple	5.5	6.0	1.5	-0.1%	17.4	0.38%	3.77%
1254	Tenaha	1.9	1.4	1.0	-3.4%	17.8	0.00%	0.44%
1256	Terrell	5.4	5.8	1.3	0.1%	18.2	0.37%	3.70%
1258	Terrell Hills	5.3	5.8	1.4	-0.4%	20.4	0.35%	3.49%
31263	Tex Municipal League IEBP	3.6	3.6	2.8	0.5%	14.7	0.25%	2.50%
21263	Tex Municipal League IRP	7.6	7.2	2.2	-0.2%	15.4	0.49%	4.92%
21260	Texarkana	7.1	7.5	0.9	-2.5%	14.9	0.49%	4.88%
11260	Texarkana Police Dept	8.7	8.9	1.0	-2.0%	18.4	0.56%	5.59%
31260	Texarkana Water Utilities	6.1	6.5	1.3	-1.4%	16.2	0.40%	4.03%
1262	Texas City	6.4	6.8	1.3	-1.4%	16.5	0.43%	4.30%
11263	Texas Municipal League	7.6	7.9	1.1	-1.0%	15.3	0.49%	4.89%
1267	The Colony	4.0	4.3	1.7	1.1%	19.0	0.27%	2.68%
1269	Thompsons	2.5	2.5	1.0	-9.0%	11.1	0.37%	3.72%
1268	Thorndale	3.0	2.9	1.2	-0.1%	14.1	0.26%	2.57%
1272	Thrall	0.9	0.9	7.0	12.6%	17.0	0.09%	0.88%

Section 8
TEXAS MUNICIPAL RETIREMENT SYSTEM
RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY AND ACTUARIALLY DETERMINED CONTRIBUTION

City#	CityName	Ratio of MVA to Covered Pay	Ratio of AAL to Covered Pay	Ratio of Actives to Retirees (A/R)	Net Cash Flow as a Percentage of Market Value of Assets	Duration of Liabilities	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
1274	Three Rivers	4.4	5.9	1.6	3.3%	16.6	0.29%	2.91%
1276	Throckmorton	4.7	4.5	0.6	-3.6%	17.2	0.52%	5.18%
1277	Tiki Island	1.8	1.8	8.0	4.6%	15.1	0.16%	1.61%
1278	Timpson	4.2	3.4	1.5	-5.7%	14.5	0.14%	1.41%
1280	Tioga	1.4	1.3	NA	6.1%	17.1	0.05%	0.88%
1283	Tolar	2.9	2.6	1.5	1.3%	16.8	0.10%	2.47%
1286	Tom Bean	1.4	1.1	2.7	5.5%	22.6	0.06%	0.54%
1284	Tomball	4.0	4.3	1.8	0.9%	19.5	0.26%	2.64%
1290	Trent	4.5	3.7	1.0	0.7%	9.6	0.16%	1.58%
1292	Trenton	2.1	1.8	1.5	0.2%	16.1	0.08%	0.89%
1293	Trinidad	1.8	2.2	1.4	-1.4%	14.9	0.19%	1.85%
1294	Trinity	2.7	2.3	2.9	1.1%	19.7	0.09%	1.10%
1295	Trophy Club	4.2	4.2	1.3	1.8%	18.4	0.28%	2.85%
1296	Troup	2.0	2.0	1.6	0.7%	20.6	0.13%	1.31%
1297	Troy	2.2	2.1	1.3	5.3%	16.9	0.10%	1.54%
1298	Tulia	7.0	6.5	1.3	-3.5%	15.8	0.33%	4.38%
1299	Turkey	1.7	2.0	0.7	-2.4%	12.6	0.21%	2.08%
1300	Tuscola	0.2	0.3	NA	68.1%	25.0	0.02%	0.22%
1301	Tye	1.5	1.6	1.3	0.8%	18.5	0.10%	1.00%
1304	Tyler	5.9	6.7	1.2	-0.7%	16.7	0.40%	4.01%
1307	Uhland	0.2	3.5	NA	100.0%	20.1	0.01%	0.06%
1305	Universal City	4.8	5.8	1.6	0.0%	17.9	0.31%	3.15%
1306	University Park	6.3	6.0	1.2	-3.1%	13.9	0.41%	4.13%
1308	Uvalde	2.9	3.1	2.0	-0.2%	19.3	0.19%	1.90%
1312	Valley Mills	0.4	0.3	NA	10.8%	19.6	0.01%	0.15%
1313	Valley View	0.4	0.3	6.0	1.7%	24.1	0.01%	0.15%
1314	Van	3.1	2.8	1.6	-0.6%	17.0	0.11%	1.42%
1316	Van Alstyne	2.3	2.5	2.4	4.5%	23.6	0.16%	1.56%
1318	Van Horn	3.9	4.0	1.4	0.2%	16.9	0.29%	2.92%
1320	Vega	7.9	8.1	1.3	-2.6%	14.1	0.84%	8.43%
1324	Venus	1.7	1.6	1.8	5.0%	23.6	0.07%	1.11%
1326	Vernon	5.8	6.0	1.1	-1.8%	15.9	0.41%	4.10%
1328	Victoria	5.9	6.6	1.1	-2.0%	16.9	0.40%	3.99%
1329	Vidor	6.1	6.3	1.1	-2.5%	16.0	0.39%	3.93%
1500	Village Fire Department	5.0	4.8	1.5	-1.2%	16.8	0.35%	3.52%
1327	Village of the Hills	0.6	0.7	NA	21.8%	20.6	0.12%	1.16%
1330	Waco	5.7	6.0	1.3	-1.8%	15.4	0.39%	3.93%
1332	Waelder	1.5	1.4	3.3	1.2%	19.4	0.06%	0.80%
1334	Wake Village	4.2	4.6	0.9	-0.7%	17.3	0.29%	2.85%
1336	Waller	2.1	2.4	1.9	-0.2%	15.5	0.14%	1.42%
1337	Wallis	2.3	1.9	1.8	0.1%	15.9	0.08%	0.82%
1338	Walnut Springs	2.0	2.0	0.7	0.9%	14.8	0.31%	3.10%
1340	Waskom	3.5	5.1	1.3	-1.1%	16.6	0.24%	2.36%
1341	Watauga	6.1	6.3	1.1	0.2%	18.2	0.44%	4.43%
1342	Waxahachie	4.1	4.6	2.1	0.8%	18.9	0.27%	2.65%
1344	Weatherford	6.0	6.1	1.4	-0.8%	17.7	0.39%	3.93%
1345	Webster	5.8	6.3	1.4	0.1%	18.3	0.38%	3.81%
1346	Weimar	6.6	6.6	0.9	-2.2%	15.0	0.43%	4.33%
1350	Wellington	8.4	7.4	0.8	-3.4%	11.2	0.30%	3.93%
1352	Wells	1.2	1.0	4.0	3.8%	18.0	0.05%	0.46%
1354	Weslaco	3.9	3.9	1.6	-0.7%	16.9	0.29%	2.87%
1356	West	3.3	3.0	1.7	-1.7%	16.1	0.12%	2.01%
1358	West Columbia	3.5	2.9	1.5	-2.6%	15.1	0.13%	1.27%
1359	West Lake Hills	4.8	5.1	0.8	0.3%	18.3	0.36%	3.55%
1361	West Orange	7.8	8.4	1.3	-0.4%	14.7	0.53%	5.29%
1365	West Tawakoni	3.9	3.5	0.8	0.3%	13.4	0.14%	2.74%
1364	West Univ. Place	5.5	5.7	1.1	-1.3%	16.7	0.35%	3.47%
1363	Westlake	2.5	2.8	2.7	5.0%	20.0	0.16%	1.65%
1362	Westover Hills	1.9	1.8	0.9	1.4%	17.9	0.13%	1.25%
1366	Westworth Village	3.4	3.3	1.3	2.5%	20.4	0.24%	2.36%
1368	Wharton	3.7	3.5	1.9	-2.0%	16.0	0.24%	2.41%
1370	Wheeler	5.1	5.1	2.3	-2.9%	17.3	0.50%	4.96%
1372	White Deer	2.2	2.7	1.0	0.9%	13.1	0.25%	2.50%
1377	White Oak	6.9	6.8	1.1	-0.1%	16.2	0.46%	4.57%
1378	White Settlement	5.0	5.7	1.1	0.2%	17.8	0.32%	3.22%
1374	Whiteface	6.5	5.2	3.0	0.8%	14.0	0.23%	2.29%
1375	Whitehouse	3.1	3.0	2.3	1.7%	20.9	0.20%	2.03%
1376	Whitesboro	3.7	3.5	1.5	-1.1%	16.5	0.26%	2.57%
1380	Whitewright	2.3	1.9	1.9	-1.8%	18.4	0.08%	0.79%
1382	Whitney	1.8	1.6	1.5	2.5%	18.4	0.06%	0.97%
1384	Wichita Falls	6.0	6.7	1.3	-1.5%	15.1	0.39%	3.95%
1386	Willis	3.1	3.0	1.7	2.6%	18.4	0.21%	2.05%
1387	Willow Park	1.2	1.2	2.5	8.1%	23.1	0.08%	0.84%
1388	Wills Point	4.3	4.5	1.3	-1.1%	16.5	0.31%	3.08%
1390	Wilmer	1.6	1.4	2.4	3.1%	21.5	0.06%	0.89%
1392	Wimberley	1.2	1.3	2.2	7.5%	20.8	0.08%	0.91%
1393	Windcrest	3.1	3.0	1.1	-0.2%	18.5	0.21%	2.06%
1395	Winfield	1.5	1.3	NA	2.9%	11.8	0.05%	0.87%
1396	Wink	2.3	2.1	3.7	3.2%	17.2	0.08%	1.28%
1398	Winnboro	3.2	3.4	1.2	-0.5%	16.6	0.22%	2.22%

Section 8
TEXAS MUNICIPAL RETIREMENT SYSTEM
RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY AND ACTUARIALLY DETERMINED CONTRIBUTION

City#	CityName	Ratio of MVA to Covered Pay	Ratio of AAL to Covered Pay	Ratio of Actives to Retirees (A/R)	Net Cash Flow as a Percentage of Market Value of Assets	Duration of Liabilities	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
1399	Winona	4.5	2.9	3.0	-1.7%	15.4	0.16%	1.60%
1400	Winters	6.3	5.8	0.8	-4.6%	16.1	0.22%	3.82%
1403	Wolfforth	2.2	2.6	5.1	2.6%	20.5	0.15%	1.46%
1409	Woodcreek	1.1	0.9	2.0	8.4%	12.1	0.04%	0.59%
1404	Woodsboro	2.1	1.4	2.5	-0.2%	18.1	0.07%	0.73%
1406	Woodville	6.0	6.3	2.0	0.9%	17.4	0.40%	3.99%
1407	Woodway	5.1	5.5	1.9	1.3%	19.1	0.35%	3.47%
1408	Wortham	2.8	2.5	1.4	1.7%	21.6	0.10%	1.85%
1410	Wylie	3.8	4.2	2.9	2.8%	21.3	0.24%	2.44%
1412	Yoakum	5.9	6.6	1.2	-0.9%	15.1	0.40%	3.98%
1414	Yorktown	3.9	3.2	1.0	-2.0%	11.8	0.00%	1.05%
1415	Zavalla	2.2	1.7	5.0	0.9%	20.2	0.08%	0.80%

SECTION 9

INDIVIDUAL CITY REPORTS

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Abernathy	Abilene	Addison	Agua Dulce	Alamo	Alamo Heights	Alba
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$433,919	\$133,503,983	\$51,433,281	\$84,841	\$6,227,697	\$12,879,370	\$495,889
b. Noncontributing Members	574,049	30,099,581	19,027,220	0	2,106,071	4,672,230	113,614
c. Annuitants	611,648	173,953,838	78,047,299	0	4,831,635	14,494,609	36,549
2. Total Actuarial Accrued Liability	\$1,619,616	\$337,557,402	\$148,507,800	\$84,841	\$13,165,403	\$32,046,209	\$646,052
3. Actuarial Value of Assets	1,523,216	318,834,563	142,431,056	57,984	12,497,011	26,103,822	516,651
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$96,400	\$18,722,839	\$6,076,744	\$26,857	\$668,392	\$5,942,387	\$129,401
5. Funded Ratio: (3) / (2)	94.0%	94.5%	95.9%	68.3%	94.9%	81.5%	80.0%
6. Annual payroll	\$721,641	\$59,815,671	\$24,662,424	\$97,835	\$5,663,832	\$6,287,344	\$241,586
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	2.70%	7.67%	8.86%	2.16%	5.03%	9.68%	4.74%
Prior Service	1.01%	2.41%	2.45%	6.99%	0.89%	6.53%	8.78%
Full Retirement	3.71%	10.08%	11.31%	9.15%	5.92%	16.21%	13.52%
Supplemental Death Benefit	0.53%	0.49%	0.30%	0.34%	0.33%	0.38%	0.30%
Combined Contribution	4.24%	10.57%	11.61%	9.49%	6.25%	16.59%	13.82%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	N/A	15.50%	N/A	9.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	18.8 years	18.3 years	12.9 years	4.3 years	18.9 years	21.8 years	7.1 years
Number of Annuitants	7	914	240	0	49	86	1
Number of Active Contributing Members	17	1,024	294	3	152	98	5
Number of Inactive Members	31	746	241	0	143	91	2
Average age of Contributing Members	43.4 years	43.4 years	41.5 years	57.0 years	40.2 years	42.0 years	53.3 years
Average length of service of Contributing Members	5.4 years	10.0 years	10.7 years	9.5 years	7.6 years	12.0 years	14.4 years

	Albany	Aledo	Alice	Allen	Alpine	Alto	Alton
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$589,713	\$895,584	\$17,697,007	\$155,087,653	\$3,038,080	\$580,519	\$4,398,368
b. Noncontributing Members	26,082	351,174	3,032,555	34,519,452	795,580	378,085	1,320,238
c. Annuitants	511,008	488,388	22,630,560	84,901,871	3,519,453	348,943	2,667,438
2. Total Actuarial Accrued Liability	\$1,126,803	\$1,735,146	\$43,360,122	\$274,508,976	\$7,353,113	\$1,307,547	\$8,386,044
3. Actuarial Value of Assets	1,078,778	1,437,356	46,235,840	243,514,613	9,043,072	1,394,144	7,822,288
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$48,025	\$297,790	(\$2,875,718)	\$30,994,363	(\$1,689,959)	(\$86,597)	\$563,756
5. Funded Ratio: (3) / (2)	95.7%	82.8%	106.6%	88.7%	123.0%	106.6%	93.3%
6. Annual payroll	\$577,897	\$788,461	\$10,258,599	\$58,263,688	\$3,850,708	\$491,083	\$4,120,468
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	3.73%	10.41%	5.19%	10.82%	3.36%	10.48%	10.40%
Prior Service	0.72%	3.28%	-1.09%	3.64%	-1.71%	-0.69%	0.94%
Full Retirement	4.45%	13.69%	4.10%	14.46%	1.65%	9.79%	11.34%
Supplemental Death Benefit	0.68%	0.41%	0.00%	0.25%	0.31%	0.57%	0.24%
Combined Contribution	5.13%	14.10%	4.10%	14.71%	1.96%	10.36%	11.58%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	N/A	11.50%	N/A	11.50%	13.50%	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	15.6 years	15.4 years	N/A	21.8 years	N/A	N/A	21.7 years
Number of Annuitants	11	10	183	303	36	9	25
Number of Active Contributing Members	12	15	209	761	82	10	94
Number of Inactive Members	10	21	88	546	98	22	138
Average age of Contributing Members	51.5 years	46.3 years	45.3 years	43.6 years	39.3 years	40.8 years	39.8 years
Average length of service of Contributing Members	9.3 years	10.3 years	10.2 years	11.3 years	6.0 years	6.1 years	6.1 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Alvarado	Alvin	Alvord	Amarillo	Amherst	Anahuac	Andrews
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,692,791	\$35,308,692	\$149,652	\$203,260,632	\$105,480	\$315,425	\$14,665,309
b. Noncontributing Members	1,193,548	7,086,016	298,811	32,557,102	84	546,631	2,008,967
c. Annuitants	807,578	36,072,205	149,556	285,561,046	95,095	299,416	15,388,919
2. Total Actuarial Accrued Liability	\$5,693,917	\$78,466,913	\$598,019	\$521,378,780	\$200,659	\$1,161,472	\$32,063,195
3. Actuarial Value of Assets	5,399,784	68,704,566	589,901	482,247,527	418,229	1,254,484	27,901,862
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$294,133	\$9,762,347	\$8,118	\$39,131,253	(\$217,570)	(\$93,012)	\$4,161,333
5. Funded Ratio: (3) / (2)	94.8%	87.6%	98.6%	92.5%	208.4%	108.0%	87.0%
6. Annual payroll	\$3,345,667	\$12,940,814	\$342,495	\$93,342,264	\$200,038	\$514,766	\$5,636,928
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	4.59%	9.76%	5.28%	7.34%	4.02%	8.01%	9.47%
Prior Service	0.63%	7.19%	0.30%	3.66%	-4.02%	-0.70%	6.51%
Full Retirement	5.22%	16.95%	5.58%	11.00%	0.00%	7.31%	15.98%
Supplemental Death Benefit	0.26%	0.32%	0.32%	0.00%	0.00%	0.30%	0.00%
Combined Contribution	5.48%	17.27%	5.90%	11.00%	0.00%	7.61%	15.98%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	20.5 years	13.6 years	9.6 years	15.4 years	N/A	N/A	15.1 years
Number of Annuitants	17	151	5	1,299	3	4	39
Number of Active Contributing Members	62	232	7	1,721	5	11	84
Number of Inactive Members	54	256	6	1,309	1	18	43
Average age of Contributing Members	44.0 years	41.0 years	45.4 years	43.5 years	49.1 years	43.8 years	40.8 years
Average length of service of Contributing Members	8.3 years	9.5 years	7.4 years	8.8 years	9.2 years	7.1 years	8.6 years

	Angleton	Anna	Annetta	Anson	Anthony	Aransas Pass	Archer City
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$10,625,493	\$8,210,114	\$104,240	\$871,437	\$848,609	\$8,146,275	\$694,445
b. Noncontributing Members	3,861,175	2,167,663	21,248	113,618	273,584	2,105,613	246,628
c. Annuitants	16,564,820	3,103,778	0	384,348	625,666	8,240,277	326,122
2. Total Actuarial Accrued Liability	\$31,051,488	\$13,481,555	\$125,488	\$1,369,403	\$1,747,859	\$18,492,165	\$1,267,195
3. Actuarial Value of Assets	28,215,337	11,846,683	118,143	1,594,671	1,511,788	16,631,851	1,249,590
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$2,836,151	\$1,634,872	\$7,345	(\$225,268)	\$236,071	\$1,860,314	\$17,605
5. Funded Ratio: (3) / (2)	90.9%	87.9%	94.1%	116.5%	86.5%	89.9%	98.6%
6. Annual payroll	\$7,863,667	\$8,472,439	\$124,261	\$952,719	\$1,341,036	\$6,084,924	\$804,475
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	8.30%	12.75%	8.75%	2.38%	1.31%	7.32%	3.26%
Prior Service	2.76%	1.32%	1.29%	-0.92%	1.34%	2.08%	0.17%
Full Retirement	11.06%	14.07%	10.04%	1.46%	2.65%	9.40%	3.43%
Supplemental Death Benefit	0.33%	0.16%	0.21%	0.34%	0.28%	0.35%	0.65%
Combined Contribution	11.39%	14.23%	10.25%	1.80%	2.93%	9.75%	4.08%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	9.50%	N/A	N/A	9.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	18.4 years	21.8 years	5.1 years	N/A	18.7 years	22.0 years	18.4 years
Number of Annuitants	82	18	0	9	8	53	7
Number of Active Contributing Members	134	129	2	25	31	120	16
Number of Inactive Members	107	64	1	41	28	130	13
Average age of Contributing Members	40.7 years	39.0 years	55.2 years	43.3 years	42.5 years	41.0 years	52.1 years
Average length of service of Contributing Members	7.2 years	8.4 years	5.6 years	8.8 years	8.2 years	7.4 years	10.0 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Arcola	Argyle	Arlington	Arp	Aspermont	Athens	Atlanta
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$331,831	\$1,830,424	\$580,875,971	\$365,069	\$363,127	\$12,733,241	\$2,386,523
b. Noncontributing Members	80,384	2,832,283	103,078,784	45,811	34,033	5,092,976	374,590
c. Annuitants	15,864	2,440,982	759,604,948	417,389	190,815	22,449,422	2,223,001
2. Total Actuarial Accrued Liability	\$428,079	\$7,103,689	\$1,443,559,703	\$828,269	\$587,975	\$40,275,639	\$4,984,114
3. Actuarial Value of Assets	346,243	7,132,223	1,440,887,928	833,745	715,189	33,791,943	4,819,123
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$81,836	(\$28,534)	\$2,671,775	(\$5,476)	(\$127,214)	\$6,483,696	\$164,991
5. Funded Ratio: (3) / (2)	80.9%	100.4%	99.8%	100.7%	121.6%	83.9%	96.7%
6. Annual payroll	\$859,160	\$2,304,864	\$197,306,299	\$433,883	\$347,997	\$7,715,093	\$1,772,165
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	2.23%	10.42%	9.55%	6.31%	1.23%	9.20%	5.21%
Prior Service	1.15%	-0.05%	0.10%	-0.05%	-1.23%	6.97%	0.65%
Full Retirement	3.38%	10.37%	9.65%	6.26%	0.00%	16.17%	5.86%
Supplemental Death Benefit	0.32%	0.00%	0.30%	0.25%	0.44%	0.30%	0.42%
Combined Contribution	3.70%	10.37%	9.95%	6.51%	0.44%	16.47%	6.28%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	11.50%	7.50%	N/A	9.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	10.1 years	N/A	20.3 years	N/A	N/A	16.5 years	22.2 years
Number of Annuitants	2	21	2,058	5	3	96	24
Number of Active Contributing Members	17	32	2,546	11	7	122	40
Number of Inactive Members	16	36	1,351	12	3	96	20
Average age of Contributing Members	50.4 years	41.1 years	41.9 years	41.0 years	47.3 years	41.3 years	47.9 years
Average length of service of Contributing Members	5.6 years	7.8 years	11.1 years	9.4 years	11.7 years	9.7 years	8.6 years

	Aubrey	Avinger	Azle	Baird	Balch Springs	Balcones Heights	Ballinger
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,554,420	\$129,508	\$19,222,656	\$286,341	\$29,579,909	\$7,650,764	\$2,824,420
b. Noncontributing Members	1,641,778	11,167	4,117,274	229,069	4,601,514	2,159,279	172,862
c. Annuitants	734,421	0	10,692,996	270,146	16,239,909	8,365,454	2,630,129
2. Total Actuarial Accrued Liability	\$5,930,619	\$140,675	\$34,032,926	\$785,556	\$50,421,332	\$18,175,497	\$5,627,411
3. Actuarial Value of Assets	5,897,442	158,361	28,961,563	871,480	42,155,246	17,764,479	4,122,375
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$33,177	(\$17,686)	\$5,071,363	(\$85,924)	\$8,266,086	\$411,018	\$1,505,036
5. Funded Ratio: (3) / (2)	99.4%	112.6%	85.1%	110.9%	83.6%	97.7%	73.3%
6. Annual payroll	\$4,731,945	\$62,498	\$8,659,623	\$519,115	\$11,504,937	\$3,136,708	\$1,388,852
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	5.78%	3.48%	8.40%	1.64%	9.20%	9.76%	9.56%
Prior Service	0.05%	-1.10%	4.42%	-0.64%	4.91%	0.97%	8.17%
Full Retirement	5.83%	2.38%	12.82%	1.00%	14.11%	10.73%	17.73%
Supplemental Death Benefit	0.19%	0.50%	0.27%	0.30%	0.26%	0.42%	0.55%
Combined Contribution	6.02%	2.88%	13.09%	1.30%	14.37%	11.15%	18.28%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	9.50%	12.50%	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	21.0 years	N/A	18.9 years	N/A	21.8 years	19.3 years	18.9 years
Number of Annuitants	21	0	95	5	115	60	28
Number of Active Contributing Members	81	2	130	11	168	51	33
Number of Inactive Members	93	1	130	8	123	48	26
Average age of Contributing Members	39.5 years	61.2 years	41.9 years	45.5 years	41.9 years	46.0 years	43.8 years
Average length of service of Contributing Members	8.0 years	11.7 years	10.3 years	7.4 years	9.5 years	12.9 years	7.6 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021**

	Balmerhea	Bandera	Bangs	Bartlett	Bartonville	Bastrop	Bay City
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$43,410	\$848,877	\$700,040	\$708,297	\$402,096	\$14,161,656	\$14,146,492
b. Noncontributing Members	2,233	524,929	594,633	442,459	404,122	2,383,977	3,403,987
c. Annuitants	0	1,690,087	920,736	460,037	685,475	10,307,380	22,868,473
2. Total Actuarial Accrued Liability	\$45,643	\$3,063,893	\$2,215,409	\$1,610,793	\$1,491,693	\$26,853,013	\$40,418,952
3. Actuarial Value of Assets	63,527	3,176,717	2,397,392	1,777,649	1,182,664	22,925,037	37,178,625
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$17,884)	(\$112,824)	(\$181,983)	(\$166,856)	\$309,029	\$3,927,976	\$3,240,327
5. Funded Ratio: (3) / (2)	139.2%	103.7%	108.2%	110.4%	79.3%	85.4%	92.0%
6. Annual payroll	\$37,593	\$891,602	\$485,268	\$842,514	\$470,626	\$8,526,611	\$8,363,122
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	1.73%	10.43%	10.44%	8.08%	7.16%	8.43%	5.99%
Prior Service	-1.73%	-0.49%	-1.46%	-0.77%	8.58%	3.14%	3.44%
Full Retirement	0.00%	9.94%	8.98%	7.31%	15.74%	11.57%	9.43%
Supplemental Death Benefit	0.16%	0.52%	0.52%	0.38%	0.28%	0.30%	0.42%
Combined Contribution	0.16%	10.46%	9.50%	7.69%	16.02%	11.87%	9.85%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	11.50%	N/A	12.50%	11.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	N/A	N/A	N/A	9.2 years	21.9 years	15.1 years
Number of Annuitants	0	13	10	9	8	72	129
Number of Active Contributing Members	1	19	11	18	5	136	155
Number of Inactive Members	1	38	22	31	14	87	110
Average age of Contributing Members	52.2 years	46.4 years	50.6 years	45.4 years	45.7 years	45.0 years	42.9 years
Average length of service of Contributing Members	13.3 years	5.9 years	6.3 years	5.1 years	8.7 years	9.6 years	9.4 years

	Bayou Vista	Baytown	Beaumont	Bedford	Bee Cave	Beeville	Bellaire
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$139,006	\$206,718,380	\$228,307,972	\$43,972,491	\$5,587,331	\$4,908,360	\$37,311,055
b. Noncontributing Members	115,053	26,447,025	25,594,988	11,290,261	1,899,923	1,545,840	7,525,544
c. Annuitants	239,448	182,650,070	299,335,387	17,626,470	1,477,744	5,611,919	51,715,074
2. Total Actuarial Accrued Liability	\$493,507	\$415,815,475	\$553,238,347	\$72,889,222	\$8,964,998	\$12,066,119	\$96,551,673
3. Actuarial Value of Assets	554,921	352,657,463	485,679,080	41,859,061	8,157,598	14,858,742	83,696,057
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$61,414)	\$63,158,012	\$67,559,267	\$31,030,161	\$807,400	(\$2,792,623)	\$12,855,616
5. Funded Ratio: (3) / (2)	112.4%	84.8%	87.8%	57.4%	91.0%	123.1%	86.7%
6. Annual payroll	\$420,028	\$70,638,263	\$68,527,692	\$24,551,114	\$3,799,381	\$4,863,882	\$12,350,539
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	3.18%	10.24%	9.89%	7.38%	8.07%	3.40%	11.30%
Prior Service	-0.57%	7.32%	9.58%	9.42%	1.51%	-2.24%	8.96%
Full Retirement	2.61%	17.56%	19.47%	16.80%	9.58%	1.16%	20.26%
Supplemental Death Benefit	0.32%	0.26%	0.00%	0.17%	0.23%	0.00%	0.39%
Combined Contribution	2.93%	17.82%	19.47%	16.97%	9.81%	1.16%	20.65%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	13.50%	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	16.8 years	13.4 years	19.2 years	20.6 years	N/A	15.6 years
Number of Annuitants	7	532	966	110	11	79	141
Number of Active Contributing Members	8	872	1,015	315	51	96	149
Number of Inactive Members	11	426	476	248	42	86	135
Average age of Contributing Members	41.5 years	41.1 years	44.8 years	40.9 years	42.7 years	44.5 years	45.3 years
Average length of service of Contributing Members	5.1 years	10.7 years	11.1 years	11.3 years	7.7 years	9.1 years	13.4 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Bellmead	Bells	Bellville	Belton	Benbrook	Berryville	Bertram
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,780,882	\$209,518	\$5,770,300	\$15,045,254	\$30,737,605	\$102,582	\$352,534
b. Noncontributing Members	2,851,480	134,953	1,054,010	3,650,288	4,728,389	0	249,239
c. Annuitants	7,805,422	85,278	7,655,305	11,913,144	33,737,991	121,776	186,509
2. Total Actuarial Accrued Liability	\$15,437,784	\$429,749	\$14,479,615	\$30,608,686	\$69,203,985	\$224,358	\$788,282
3. Actuarial Value of Assets	16,515,064	520,927	11,544,471	27,187,405	63,343,074	230,865	823,264
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$1,077,280)	(\$91,178)	\$2,935,144	\$3,421,281	\$5,860,911	(\$6,507)	(\$34,982)
5. Funded Ratio: (3) / (2)	107.0%	121.2%	79.7%	88.8%	91.5%	102.9%	104.4%
6. Annual payroll	\$3,901,200	\$430,135	\$2,664,308	\$9,476,494	\$10,876,904	\$157,720	\$816,103
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.32%	4.53%	6.42%	7.58%	11.73%	3.13%	4.66%
Prior Service	-1.08%	-0.83%	10.54%	2.58%	4.32%	-0.16%	-0.17%
Full Retirement	8.24%	3.70%	16.96%	10.16%	16.05%	2.97%	4.49%
Supplemental Death Benefit	0.31%	0.30%	0.54%	0.35%	0.28%	1.33%	0.00%
Combined Contribution	8.55%	4.00%	17.50%	10.51%	16.33%	4.30%	4.49%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	12.50%	N/A	N/A	13.50%	N/A	9.50%	11.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	N/A	13.8 years	20.5 years	17.3 years	N/A	N/A
Number of Annuitants	38	5	46	93	90	3	6
Number of Active Contributing Members	77	9	49	172	123	4	18
Number of Inactive Members	93	18	35	164	77	0	17
Average age of Contributing Members	43.4 years	43.4 years	45.2 years	41.7 years	41.0 years	60.1 years	43.5 years
Average length of service of Contributing Members	8.3 years	9.5 years	11.1 years	10.7 years	12.3 years	5.2 years	6.9 years

	Big Lake	Big Sandy	Big Spring	Bishop	Blanco	Blooming Grove	Blossom
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,350,902	\$120,802	\$23,991,453	\$1,347,061	\$556,722	\$341,600	\$534,023
b. Noncontributing Members	845,685	171,666	4,522,754	123,271	344,435	99,226	72,206
c. Annuitants	3,224,528	752,692	36,186,859	1,456,399	349,379	153,260	330,047
2. Total Actuarial Accrued Liability	\$8,421,115	\$1,045,160	\$64,701,066	\$2,926,731	\$1,250,536	\$594,086	\$936,276
3. Actuarial Value of Assets	6,413,001	1,013,086	54,514,391	2,957,673	1,264,874	541,967	976,156
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$2,008,114	\$32,074	\$10,186,675	(\$30,942)	(\$14,338)	\$52,119	(\$39,880)
5. Funded Ratio: (3) / (2)	76.2%	96.9%	84.3%	101.1%	101.1%	91.2%	104.3%
6. Annual payroll	\$1,529,097	\$465,560	\$9,885,905	\$905,682	\$1,161,838	\$187,532	\$213,078
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	7.93%	1.70%	8.71%	3.06%	6.60%	6.93%	5.62%
Prior Service	10.72%	1.41%	9.16%	-0.13%	-0.05%	4.43%	-0.73%
Full Retirement	18.65%	3.11%	17.87%	2.93%	6.55%	11.36%	4.89%
Supplemental Death Benefit	0.38%	0.58%	0.49%	0.55%	0.28%	0.42%	1.39%
Combined Contribution	19.03%	3.69%	18.36%	3.48%	6.83%	11.78%	6.28%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	N/A	11.50%	13.50%	N/A	11.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	16.8 years	5.5 years	15.9 years	N/A	N/A	7.3 years	N/A
Number of Annuitants	12	8	170	20	7	2	4
Number of Active Contributing Members	27	10	172	23	22	4	4
Number of Inactive Members	6	17	83	17	32	4	1
Average age of Contributing Members	45.1 years	46.4 years	42.4 years	46.1 years	40.9 years	50.1 years	56.3 years
Average length of service of Contributing Members	9.2 years	4.1 years	7.5 years	8.9 years	6.9 years	16.1 years	15.0 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Blue Mound	Blue Ridge	Boerne	Bogata	Bonham	Booker	Borger
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$381,401	\$119,415	\$46,291,704	\$161,517	\$11,863,826	\$904,373	\$22,705,525
b. Noncontributing Members	335,962	74,675	5,892,662	85,956	2,902,873	226,503	2,921,405
c. Annuitants	305,381	11,444	35,382,427	83,881	7,783,253	149,129	27,647,933
2. Total Actuarial Accrued Liability	\$1,022,744	\$205,534	\$87,566,793	\$331,354	\$22,549,952	\$1,280,005	\$53,274,863
3. Actuarial Value of Assets	1,097,004	255,176	69,163,003	452,542	20,306,550	1,247,035	48,577,594
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$74,260)	(\$49,642)	\$18,403,790	(\$121,188)	\$2,243,402	\$32,970	\$4,697,269
5. Funded Ratio: (3) / (2)	107.3%	124.2%	79.0%	136.6%	90.1%	97.4%	91.2%
6. Annual payroll	\$1,225,729	\$265,258	\$18,161,495	\$318,986	\$5,977,579	\$538,951	\$9,277,436
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	4.49%	2.95%	11.69%	1.64%	6.52%	5.49%	8.85%
Prior Service	-0.24%	-0.73%	6.94%	-1.48%	2.97%	0.59%	3.93%
Full Retirement	4.25%	2.22%	18.63%	0.16%	9.49%	6.08%	12.78%
Supplemental Death Benefit	0.21%	0.28%	0.28%	0.40%	0.00%	0.41%	0.55%
Combined Contribution	4.46%	2.50%	18.91%	0.56%	9.49%	6.49%	13.33%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	7.50%	12.50%	9.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	N/A	21.8 years	N/A	17.6 years	13.9 years	18.1 years
Number of Annuitants	11	1	110	3	62	2	101
Number of Active Contributing Members	22	6	264	9	117	10	152
Number of Inactive Members	38	4	126	10	152	12	73
Average age of Contributing Members	38.9 years	48.4 years	43.9 years	45.1 years	44.2 years	48.0 years	42.6 years
Average length of service of Contributing Members	5.2 years	3.7 years	10.1 years	5.8 years	10.1 years	9.5 years	9.6 years

	Bovina	Bowie	Boyd	Brady	Brazoria	Breckenridge	Bremond
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$229,047	\$8,868,856	\$566,880	\$7,282,811	\$2,187,473	\$2,410,388	\$740,299
b. Noncontributing Members	64,014	1,738,389	457,121	2,403,251	580,958	518,071	201,965
c. Annuitants	117,895	8,517,324	391,686	3,931,746	2,590,821	5,775,314	17,175
2. Total Actuarial Accrued Liability	\$410,956	\$19,124,569	\$1,415,687	\$13,617,808	\$5,359,252	\$8,703,773	\$959,439
3. Actuarial Value of Assets	495,272	18,200,082	1,452,993	12,890,146	5,400,264	8,337,729	905,581
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$84,316)	\$924,487	(\$37,306)	\$727,662	(\$41,012)	\$366,044	\$53,858
5. Funded Ratio: (3) / (2)	120.5%	95.2%	102.6%	94.7%	100.8%	95.8%	94.4%
6. Annual payroll	\$406,955	\$4,146,866	\$896,343	\$4,777,486	\$1,238,308	\$2,097,334	\$227,159
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	1.11%	7.31%	4.05%	8.24%	6.15%	4.79%	6.60%
Prior Service	-0.81%	1.84%	-0.16%	1.09%	-0.13%	1.25%	9.94%
Full Retirement	0.30%	9.15%	3.89%	9.33%	6.02%	6.04%	16.54%
Supplemental Death Benefit	0.52%	0.56%	0.00%	0.44%	0.48%	0.46%	1.12%
Combined Contribution	0.82%	9.71%	3.89%	9.77%	6.50%	6.50%	17.66%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	11.50%	11.50%	12.50%	11.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	18.0 years	N/A	20.3 years	N/A	22.1 years	2.5 years
Number of Annuitants	3	74	7	61	24	54	1
Number of Active Contributing Members	11	85	18	97	25	60	5
Number of Inactive Members	13	73	30	117	20	53	15
Average age of Contributing Members	41.4 years	46.3 years	40.7 years	46.1 years	41.4 years	41.2 years	56.8 years
Average length of service of Contributing Members	7.4 years	10.4 years	8.0 years	8.3 years	8.6 years	8.3 years	18.8 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Brenham	Bridge City	Bridgeport	Bronte	Brookshire	Brownfield	Brownsboro
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$26,126,632	\$11,290,583	\$5,732,287	\$391,759	\$4,787,068	\$7,374,560	\$213,165
b. Noncontributing Members	6,598,679	1,618,183	3,099,869	15,714	1,688,490	632,300	42,913
c. Annuitants	<u>31,830,284</u>	<u>12,728,476</u>	<u>6,875,788</u>	<u>138,123</u>	<u>1,481,699</u>	<u>11,126,657</u>	<u>209,592</u>
2. Total Actuarial Accrued Liability	\$64,555,595	\$25,637,242	\$15,707,944	\$545,596	\$7,957,257	\$19,133,517	\$465,670
3. Actuarial Value of Assets	<u>50,731,587</u>	<u>21,346,396</u>	<u>13,705,735</u>	<u>493,134</u>	<u>7,207,536</u>	<u>22,555,683</u>	<u>207,714</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$13,824,008	\$4,290,846	\$2,002,209	\$52,462	\$749,721	(\$3,422,166)	\$257,956
5. Funded Ratio: (3) / (2)	78.6%	83.3%	87.3%	90.4%	90.6%	117.9%	44.6%
6. Annual payroll	\$12,386,869	\$3,859,437	\$3,920,155	\$179,488	\$2,262,755	\$4,088,027	\$294,136
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.48%	9.52%	9.22%	2.34%	7.03%	5.48%	1.88%
Prior Service	<u>10.63%</u>	<u>7.77%</u>	<u>3.79%</u>	<u>6.39%</u>	<u>2.36%</u>	<u>-3.26%</u>	<u>9.88%</u>
Full Retirement	17.11%	17.29%	13.01%	8.73%	9.39%	2.22%	11.76%
Supplemental Death Benefit	<u>0.00%</u>	<u>0.58%</u>	<u>0.32%</u>	<u>0.42%</u>	<u>0.28%</u>	<u>0.00%</u>	<u>0.78%</u>
Combined Contribution	17.11%	17.87%	13.33%	9.15%	9.67%	2.22%	12.54%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	12.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	13.7 years	21.1 years	22.0 years	5.2 years	20.6 years	N/A	11.0 years
Number of Annuitants	155	56	49	1	14	54	1
Number of Active Contributing Members	198	55	71	4	47	83	8
Number of Inactive Members	160	24	94	1	38	33	4
Average age of Contributing Members	42.5 years	46.4 years	42.2 years	58.8 years	44.9 years	43.6 years	52.3 years
Average length of service of Contributing Members	11.0 years	11.1 years	8.3 years	16.5 years	8.1 years	9.4 years	7.6 years

	Brownsville	Brownsville PUB	Brownwood	Brownwood Health Dept.	Brownwood Public Library	Bruceville-Eddy	Bryan
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$227,259,516	\$113,816,860	\$22,819,695	\$860,416	\$172,351	\$411,753	\$204,735,836
b. Noncontributing Members	16,676,688	9,978,844	5,230,206	166,999	5,691	479,340	32,734,161
c. Annuitants	<u>196,983,459</u>	<u>92,971,724</u>	<u>32,252,734</u>	<u>731,624</u>	<u>19,686</u>	<u>444,738</u>	<u>175,245,317</u>
2. Total Actuarial Accrued Liability	\$440,919,663	\$216,767,428	\$60,302,635	\$1,759,039	\$197,728	\$1,335,831	\$412,715,314
3. Actuarial Value of Assets	<u>398,567,981</u>	<u>189,145,394</u>	<u>54,126,525</u>	<u>1,622,441</u>	<u>413,133</u>	<u>1,454,585</u>	<u>416,004,208</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$42,351,682	\$27,622,034	\$6,176,110	\$136,598	(\$215,405)	(\$118,754)	(\$3,288,894)
5. Funded Ratio: (3) / (2)	90.4%	87.3%	89.8%	92.2%	208.9%	108.9%	100.8%
6. Annual payroll	\$65,701,138	\$31,581,439	\$10,623,801	\$601,244	\$144,858	\$536,595	\$66,858,328
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	10.85%	10.32%	8.80%	8.51%	5.41%	5.20%	9.04%
Prior Service	<u>6.29%</u>	<u>6.92%</u>	<u>4.64%</u>	<u>2.08%</u>	<u>-5.41%</u>	<u>-0.86%</u>	<u>-0.19%</u>
Full Retirement	17.14%	17.24%	13.44%	10.59%	0.00%	4.34%	8.85%
Supplemental Death Benefit	<u>0.33%</u>	<u>0.42%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>0.55%</u>	<u>0.00%</u>
Combined Contribution	17.47%	17.66%	13.44%	10.59%	0.00%	4.89%	8.85%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	11.50%	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	13.2 years	17.6 years	17.4 years	14.4 years	N/A	N/A	N/A
Number of Annuitants	697	328	161	12	2	8	681
Number of Active Contributing Members	1,097	556	220	24	6	12	897
Number of Inactive Members	402	139	95	2	4	28	503
Average age of Contributing Members	43.2 years	43.9 years	43.4 years	47.3 years	63.3 years	38.6 years	42.3 years
Average length of service of Contributing Members	11.6 years	12.1 years	9.1 years	5.5 years	9.7 years	7.2 years	11.8 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Bryson	Buda	Buffalo	Bullard	Bulverde	Bunker Hill Village	Burkburnett
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$35,935	\$12,395,626	\$559,833	\$1,857,187	\$1,511,460	\$2,451,377	\$7,007,600
b. Noncontributing Members	116,283	2,311,122	143,803	211,815	1,119,956	544,528	2,398,828
c. Annuitants	290,172	3,018,357	915,692	1,242,810	1,160,464	1,036,836	7,085,280
2. Total Actuarial Accrued Liability	\$442,390	\$17,725,105	\$1,619,328	\$3,311,812	\$3,791,880	\$4,032,741	\$16,491,708
3. Actuarial Value of Assets	677,774	15,183,246	1,739,908	2,437,211	3,584,840	3,988,850	15,140,941
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$235,384)	\$2,541,859	(\$120,580)	\$874,601	\$207,040	\$43,891	\$1,350,767
5. Funded Ratio: (3) / (2)	153.2%	85.7%	107.4%	73.6%	94.5%	98.9%	91.8%
6. Annual payroll	\$104,436	\$7,698,126	\$599,357	\$1,473,969	\$1,853,011	\$764,727	\$3,460,677
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	7.08%	11.90%	4.68%	8.38%	8.18%	9.08%	7.47%
Prior Service	-7.08%	2.27%	-0.78%	4.26%	0.82%	0.84%	2.91%
Full Retirement	0.00%	14.17%	3.90%	12.64%	9.00%	9.92%	10.38%
Supplemental Death Benefit	0.00%	0.26%	0.72%	0.31%	0.20%	0.32%	0.59%
Combined Contribution	0.00%	14.43%	4.62%	12.95%	9.20%	10.24%	10.97%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	11.50%	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	21.7 years	N/A	20.3 years	19.5 years	8.1 years	19.2 years
Number of Annuitants	1	24	11	8	13	4	58
Number of Active Contributing Members	3	125	16	30	30	8	69
Number of Inactive Members	4	75	11	16	39	8	39
Average age of Contributing Members	50.8 years	41.6 years	52.3 years	42.8 years	39.9 years	48.5 years	43.9 years
Average length of service of Contributing Members	3.0 years	6.9 years	6.3 years	9.5 years	6.4 years	15.8 years	9.1 years

	Burleson	Burnet	Byers	Cactus	Caddo Mills	Caldwell	Callisburg
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$66,813,382	\$11,240,454	\$36,815	\$2,449,744	\$635,167	\$5,793,813	\$4,995
b. Noncontributing Members	14,450,487	3,946,204	0	426,552	148,670	719,715	0
c. Annuitants	51,832,664	14,948,248	0	510,218	142,406	6,054,208	0
2. Total Actuarial Accrued Liability	\$133,096,533	\$30,134,906	\$36,815	\$3,386,514	\$926,243	\$12,567,736	\$4,995
3. Actuarial Value of Assets	109,533,326	27,036,071	11,747	2,582,565	885,776	12,379,058	3,309
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$23,563,207	\$3,098,835	\$25,068	\$803,949	\$40,467	\$188,678	\$1,686
5. Funded Ratio: (3) / (2)	82.3%	89.7%	31.9%	76.3%	95.6%	98.5%	66.2%
6. Annual payroll	\$27,834,383	\$7,232,817	\$89,025	\$2,671,847	\$1,029,769	\$2,566,958	\$69,792
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	11.14%	9.74%	2.36%	7.36%	5.28%	5.97%	6.81%
Prior Service	5.83%	2.91%	4.60%	2.23%	0.35%	1.00%	0.46%
Full Retirement	16.97%	12.65%	6.96%	9.59%	5.63%	6.97%	7.27%
Supplemental Death Benefit	0.23%	0.30%	0.40%	0.30%	0.23%	0.68%	0.13%
Combined Contribution	17.20%	12.95%	7.36%	9.89%	5.86%	7.65%	7.40%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	13.50%	N/A	13.50%	N/A	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	21.6 years	22.1 years	7.1 years	19.3 years	14.8 years	8.8 years	6.0 years
Number of Annuitants	180	73	0	10	3	34	0
Number of Active Contributing Members	369	112	3	48	22	63	1
Number of Inactive Members	188	84	0	46	17	32	0
Average age of Contributing Members	41.1 years	41.3 years	55.2 years	38.9 years	41.5 years	51.8 years	50.5 years
Average length of service of Contributing Members	10.5 years	8.5 years	10.4 years	4.4 years	5.6 years	12.1 years	7.3 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Calvert	Cameron	Campbell	Canadian	Caney City	Canton	Canyon
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$562,477	\$2,112,725	\$206,214	\$2,842,016	\$34,629	\$7,374,598	\$14,080,889
b. Noncontributing Members	53,149	715,033	0	876,937	15,465	1,750,695	3,272,355
c. Annuitants	120,019	3,395,796	0	2,384,847	0	4,453,845	19,512,238
2. Total Actuarial Accrued Liability	\$735,645	\$6,223,554	\$206,214	\$6,103,800	\$50,094	\$13,579,138	\$36,865,482
3. Actuarial Value of Assets	466,245	5,439,593	154,192	4,690,879	63,831	12,515,260	34,135,575
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$269,400	\$783,961	\$52,022	\$1,412,921	(\$13,737)	\$1,063,878	\$2,729,907
5. Funded Ratio: (3) / (2)	63.4%	87.4%	74.8%	76.9%	127.4%	92.2%	92.6%
6. Annual payroll	\$497,833	\$2,037,114	\$65,681	\$1,099,998	\$153,361	\$3,343,687	\$6,796,702
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	11.62%	4.96%	1.48%	9.61%	1.87%	8.23%	10.13%
Prior Service	4.31%	2.97%	40.39%	8.75%	-0.35%	2.31%	3.43%
Full Retirement	15.93%	7.93%	41.87%	18.36%	1.52%	10.54%	13.56%
Supplemental Death Benefit	0.53%	0.37%	0.40%	0.42%	0.17%	0.47%	0.31%
Combined Contribution	16.46%	8.30%	42.27%	18.78%	1.69%	11.01%	13.87%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	17.4 years	18.6 years	2.1 years	22.0 years	N/A	20.0 years	15.8 years
Number of Annuitants	7	40	0	11	0	35	63
Number of Active Contributing Members	13	45	2	20	3	73	116
Number of Inactive Members	17	39	0	6	10	55	44
Average age of Contributing Members	47.6 years	43.5 years	61.5 years	44.1 years	41.3 years	46.5 years	42.6 years
Average length of service of Contributing Members	6.3 years	8.3 years	24.2 years	10.9 years	3.5 years	9.9 years	8.7 years

	Carmine	Carrizo Springs	Carrollton	Carthage	Castle Hills	Castroville	Cedar Hill
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$160,848	\$1,625,522	\$179,266,607	\$15,528,710	\$7,180,709	\$1,826,607	\$72,537,755
b. Noncontributing Members	0	497,829	61,613,749	1,898,379	2,078,209	1,657,813	13,179,229
c. Annuitants	909	2,874,796	251,472,674	19,632,236	12,247,078	3,516,207	50,786,047
2. Total Actuarial Accrued Liability	\$161,757	\$4,998,147	\$492,353,030	\$37,059,325	\$21,505,996	\$7,000,627	\$136,503,031
3. Actuarial Value of Assets	215,873	5,184,290	477,686,020	31,924,607	19,604,351	6,443,531	119,225,363
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$54,116)	(\$186,143)	\$14,667,010	\$5,134,718	\$1,901,645	\$557,096	\$17,277,668
5. Funded Ratio: (3) / (2)	133.5%	103.7%	97.0%	86.1%	91.2%	92.0%	87.3%
6. Annual payroll	\$68,494	\$1,872,348	\$66,684,036	\$4,534,247	\$3,804,034	\$2,459,284	\$26,244,570
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	2.81%	4.68%	8.41%	9.30%	8.37%	7.10%	9.98%
Prior Service	-2.81%	-0.39%	2.43%	10.35%	3.83%	1.57%	4.82%
Full Retirement	0.00%	4.29%	10.84%	19.65%	12.20%	8.67%	14.80%
Supplemental Death Benefit	0.12%	0.60%	0.00%	0.54%	0.42%	0.58%	0.26%
Combined Contribution	0.12%	4.89%	10.84%	20.19%	12.62%	9.25%	15.06%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	9.50%	N/A	N/A	N/A	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	N/A	11.4 years	14.9 years	18.4 years	21.5 years	19.7 years
Number of Annuitants	1	25	768	62	55	40	211
Number of Active Contributing Members	2	48	842	73	58	47	335
Number of Inactive Members	0	39	725	44	59	60	189
Average age of Contributing Members	43.9 years	47.7 years	41.1 years	46.6 years	43.7 years	47.6 years	42.1 years
Average length of service of Contributing Members	18.0 years	7.1 years	10.8 years	12.2 years	11.8 years	6.2 years	12.0 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Cedar Park	Celeste	Celina	Center	Centerville	Chandler	Charlotte
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$90,963,769	\$57,533	\$8,423,870	\$8,449,066	\$1,052,712	\$600,668	\$430,363
b. Noncontributing Members	14,943,010	51,580	3,566,695	882,757	55,172	190,910	116,557
c. Annuitants	29,871,997	23,649	1,460,949	6,302,934	121,083	639,993	70,406
2. Total Actuarial Accrued Liability	\$135,778,776	\$132,762	\$13,451,514	\$15,634,757	\$1,228,967	\$1,431,571	\$617,326
3. Actuarial Value of Assets	110,404,897	124,150	13,478,433	15,178,940	1,165,897	1,146,727	817,001
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$25,373,879	\$8,612	(\$26,919)	\$455,817	\$63,070	\$284,844	(\$199,675)
5. Funded Ratio: (3) / (2)	81.3%	93.5%	100.2%	97.1%	94.9%	80.1%	132.3%
6. Annual payroll	\$36,483,527	\$159,522	\$13,682,561	\$3,561,129	\$244,037	\$1,320,236	\$382,108
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.78%	2.52%	6.30%	9.74%	6.58%	4.93%	4.86%
Prior Service	5.00%	1.05%	-0.01%	0.97%	8.74%	2.31%	-2.03%
Full Retirement	14.78%	3.57%	6.29%	10.71%	15.32%	7.24%	2.83%
Supplemental Death Benefit	0.22%	0.81%	0.20%	0.37%	0.00%	0.41%	0.33%
Combined Contribution	15.00%	4.38%	6.49%	11.08%	15.32%	7.65%	3.16%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	13.50%	N/A	N/A	N/A	9.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	20.2 years	5.8 years	N/A	18.7 years	3.2 years	11.7 years	N/A
Number of Annuitants	175	2	24	43	1	10	1
Number of Active Contributing Members	484	4	196	73	5	30	10
Number of Inactive Members	297	5	139	27	1	15	9
Average age of Contributing Members	41.9 years	60.4 years	40.1 years	43.8 years	60.6 years	49.6 years	51.1 years
Average length of service of Contributing Members	11.0 years	4.1 years	7.9 years	9.6 years	18.7 years	6.6 years	6.1 years

	Chester	Chico	Childress	Chillicothe	Chireno	Christine	Cibolo
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$277,460	\$131,251	\$5,108,895	\$180,549	\$1,220,037	\$676	\$12,578,183
b. Noncontributing Members	244,669	147,006	654,939	106,826	0	25,929	3,696,342
c. Annuitants	92,264	223,391	5,498,344	0	998,042	12,787	4,436,398
2. Total Actuarial Accrued Liability	\$614,393	\$501,648	\$11,262,178	\$287,375	\$2,218,079	\$39,392	\$20,710,923
3. Actuarial Value of Assets	699,883	472,808	8,953,174	270,762	1,736,197	60,311	18,926,442
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$85,490)	\$28,840	\$2,309,004	\$16,613	\$481,882	(\$20,919)	\$1,784,481
5. Funded Ratio: (3) / (2)	113.9%	94.3%	79.5%	94.2%	78.3%	153.1%	91.4%
6. Annual payroll	\$41,755	\$201,735	\$2,060,012	\$249,687	\$328,675	\$37,610	\$8,777,266
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.02%	2.10%	9.29%	2.20%	9.71%	1.58%	10.16%
Prior Service	-6.02%	2.19%	7.68%	1.47%	11.83%	-1.58%	1.40%
Full Retirement	0.00%	4.29%	16.97%	3.67%	21.54%	0.00%	11.56%
Supplemental Death Benefit	1.39%	1.30%	0.65%	0.36%	0.65%	0.00%	0.23%
Combined Contribution	1.39%	5.59%	17.62%	4.03%	22.19%	0.00%	11.79%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	7.8 years	21.8 years	5.0 years	17.1 years	N/A	21.6 years
Number of Annuitants	1	7	46	0	4	1	41
Number of Active Contributing Members	2	5	54	6	8	1	154
Number of Inactive Members	2	4	44	4	0	1	100
Average age of Contributing Members	62.7 years	55.5 years	47.2 years	55.3 years	42.1 years	38.4 years	41.0 years
Average length of service of Contributing Members	20.3 years	7.3 years	8.4 years	8.1 years	11.7 years	0.6 years	8.6 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Cisco	Clarendon	Clarksville	Clarksville City	Clear Lake Shores	Cleburne	Cleveland
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,469,992	\$488,572	\$676,143	\$179,316	\$1,483,549	\$30,979,260	\$7,518,755
b. Noncontributing Members	408,171	100,396	656,881	46,908	373,010	9,632,649	2,087,299
c. Annuitants	<u>2,815,866</u>	<u>398,429</u>	<u>1,688,775</u>	<u>1,062,636</u>	<u>966,888</u>	<u>62,519,713</u>	<u>6,133,605</u>
2. Total Actuarial Accrued Liability	\$4,694,029	\$987,397	\$3,021,799	\$1,288,860	\$2,823,447	\$103,131,622	\$15,739,659
3. Actuarial Value of Assets	<u>4,508,352</u>	<u>1,166,864</u>	<u>3,965,515</u>	<u>1,392,152</u>	<u>2,574,871</u>	<u>87,003,019</u>	<u>13,353,593</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$185,677	(\$179,467)	(\$943,716)	(\$103,292)	\$248,576	\$16,128,603	\$2,386,066
5. Funded Ratio: (3) / (2)	96.0%	118.2%	131.2%	108.0%	91.2%	84.4%	84.8%
6. Annual payroll	\$1,608,087	\$455,789	\$821,327	\$221,898	\$1,133,470	\$16,453,401	\$4,686,462
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.35%	2.72%	6.47%	5.59%	9.23%	7.87%	6.66%
Prior Service	<u>0.84%</u>	<u>-1.53%</u>	<u>-4.47%</u>	<u>-1.81%</u>	<u>1.59%</u>	<u>7.93%</u>	<u>3.93%</u>
Full Retirement	7.19%	1.19%	2.00%	3.78%	10.82%	15.80%	10.59%
Supplemental Death Benefit	<u>0.19%</u>	<u>0.96%</u>	<u>0.45%</u>	<u>0.57%</u>	<u>0.29%</u>	<u>0.45%</u>	<u>0.40%</u>
Combined Contribution	7.38%	2.15%	2.45%	4.35%	11.11%	16.25%	10.99%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	9.50%	11.50%	N/A	12.50%	N/A	11.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	19.9 years	N/A	N/A	N/A	19.9 years	17.4 years	18.6 years
Number of Annuitants	22	10	24	7	5	246	53
Number of Active Contributing Members	38	12	19	5	17	279	94
Number of Inactive Members	39	23	59	4	18	236	82
Average age of Contributing Members	41.0 years	55.8 years	41.0 years	39.4 years	46.6 years	42.8 years	41.3 years
Average length of service of Contributing Members	6.6 years	9.4 years	6.6 years	4.8 years	10.1 years	8.8 years	8.4 years

	Clifton	Clute	Clyde	Coahoma	Cockrell Hill	Coleman	College Station
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,086,510	\$8,516,564	\$3,293,043	\$539,329	\$2,230,952	\$5,119,841	\$151,733,603
b. Noncontributing Members	868,253	3,488,238	347,287	163,632	1,267,887	2,633,836	36,092,857
c. Annuitants	<u>632,022</u>	<u>13,478,725</u>	<u>2,114,541</u>	<u>290,811</u>	<u>2,403,360</u>	<u>9,892,850</u>	<u>163,374,909</u>
2. Total Actuarial Accrued Liability	\$2,586,785	\$25,483,527	\$5,754,871	\$993,772	\$5,902,199	\$17,646,527	\$351,201,369
3. Actuarial Value of Assets	<u>2,872,163</u>	<u>25,682,750</u>	<u>4,948,314</u>	<u>1,017,930</u>	<u>6,153,806</u>	<u>15,668,634</u>	<u>319,140,889</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$285,378)	(\$199,223)	\$806,557	(\$24,158)	(\$251,607)	\$1,977,893	\$32,060,480
5. Funded Ratio: (3) / (2)	111.0%	100.8%	86.0%	102.4%	104.3%	88.8%	90.9%
6. Annual payroll	\$1,175,504	\$5,499,432	\$1,572,605	\$274,727	\$1,436,293	\$2,507,181	\$63,322,489
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	2.22%	10.16%	10.10%	6.60%	9.91%	9.57%	8.61%
Prior Service	<u>-0.95%</u>	<u>-0.14%</u>	<u>3.53%</u>	<u>-0.34%</u>	<u>-0.68%</u>	<u>8.23%</u>	<u>4.04%</u>
Full Retirement	1.27%	10.02%	13.63%	6.26%	9.23%	17.80%	12.65%
Supplemental Death Benefit	<u>0.62%</u>	<u>0.32%</u>	<u>0.38%</u>	<u>0.62%</u>	<u>0.38%</u>	<u>0.00%</u>	<u>0.00%</u>
Combined Contribution	1.89%	10.34%	14.01%	6.88%	9.61%	17.80%	12.65%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	13.50%	13.50%	11.50%	13.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	N/A	21.6 years	N/A	N/A	12.4 years	17.4 years
Number of Annuitants	17	70	18	4	24	63	555
Number of Active Contributing Members	23	98	37	5	27	51	915
Number of Inactive Members	20	104	25	3	37	48	663
Average age of Contributing Members	51.5 years	42.4 years	48.2 years	55.9 years	41.4 years	46.3 years	40.2 years
Average length of service of Contributing Members	10.9 years	7.8 years	10.6 years	12.9 years	8.5 years	10.3 years	10.2 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Colleyville	Collinsville	Colmesneil	Colorado City	Columbus	Comanche	Combes
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$34,015,370	\$260,967	\$281,728	\$2,550,186	\$4,679,152	\$915,095	\$386,956
b. Noncontributing Members	8,645,065	41,688	653	1,145,802	1,468,300	361,030	94,232
c. Annuitants	<u>30,783,191</u>	<u>289,135</u>	<u>87,690</u>	<u>3,069,281</u>	<u>3,727,386</u>	<u>2,320,230</u>	<u>277,513</u>
2. Total Actuarial Accrued Liability	\$73,443,626	\$591,790	\$370,071	\$6,765,269	\$9,874,838	\$3,596,355	\$758,701
3. Actuarial Value of Assets	<u>71,175,846</u>	<u>578,783</u>	<u>347,246</u>	<u>7,153,090</u>	<u>9,463,469</u>	<u>3,336,443</u>	<u>314,861</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$2,267,780	\$13,007	\$22,825	(\$387,821)	\$411,369	\$259,912	\$443,840
5. Funded Ratio: (3) / (2)	96.9%	97.8%	93.8%	105.7%	95.8%	92.8%	41.5%
6. Annual payroll	\$15,291,089	\$375,925	\$162,033	\$1,702,087	\$1,994,019	\$1,428,438	\$695,072
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	8.88%	6.16%	3.79%	7.78%	7.85%	3.24%	1.40%
Prior Service	<u>1.10%</u>	<u>0.40%</u>	<u>4.39%</u>	<u>-0.89%</u>	<u>1.80%</u>	<u>1.44%</u>	<u>4.79%</u>
Full Retirement	9.98%	6.56%	8.18%	6.89%	9.65%	4.68%	6.19%
Supplemental Death Benefit	<u>0.29%</u>	<u>0.48%</u>	<u>0.17%</u>	<u>0.87%</u>	<u>0.50%</u>	<u>0.54%</u>	<u>0.00%</u>
Combined Contribution	10.27%	7.04%	8.35%	7.76%	10.15%	5.22%	6.19%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	12.50%	N/A	12.50%	N/A	7.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	19.3 years	10.7 years	3.5 years	N/A	15.4 years	18.5 years	19.0 years
Number of Annuitants	163	6	1	36	35	24	2
Number of Active Contributing Members	184	8	4	41	36	30	18
Number of Inactive Members	153	3	1	41	26	13	19
Average age of Contributing Members	42.7 years	51.7 years	42.2 years	46.7 years	45.3 years	40.5 years	40.2 years
Average length of service of Contributing Members	12.5 years	14.8 years	9.9 years	7.1 years	11.5 years	6.9 years	6.7 years

	Commerce	Conroe	Converse	Cooper	Coppell	Copper Canyon	Copperas Cove
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,423,916	\$99,254,004	\$15,319,147	\$828,155	\$101,358,258	\$484,501	\$27,008,461
b. Noncontributing Members	3,069,790	13,390,559	6,058,926	55,718	19,304,801	46,690	10,492,867
c. Annuitants	<u>6,420,443</u>	<u>64,907,162</u>	<u>16,877,028</u>	<u>889,877</u>	<u>82,619,987</u>	<u>127,078</u>	<u>38,075,311</u>
2. Total Actuarial Accrued Liability	\$13,914,149	\$177,551,725	\$38,255,101	\$1,773,750	\$203,283,046	\$658,269	\$75,576,639
3. Actuarial Value of Assets	<u>13,278,067</u>	<u>152,515,423</u>	<u>32,623,302</u>	<u>1,639,087</u>	<u>181,055,935</u>	<u>649,958</u>	<u>66,833,596</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$636,082	\$25,036,302	\$5,631,799	\$134,663	\$22,227,111	\$8,311	\$8,743,043
5. Funded Ratio: (3) / (2)	95.4%	85.9%	85.3%	92.4%	89.1%	98.7%	88.4%
6. Annual payroll	\$3,220,735	\$35,418,282	\$10,061,861	\$498,371	\$32,383,791	\$319,099	\$14,534,950
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.74%	10.16%	10.44%	3.17%	11.37%	8.74%	8.40%
Prior Service	<u>1.50%</u>	<u>6.10%</u>	<u>3.83%</u>	<u>2.59%</u>	<u>5.18%</u>	<u>0.98%</u>	<u>4.26%</u>
Full Retirement	8.24%	16.26%	14.27%	5.76%	16.55%	9.72%	12.66%
Supplemental Death Benefit	<u>0.49%</u>	<u>0.00%</u>	<u>0.23%</u>	<u>0.58%</u>	<u>0.27%</u>	<u>0.49%</u>	<u>0.41%</u>
Combined Contribution	8.73%	16.26%	14.50%	6.34%	16.82%	10.21%	13.07%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	8.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	19.7 years	15.6 years	21.9 years	13.5 years	18.8 years	2.8 years	21.9 years
Number of Annuitants	68	205	77	8	276	4	253
Number of Active Contributing Members	77	484	183	13	368	5	270
Number of Inactive Members	106	196	187	8	241	2	292
Average age of Contributing Members	41.3 years	42.3 years	39.2 years	51.4 years	43.5 years	53.4 years	42.5 years
Average length of service of Contributing Members	7.8 years	10.4 years	7.3 years	12.7 years	12.6 years	10.2 years	11.2 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Corinth	Corpus Christi	Corrigan	Corsicana	Cottonwood Shores	Cotulla	Crandall
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$25,884,076	\$396,516,395	\$833,708	\$25,835,485	\$304,093	\$1,922,378	\$2,083,517
b. Noncontributing Members	10,584,758	56,519,717	196,549	5,933,362	16,737	150,656	1,144,089
c. Annuitants	17,143,712	520,539,886	879,603	32,696,345	0	1,057,092	1,968,629
2. Total Actuarial Accrued Liability	\$53,612,546	\$973,575,998	\$1,909,860	\$64,465,192	\$320,830	\$3,130,126	\$5,196,235
3. Actuarial Value of Assets	47,466,784	850,516,877	1,954,619	58,258,225	86,976	2,755,707	5,145,375
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$6,145,762	\$123,059,121	(\$44,759)	\$6,206,967	\$233,854	\$374,419	\$50,860
5. Funded Ratio: (3) / (2)	88.5%	87.4%	102.3%	90.4%	27.1%	88.0%	99.0%
6. Annual payroll	\$11,966,584	\$151,865,039	\$1,205,421	\$9,181,289	\$793,841	\$1,949,630	\$1,852,522
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	11.49%	8.57%	3.67%	7.61%	3.53%	4.52%	9.95%
Prior Service	3.54%	7.98%	-0.14%	6.55%	2.21%	1.37%	0.20%
Full Retirement	15.03%	16.55%	3.53%	14.16%	5.74%	5.89%	10.15%
Supplemental Death Benefit	0.29%	0.00%	0.44%	0.47%	0.65%	0.41%	0.27%
Combined Contribution	15.32%	16.55%	3.97%	14.63%	6.39%	6.30%	10.42%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	11.50%	N/A	N/A	11.50%	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	21.9 years	13.5 years	N/A	14.3 years	19.0 years	20.4 years	20.0 years
Number of Annuitants	104	2,449	15	173	0	18	17
Number of Active Contributing Members	158	2,571	27	150	18	45	35
Number of Inactive Members	156	1,605	45	85	5	31	42
Average age of Contributing Members	42.3 years	43.8 years	43.6 years	43.1 years	47.6 years	46.2 years	40.1 years
Average length of service of Contributing Members	12.9 years	9.8 years	6.9 years	12.4 years	5.1 years	5.7 years	5.9 years

	Crane	Crawford	Creedmoor	Crockett	Crosbyton	Cross Plains	Cross Roads
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,867,269	\$115,464	\$50,335	\$4,604,932	\$133,802	\$1,016,954	\$268,574
b. Noncontributing Members	339,879	9,431	0	679,432	235,019	225,086	378,865
c. Annuitants	4,041,666	57,594	0	7,772,542	861,176	319,093	31,211
2. Total Actuarial Accrued Liability	\$7,248,814	\$182,489	\$50,335	\$13,056,906	\$1,229,997	\$1,561,133	\$678,650
3. Actuarial Value of Assets	7,771,100	205,177	20,366	11,553,761	1,624,146	1,536,356	709,739
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$522,286)	(\$22,688)	\$29,969	\$1,503,145	(\$394,149)	\$24,777	(\$31,089)
5. Funded Ratio: (3) / (2)	107.2%	112.4%	40.5%	88.5%	132.0%	98.4%	104.6%
6. Annual payroll	\$1,597,581	\$222,187	\$161,942	\$2,392,450	\$431,329	\$393,959	\$984,937
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.18%	1.48%	2.70%	9.13%	5.21%	5.47%	8.19%
Prior Service	-1.27%	-0.40%	3.03%	5.26%	-3.56%	1.23%	-0.12%
Full Retirement	7.91%	1.08%	5.73%	14.39%	1.65%	6.70%	8.07%
Supplemental Death Benefit	0.36%	0.00%	0.47%	0.70%	0.95%	0.48%	0.20%
Combined Contribution	8.27%	1.08%	6.20%	15.09%	2.60%	7.18%	8.27%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	15.50%	7.50%	N/A	N/A	10.50%	9.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	N/A	7.1 years	18.0 years	N/A	5.8 years	N/A
Number of Annuitants	16	1	0	67	12	3	1
Number of Active Contributing Members	25	5	3	51	10	8	16
Number of Inactive Members	6	1	0	52	15	7	11
Average age of Contributing Members	46.8 years	42.9 years	59.4 years	44.9 years	39.2 years	52.7 years	45.9 years
Average length of service of Contributing Members	9.7 years	15.5 years	3.4 years	7.9 years	5.2 years	13.2 years	13.6 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Crowell	Crowley	Crystal City	Cuero	Cumby	Daingerfield	Daisetta
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$88,130	\$14,582,983	\$1,575,323	\$8,825,878	\$79,639	\$1,277,458	\$129,723
b. Noncontributing Members	3,793	2,726,810	755,091	1,970,490	123,051	617,664	153,172
c. Annuitants	42,278	9,356,912	1,611,620	6,693,726	148,434	1,228,954	28,091
2. Total Actuarial Accrued Liability	\$134,201	\$26,666,705	\$3,942,034	\$17,490,094	\$351,124	\$3,124,076	\$310,986
3. Actuarial Value of Assets	66,958	23,114,189	4,756,257	15,790,188	336,231	3,098,690	369,338
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$67,243	\$3,552,516	(\$814,223)	\$1,699,906	\$14,893	\$25,386	(\$58,352)
5. Funded Ratio: (3) / (2)	49.9%	86.7%	120.7%	90.3%	95.8%	99.2%	118.8%
6. Annual payroll	\$238,353	\$7,679,140	\$1,617,058	\$5,320,314	\$390,820	\$863,410	\$194,029
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	1.78%	8.33%	3.85%	6.99%	2.00%	6.38%	1.79%
Prior Service	3.43%	3.15%	-1.96%	2.17%	0.33%	0.22%	-1.17%
Full Retirement	5.21%	11.48%	1.89%	9.16%	2.33%	6.60%	0.62%
Supplemental Death Benefit	0.34%	0.24%	0.00%	0.47%	0.35%	0.00%	0.84%
Combined Contribution	5.55%	11.72%	1.89%	9.63%	2.68%	6.60%	1.46%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	12.50%	13.50%	11.50%	N/A	9.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	10.0 years	22.0 years	N/A	22.1 years	15.7 years	19.7 years	N/A
Number of Annuitants	1	67	24	57	5	16	2
Number of Active Contributing Members	9	117	50	93	10	19	6
Number of Inactive Members	4	105	74	45	24	16	13
Average age of Contributing Members	47.8 years	42.2 years	43.4 years	44.7 years	48.0 years	46.2 years	50.5 years
Average length of service of Contributing Members	5.6 years	11.0 years	6.1 years	10.5 years	2.9 years	9.8 years	6.9 years

	Dalhart	Dalworthington Gardens	Danbury	Darrouzett	Dayton	De Leon	DeSoto
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,455,142	\$3,679,657	\$163,585	\$63,529	\$4,000,572	\$219,772	\$61,633,277
b. Noncontributing Members	1,251,082	2,001,906	61,479	63,254	2,524,021	262,521	20,415,455
c. Annuitants	4,384,519	5,011,326	301,080	152,676	4,191,584	284,754	63,394,138
2. Total Actuarial Accrued Liability	\$9,090,743	\$10,692,889	\$526,144	\$279,459	\$10,716,177	\$767,047	\$145,442,870
3. Actuarial Value of Assets	9,648,631	8,298,325	539,863	274,603	10,226,134	709,494	138,915,896
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$557,888)	\$2,394,564	(\$13,719)	\$4,856	\$490,043	\$57,553	\$6,526,974
5. Funded Ratio: (3) / (2)	106.1%	77.6%	102.6%	98.3%	95.4%	92.5%	95.5%
6. Annual payroll	\$3,069,634	\$1,871,615	\$252,886	\$105,781	\$5,384,380	\$540,152	\$27,453,924
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	4.82%	11.32%	5.83%	3.96%	5.46%	2.86%	9.14%
Prior Service	-0.71%	10.61%	-0.21%	0.97%	0.62%	1.17%	1.69%
Full Retirement	4.11%	21.93%	5.62%	4.93%	6.08%	4.03%	10.83%
Supplemental Death Benefit	0.42%	0.27%	0.40%	0.78%	0.29%	0.63%	0.33%
Combined Contribution	4.53%	22.20%	6.02%	5.71%	6.37%	4.66%	11.16%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	N/A	13.50%	9.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	17.5 years	N/A	5.3 years	22.1 years	11.8 years	20.6 years
Number of Annuitants	34	16	3	1	53	7	288
Number of Active Contributing Members	64	26	6	3	101	14	360
Number of Inactive Members	89	33	10	3	125	17	289
Average age of Contributing Members	41.7 years	44.7 years	52.9 years	63.7 years	40.1 years	43.9 years	43.1 years
Average length of service of Contributing Members	7.2 years	12.4 years	10.7 years	5.0 years	6.0 years	6.1 years	9.9 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Decatur	Deer Park	Dekalb	Del Rio	Dell City	Denison	Denton
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$14,768,759	\$81,934,417	\$448,834	\$24,947,792	\$220,580	\$24,364,042	\$248,868,144
b. Noncontributing Members	5,177,441	7,730,440	191,128	2,673,254	0	6,985,041	62,307,618
c. Annuitants	12,794,852	66,929,952	343,615	14,058,261	180,587	42,386,015	289,113,423
2. Total Actuarial Accrued Liability	\$32,741,052	\$156,594,809	\$983,577	\$41,679,307	\$401,167	\$73,735,098	\$600,289,185
3. Actuarial Value of Assets	28,786,350	147,733,012	1,122,355	33,166,526	379,268	70,321,275	516,461,158
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$3,954,702	\$8,861,797	(\$138,778)	\$8,512,781	\$21,899	\$3,413,823	\$83,828,027
5. Funded Ratio: (3) / (2)	87.9%	94.3%	114.1%	79.6%	94.5%	95.4%	86.0%
6. Annual payroll	\$6,789,940	\$22,870,800	\$566,093	\$21,264,946	\$38,306	\$13,167,195	\$106,004,129
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	10.16%	10.39%	3.35%	3.41%	4.75%	8.26%	10.44%
Prior Service	4.01%	2.83%	-0.95%	3.57%	12.53%	2.39%	7.43%
Full Retirement	14.17%	13.22%	2.40%	6.98%	17.28%	10.65%	17.87%
Supplemental Death Benefit	0.36%	0.35%	0.37%	0.39%	0.94%	0.00%	0.28%
Combined Contribution	14.53%	13.57%	2.77%	7.37%	18.22%	10.65%	18.15%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	9.50%	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	21.6 years	19.7 years	N/A	14.9 years	5.1 years	14.2 years	13.9 years
Number of Annuitants	72	211	13	165	1	196	839
Number of Active Contributing Members	121	316	13	497	1	238	1,323
Number of Inactive Members	105	163	11	261	0	173	745
Average age of Contributing Members	43.2 years	42.2 years	45.5 years	43.0 years	48.5 years	42.9 years	42.1 years
Average length of service of Contributing Members	9.5 years	12.6 years	6.3 years	9.1 years	27.3 years	8.6 years	10.2 years

	Denver City	Deport	Devine	Diboll	Dickens	Dickinson	Dilley
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,676,337	\$15,711	\$4,990,748	\$2,394,561	\$58,318	\$11,455,973	\$1,536,513
b. Noncontributing Members	888,888	11,837	340,200	1,937,745	0	4,335,083	233,974
c. Annuitants	6,770,998	66,048	2,674,967	7,723,228	0	7,765,341	1,423,518
2. Total Actuarial Accrued Liability	\$10,336,223	\$93,596	\$8,005,915	\$12,055,534	\$58,318	\$23,556,397	\$3,194,005
3. Actuarial Value of Assets	10,450,746	91,515	5,221,263	11,242,577	77,171	22,255,305	2,789,346
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$114,523)	\$2,081	\$2,784,652	\$812,957	(\$18,853)	\$1,301,092	\$404,659
5. Funded Ratio: (3) / (2)	101.1%	97.8%	65.2%	93.3%	132.3%	94.5%	87.3%
6. Annual payroll	\$1,604,032	\$124,901	\$1,961,309	\$1,687,974	\$78,953	\$6,376,928	\$1,665,154
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.77%	2.41%	6.26%	11.04%	2.91%	8.74%	6.06%
Prior Service	-0.28%	0.40%	11.10%	3.59%	-0.93%	1.44%	1.75%
Full Retirement	6.49%	2.81%	17.36%	14.63%	1.98%	10.18%	7.81%
Supplemental Death Benefit	0.45%	1.22%	0.41%	0.42%	0.14%	0.26%	0.32%
Combined Contribution	6.94%	4.03%	17.77%	15.05%	2.12%	10.44%	8.13%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	13.50%	12.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	4.5 years	17.9 years	21.9 years	N/A	20.7 years	20.2 years
Number of Annuitants	23	1	18	49	0	49	26
Number of Active Contributing Members	32	3	37	38	2	117	36
Number of Inactive Members	34	7	18	39	0	107	50
Average age of Contributing Members	45.5 years	60.8 years	45.9 years	41.4 years	50.0 years	42.3 years	39.1 years
Average length of service of Contributing Members	7.3 years	1.9 years	10.8 years	8.0 years	6.5 years	8.4 years	6.3 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Dimmitt	Donna	Double Oak	Dripping Springs	Driscoll	Dublin	Dumas
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,445,712	\$9,386,327	\$862,765	\$1,214,119	\$53,299	\$1,621,672	\$13,297,352
b. Noncontributing Members	828,816	1,115,197	166,111	331,471	73,927	1,002,979	3,964,679
c. Annuitants	2,663,428	4,080,175	235,266	55,226	0	3,085,339	9,605,507
2. Total Actuarial Accrued Liability	\$4,937,956	\$14,581,699	\$1,264,142	\$1,600,816	\$127,226	\$5,709,990	\$26,867,538
3. Actuarial Value of Assets	5,670,967	11,344,851	1,174,661	1,483,700	134,091	4,978,306	22,026,952
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$733,011)	\$3,236,848	\$89,481	\$117,116	(\$6,865)	\$731,684	\$4,840,586
5. Funded Ratio: (3) / (2)	114.8%	77.8%	92.9%	92.7%	105.4%	87.2%	82.0%
6. Annual payroll	\$970,371	\$6,775,985	\$754,383	\$2,277,640	\$201,028	\$1,398,505	\$6,599,230
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.94%	7.37%	7.18%	5.41%	1.74%	9.17%	8.08%
Prior Service	-2.94%	3.54%	1.14%	0.46%	-0.13%	3.57%	5.02%
Full Retirement	4.00%	10.91%	8.32%	5.87%	1.61%	12.74%	13.10%
Supplemental Death Benefit	0.00%	0.00%	0.47%	0.19%	0.57%	0.32%	0.36%
Combined Contribution	4.00%	10.91%	8.79%	6.06%	2.18%	13.06%	13.46%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	12.50%	13.50%	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	19.3 years	13.5 years	15.0 years	N/A	21.9 years	21.8 years
Number of Annuitants	20	40	5	2	0	25	73
Number of Active Contributing Members	25	149	11	40	8	32	113
Number of Inactive Members	40	100	8	36	13	71	75
Average age of Contributing Members	47.7 years	43.8 years	49.7 years	43.2 years	49.6 years	38.6 years	42.7 years
Average length of service of Contributing Members	7.0 years	6.9 years	13.4 years	4.2 years	2.3 years	5.5 years	10.1 years

	Duncanville	Eagle Lake	Eagle Pass	Early	Earth	East Bernard	East Mountain
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$34,918,556	\$1,770,908	\$39,163,174	\$1,956,637	\$90,413	\$114,709	\$8,011
b. Noncontributing Members	14,278,831	841,477	4,628,564	210,631	52,569	545	260,049
c. Annuitants	70,647,177	2,860,682	39,958,774	778,724	134,839	25,268	132,866
2. Total Actuarial Accrued Liability	\$119,844,564	\$5,473,067	\$83,750,512	\$2,945,992	\$277,821	\$140,522	\$400,926
3. Actuarial Value of Assets	119,363,343	5,252,952	79,625,857	3,172,781	233,987	128,832	432,563
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$481,221	\$220,115	\$4,124,655	(\$226,789)	\$43,834	\$11,690	(\$31,637)
5. Funded Ratio: (3) / (2)	99.6%	96.0%	95.1%	107.7%	84.2%	91.7%	107.9%
6. Annual payroll	\$18,965,960	\$1,191,248	\$20,385,911	\$1,655,036	\$225,928	\$185,789	\$80,144
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	5.15%	8.05%	6.68%	3.90%	1.93%	3.46%	12.18%
Prior Service	1.04%	1.41%	2.14%	-0.53%	2.26%	1.71%	-1.54%
Full Retirement	6.19%	9.46%	8.82%	3.37%	4.19%	5.17%	10.64%
Supplemental Death Benefit	0.00%	0.77%	0.36%	0.29%	0.43%	0.32%	0.47%
Combined Contribution	6.19%	10.23%	9.18%	3.66%	4.62%	5.49%	11.11%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	12.50%	11.50%	9.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	2.6 years	19.2 years	12.0 years	N/A	10.8 years	4.0 years	N/A
Number of Annuitants	267	19	213	11	5	1	2
Number of Active Contributing Members	262	23	422	35	7	5	2
Number of Inactive Members	230	45	223	13	4	1	8
Average age of Contributing Members	42.6 years	52.5 years	40.6 years	43.5 years	48.6 years	51.5 years	43.0 years
Average length of service of Contributing Members	10.1 years	7.6 years	9.1 years	7.5 years	4.0 years	5.6 years	0.7 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	East Tawakoni	Eastland	Ector	Eden	Edgewood	Edinburg	Edna
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$220,155	\$2,213,489	\$158,393	\$179,874	\$350,783	\$109,027,320	\$2,988,407
b. Noncontributing Members	135,471	790,990	157	120,387	43,126	12,143,407	1,928,191
c. Annuitants	489,211	2,761,037	118,128	1,068,812	175,335	67,601,799	4,685,066
2. Total Actuarial Accrued Liability	\$844,837	\$5,765,516	\$276,678	\$1,369,073	\$569,244	\$188,772,526	\$9,601,664
3. Actuarial Value of Assets	902,880	5,458,027	291,483	1,418,508	511,298	153,637,075	8,932,132
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$58,043)	\$307,489	(\$14,805)	(\$49,435)	\$57,946	\$35,135,451	\$669,532
5. Funded Ratio: (3) / (2)	106.9%	94.7%	105.4%	103.6%	89.8%	81.4%	93.0%
6. Annual payroll	\$426,638	\$1,985,675	\$170,763	\$349,886	\$439,284	\$45,561,198	\$1,694,118
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.16%	7.33%	2.02%	3.74%	4.52%	8.79%	6.60%
Prior Service	-0.53%	1.13%	-0.34%	-0.55%	1.29%	5.74%	3.77%
Full Retirement	5.63%	8.46%	1.68%	3.19%	5.81%	14.53%	10.37%
Supplemental Death Benefit	0.47%	0.49%	0.62%	0.71%	0.68%	0.25%	0.64%
Combined Contribution	6.10%	8.95%	2.30%	3.90%	6.49%	14.78%	11.01%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	11.50%	N/A	7.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	19.9 years	N/A	N/A	13.2 years	19.2 years	14.4 years
Number of Annuitants	5	23	2	17	8	308	35
Number of Active Contributing Members	12	41	4	9	11	940	35
Number of Inactive Members	5	51	1	8	7	514	36
Average age of Contributing Members	46.7 years	46.1 years	55.3 years	46.4 years	49.5 years	40.2 years	47.1 years
Average length of service of Contributing Members	5.5 years	8.7 years	16.1 years	4.5 years	8.2 years	8.3 years	8.5 years

	El Campo	Eldorado	Electra	Elgin	Elkhart	Elmendorf	Emory
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$16,178,741	\$1,512,115	\$827,609	\$7,150,095	\$37,062	\$343,969	\$1,054,494
b. Noncontributing Members	2,473,609	279,080	482,728	3,316,601	161,097	95,727	379,884
c. Annuitants	18,556,051	1,308,166	742,034	6,476,015	593,803	10,047	781,365
2. Total Actuarial Accrued Liability	\$37,208,401	\$3,099,361	\$2,052,371	\$16,942,711	\$791,962	\$449,743	\$2,215,743
3. Actuarial Value of Assets	31,059,739	2,722,063	2,060,441	15,098,328	809,985	453,846	2,195,085
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$6,148,662	\$377,298	(\$8,070)	\$1,844,383	(\$18,023)	(\$4,103)	\$20,658
5. Funded Ratio: (3) / (2)	83.5%	87.8%	100.4%	89.1%	102.3%	100.9%	99.1%
6. Annual payroll	\$6,689,998	\$741,749	\$1,045,783	\$5,029,343	\$356,062	\$784,926	\$1,132,654
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	7.11%	5.19%	1.49%	9.86%	3.60%	1.30%	6.60%
Prior Service	6.92%	3.53%	-0.03%	2.54%	-0.20%	-0.02%	0.12%
Full Retirement	14.03%	8.72%	1.46%	12.40%	3.40%	1.28%	6.72%
Supplemental Death Benefit	0.39%	1.11%	0.69%	0.38%	0.00%	0.19%	0.64%
Combined Contribution	14.42%	9.83%	2.15%	12.78%	3.40%	1.47%	7.36%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	10.50%	7.50%	N/A	N/A	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	18.9 years	21.3 years	N/A	21.4 years	N/A	N/A	22.4 years
Number of Annuitants	82	7	26	50	7	1	13
Number of Active Contributing Members	117	17	28	88	8	14	25
Number of Inactive Members	62	21	38	93	17	19	17
Average age of Contributing Members	40.5 years	42.6 years	46.0 years	45.7 years	43.5 years	40.8 years	49.2 years
Average length of service of Contributing Members	10.2 years	9.6 years	8.0 years	7.4 years	1.0 years	4.9 years	7.3 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Ennis	Escobares	Eules	Eustace	Everman	Fair Oaks Ranch	Fairfield
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$35,772,378	\$15,044	\$114,175,773	\$544,849	\$2,303,237	\$6,291,233	\$2,774,417
b. Noncontributing Members	3,056,691	22,550	17,242,502	78,699	742,407	2,393,825	1,139,643
c. Annuitants	44,445,060	0	120,223,520	313,677	4,836,220	2,828,258	2,738,718
2. Total Actuarial Accrued Liability	\$83,274,129	\$37,594	\$251,641,795	\$937,225	\$7,881,864	\$11,513,316	\$6,652,778
3. Actuarial Value of Assets	74,693,994	18,213	232,025,417	865,175	7,506,272	10,518,525	6,951,995
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$8,580,135	\$19,381	\$19,616,378	\$72,050	\$375,592	\$994,791	(\$299,217)
5. Funded Ratio: (3) / (2)	89.7%	48.4%	92.2%	92.3%	95.2%	91.4%	104.5%
6. Annual payroll	\$12,897,834	\$63,440	\$31,954,319	\$426,696	\$2,487,057	\$4,224,231	\$1,753,944
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	12.08%	1.28%	11.42%	6.87%	6.91%	10.09%	7.50%
Prior Service	5.29%	5.04%	6.29%	3.08%	1.07%	1.63%	-0.66%
Full Retirement	17.37%	6.32%	17.71%	9.95%	7.98%	11.72%	6.84%
Supplemental Death Benefit	0.35%	0.11%	0.00%	0.46%	0.27%	0.24%	0.48%
Combined Contribution	17.72%	6.43%	17.71%	10.41%	8.25%	11.96%	7.32%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	13.50%	11.50%	13.50%	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	17.5 years	7.0 years	12.4 years	6.4 years	20.7 years	21.4 years	N/A
Number of Annuitants	154	0	290	8	27	19	27
Number of Active Contributing Members	190	2	378	10	50	65	37
Number of Inactive Members	69	1	181	7	51	52	24
Average age of Contributing Members	43.1 years	36.9 years	42.8 years	47.4 years	39.3 years	41.5 years	45.9 years
Average length of service of Contributing Members	11.9 years	5.0 years	14.1 years	7.4 years	6.7 years	6.5 years	7.9 years

	Fairview	Falfurrias	Falls City	Farmers Branch	Farmersville	Farwell	Fate
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$11,501,119	\$1,039,879	\$250,125	\$102,633,289	\$4,194,208	\$443,264	\$3,396,426
b. Noncontributing Members	2,388,413	424,403	148,493	38,164,195	588,854	174,987	1,584,563
c. Annuitants	566,752	1,373,857	18,245	159,676,308	2,779,035	734,473	777,765
2. Total Actuarial Accrued Liability	\$14,456,284	\$2,838,139	\$416,863	\$300,473,792	\$7,562,097	\$1,352,724	\$5,758,754
3. Actuarial Value of Assets	12,925,572	2,938,504	380,265	270,763,827	6,899,544	1,235,137	5,699,635
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$1,530,712	(\$100,365)	\$36,598	\$29,709,965	\$662,553	\$117,587	\$59,119
5. Funded Ratio: (3) / (2)	89.4%	103.5%	91.2%	90.1%	91.2%	91.3%	99.0%
6. Annual payroll	\$6,064,545	\$1,614,604	\$189,230	\$31,849,255	\$2,448,093	\$271,830	\$4,620,499
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.36%	2.45%	5.08%	10.18%	6.85%	12.38%	10.00%
Prior Service	1.77%	-0.24%	2.17%	8.78%	1.87%	4.26%	0.09%
Full Retirement	11.13%	2.21%	7.25%	18.96%	8.72%	16.64%	10.09%
Supplemental Death Benefit	0.27%	0.37%	0.36%	0.19%	0.37%	0.30%	0.17%
Combined Contribution	11.40%	2.58%	7.61%	19.15%	9.09%	16.94%	10.26%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	9.50%	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	21.1 years	N/A	11.3 years	14.1 years	21.4 years	13.1 years	19.4 years
Number of Annuitants	9	24	1	378	24	3	13
Number of Active Contributing Members	75	43	4	398	33	5	67
Number of Inactive Members	43	50	9	396	17	6	54
Average age of Contributing Members	44.1 years	44.1 years	56.4 years	41.4 years	45.2 years	52.4 years	41.0 years
Average length of service of Contributing Members	11.7 years	6.9 years	8.4 years	11.6 years	12.1 years	10.9 years	8.8 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Fayetteville	Ferris	Flatonia	Florence	Floresville	Flower Mound	Floydada
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$134,053	\$956,842	\$2,289,697	\$375,636	\$4,193,400	\$107,374,432	\$2,611,952
b. Noncontributing Members	10,702	1,566,179	1,144,611	157,861	1,409,144	23,275,173	355,524
c. Annuitants	27,173	2,159,598	2,458,110	133,751	3,999,519	53,968,346	2,620,183
2. Total Actuarial Accrued Liability	\$171,928	\$4,682,619	\$5,892,418	\$667,248	\$9,602,063	\$184,617,951	\$5,587,659
3. Actuarial Value of Assets	168,906	4,679,749	5,655,369	681,024	8,424,728	164,343,442	5,140,169
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$3,022	\$2,870	\$237,049	(\$13,776)	\$1,177,335	\$20,274,509	\$447,490
5. Funded Ratio: (3) / (2)	98.2%	99.9%	96.0%	102.1%	87.7%	89.0%	92.0%
6. Annual payroll	\$82,539	\$2,623,975	\$1,037,426	\$526,367	\$3,256,391	\$46,219,245	\$1,128,033
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	1.60%	5.56%	10.78%	4.57%	6.67%	7.95%	6.85%
Prior Service	0.57%	0.01%	2.60%	-0.10%	2.66%	3.07%	3.23%
Full Retirement	2.17%	5.57%	13.38%	4.47%	9.33%	11.02%	10.08%
Supplemental Death Benefit	0.00%	0.39%	0.48%	0.25%	0.00%	0.23%	0.46%
Combined Contribution	2.17%	5.96%	13.86%	4.72%	9.33%	11.25%	10.54%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	9.50%	N/A	N/A	11.50%	13.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	7.5 years	20.0 years	10.9 years	N/A	19.5 years	21.1 years	17.4 years
Number of Annuitants	1	34	13	4	34	294	20
Number of Active Contributing Members	2	47	16	13	59	616	24
Number of Inactive Members	1	82	16	12	38	477	25
Average age of Contributing Members	56.8 years	42.7 years	48.2 years	44.2 years	45.1 years	41.8 years	45.6 years
Average length of service of Contributing Members	13.6 years	6.4 years	13.0 years	6.3 years	7.5 years	10.2 years	8.0 years

	Follett	Forest Hill	Forney	Fort Stockton	Franklin	Frankston	Fredericksburg
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$28,347	\$9,097,355	\$21,967,462	\$7,448,826	\$477,726	\$402,242	\$34,501,846
b. Noncontributing Members	110,403	5,479,201	6,022,372	2,548,487	93,431	77,900	3,560,557
c. Annuitants	0	13,590,293	9,080,329	10,321,610	197,506	122,301	30,420,958
2. Total Actuarial Accrued Liability	\$138,750	\$28,166,849	\$37,070,163	\$20,318,923	\$768,663	\$602,443	\$68,483,361
3. Actuarial Value of Assets	29,673	25,828,386	31,643,304	17,708,840	819,099	621,163	51,401,146
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$109,077	\$2,338,463	\$5,426,859	\$2,610,083	(\$50,436)	(\$18,720)	\$17,082,215
5. Funded Ratio: (3) / (2)	21.4%	91.7%	85.4%	87.2%	106.6%	103.1%	75.1%
6. Annual payroll	\$91,725	\$5,655,860	\$12,507,696	\$6,141,437	\$583,376	\$582,504	\$11,793,638
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	1.63%	10.28%	11.32%	6.23%	3.92%	1.51%	10.29%
Prior Service	17.48%	2.83%	2.96%	3.23%	-0.34%	-0.13%	11.83%
Full Retirement	19.11%	13.11%	14.28%	9.46%	3.58%	1.38%	22.12%
Supplemental Death Benefit	0.13%	0.27%	0.20%	0.60%	0.00%	0.36%	0.38%
Combined Contribution	19.24%	13.38%	14.48%	10.06%	3.58%	1.74%	22.50%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	13.50%	N/A	11.50%	11.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	8.0 years	21.9 years	22.0 years	18.6 years	N/A	N/A	16.8 years
Number of Annuitants	0	90	30	76	5	4	123
Number of Active Contributing Members	2	79	176	122	13	12	171
Number of Inactive Members	2	105	77	100	12	5	69
Average age of Contributing Members	46.7 years	40.2 years	40.0 years	42.7 years	43.2 years	44.8 years	43.5 years
Average length of service of Contributing Members	8.3 years	8.4 years	8.3 years	6.6 years	8.3 years	9.7 years	11.6 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021**

	Freeport	Freer	Friendswood	Friona	Frisco	Fritch	Frost
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$13,078,709	\$473,995	\$45,258,638	\$1,915,762	\$273,578,904	\$550,073	\$55,863
b. Noncontributing Members	5,335,096	233,010	10,328,203	721,477	34,721,896	801,307	54,528
c. Annuitants	<u>15,611,960</u>	<u>682,683</u>	<u>41,276,823</u>	<u>3,241,316</u>	<u>65,522,422</u>	<u>449,766</u>	<u>186,935</u>
2. Total Actuarial Accrued Liability	\$34,025,765	\$1,389,688	\$96,863,664	\$5,878,555	\$373,823,222	\$1,801,146	\$297,326
3. Actuarial Value of Assets	<u>28,871,467</u>	<u>1,149,933</u>	<u>84,525,969</u>	<u>5,644,053</u>	<u>332,779,249</u>	<u>2,659,579</u>	<u>264,306</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$5,154,298	\$239,755	\$12,337,695	\$234,502	\$41,043,973	(\$858,433)	\$33,020
5. Funded Ratio: (3) / (2)	84.9%	82.7%	87.3%	96.0%	89.0%	147.7%	88.9%
6. Annual payroll	\$7,607,726	\$655,107	\$17,182,404	\$982,402	\$104,811,758	\$863,520	\$71,352
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.53%	3.26%	11.11%	6.34%	11.44%	8.94%	3.02%
Prior Service	<u>4.60%</u>	<u>2.98%</u>	<u>5.22%</u>	<u>2.58%</u>	<u>2.68%</u>	<u>-3.87%</u>	<u>6.70%</u>
Full Retirement	14.13%	6.24%	16.33%	8.92%	14.12%	5.07%	9.72%
Supplemental Death Benefit	<u>0.27%</u>	<u>0.78%</u>	<u>0.30%</u>	<u>0.40%</u>	<u>0.21%</u>	<u>0.55%</u>	<u>0.00%</u>
Combined Contribution	14.40%	7.02%	16.63%	9.32%	14.33%	5.62%	9.72%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	5.24%	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	13.50%	7.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	22.1 years	18.3 years	19.9 years	11.9 years	21.9 years	N/A	8.5 years
Number of Annuitants	93	11	152	17	270	10	4
Number of Active Contributing Members	128	17	216	23	1,242	22	2
Number of Inactive Members	119	12	131	24	645	34	2
Average age of Contributing Members	39.8 years	46.3 years	43.4 years	45.0 years	42.2 years	43.2 years	66.5 years
Average length of service of Contributing Members	7.3 years	6.3 years	11.9 years	10.2 years	10.9 years	4.9 years	8.6 years

	Fulshear	Fulton	Gainesville	Galena Park	Ganado	Garden Ridge	Garland
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,219,183	\$283,278	\$28,013,625	\$8,693,324	\$1,458,711	\$2,019,124	\$552,880,515
b. Noncontributing Members	487,725	41,839	5,082,009	3,200,274	1,130,325	1,053,883	62,973,619
c. Annuitants	<u>185,167</u>	<u>261,264</u>	<u>24,080,447</u>	<u>8,814,935</u>	<u>1,484,612</u>	<u>957,627</u>	<u>511,822,206</u>
2. Total Actuarial Accrued Liability	\$3,892,075	\$586,381	\$57,176,081	\$20,708,533	\$4,073,648	\$4,030,634	\$1,127,676,340
3. Actuarial Value of Assets	<u>3,622,903</u>	<u>589,120</u>	<u>49,325,183</u>	<u>20,151,427</u>	<u>4,138,669</u>	<u>3,707,378</u>	<u>1,095,228,166</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$269,172	(\$2,739)	\$7,850,898	\$557,106	(\$65,021)	\$323,256	\$32,448,174
5. Funded Ratio: (3) / (2)	93.1%	100.5%	86.3%	97.3%	101.6%	92.0%	97.1%
6. Annual payroll	\$4,621,159	\$310,370	\$12,869,487	\$4,062,905	\$471,782	\$1,826,490	\$172,457,622
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.73%	6.14%	5.46%	9.32%	12.33%	5.95%	8.57%
Prior Service	<u>0.45%</u>	<u>-0.03%</u>	<u>5.19%</u>	<u>0.93%</u>	<u>-0.54%</u>	<u>1.24%</u>	<u>2.26%</u>
Full Retirement	7.18%	6.11%	10.65%	10.25%	11.79%	7.19%	10.83%
Supplemental Death Benefit	<u>0.20%</u>	<u>0.47%</u>	<u>0.39%</u>	<u>0.45%</u>	<u>0.78%</u>	<u>0.48%</u>	<u>0.38%</u>
Combined Contribution	7.38%	6.58%	11.04%	10.70%	12.57%	7.67%	11.21%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	18.2 years	N/A	16.2 years	22.1 years	N/A	21.0 years	10.2 years
Number of Annuitants	3	4	150	56	11	19	1,626
Number of Active Contributing Members	66	6	216	69	10	27	2,082
Number of Inactive Members	30	3	141	99	6	31	822
Average age of Contributing Members	43.9 years	50.2 years	42.6 years	42.7 years	50.7 years	48.1 years	44.6 years
Average length of service of Contributing Members	8.9 years	7.0 years	10.1 years	8.5 years	17.4 years	11.1 years	13.3 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Garrett	Garrison	Gary	Gatesville	George West	Georgetown	Giddings
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$88,833	\$510,096	\$314,186	\$9,619,732	\$1,031,173	\$120,398,732	\$7,110,829
b. Noncontributing Members	0	388,174	3,833	1,156,493	529,199	20,380,817	1,419,525
c. Annuitants	0	1,011,476	258,354	12,260,645	571,488	59,176,301	10,343,633
2. Total Actuarial Accrued Liability	\$88,833	\$1,909,746	\$576,373	\$23,036,870	\$2,131,860	\$199,955,850	\$18,873,987
3. Actuarial Value of Assets	4,644	2,279,750	516,564	20,263,249	1,934,870	178,406,900	16,075,891
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$84,189	(\$370,004)	\$59,809	\$2,773,621	\$196,990	\$21,548,950	\$2,798,096
5. Funded Ratio: (3) / (2)	5.2%	119.4%	89.6%	88.0%	90.8%	89.2%	85.2%
6. Annual payroll	\$288,360	\$316,024	\$236,205	\$4,442,319	\$1,469,257	\$56,043,930	\$3,255,559
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	1.71%	10.92%	3.45%	9.87%	4.29%	9.41%	9.18%
Prior Service	3.07%	-4.56%	2.41%	4.75%	0.94%	2.80%	8.54%
Full Retirement	4.78%	6.36%	5.86%	14.62%	5.23%	12.21%	17.72%
Supplemental Death Benefit	0.20%	0.34%	0.00%	0.37%	0.35%	0.21%	0.51%
Combined Contribution	4.98%	6.70%	5.86%	14.99%	5.58%	12.42%	18.23%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	7.50%	N/A	N/A	13.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	12.0 years	N/A	14.1 years	18.6 years	21.0 years	19.8 years	12.9 years
Number of Annuitants	0	5	2	57	10	254	52
Number of Active Contributing Members	7	5	4	85	34	734	70
Number of Inactive Members	0	4	2	39	41	335	59
Average age of Contributing Members	44.1 years	47.2 years	53.1 years	41.2 years	47.3 years	42.1 years	44.2 years
Average length of service of Contributing Members	4.1 years	7.4 years	10.3 years	9.3 years	6.6 years	10.1 years	7.6 years

	Gilmer	Gladewater	Glen Rose	Glenn Heights	Godley	Goldsmith	Goldthwaite
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,787,183	\$1,734,098	\$1,737,380	\$3,327,305	\$441,595	\$345,745	\$2,607,505
b. Noncontributing Members	693,691	2,030,645	430,293	2,126,993	109,791	199,638	242,103
c. Annuitants	6,342,516	4,724,286	2,604,856	3,595,150	128,903	0	4,122,627
2. Total Actuarial Accrued Liability	\$11,823,390	\$8,489,029	\$4,772,529	\$9,049,448	\$680,289	\$545,383	\$6,972,235
3. Actuarial Value of Assets	10,415,814	8,426,303	4,318,585	11,126,579	639,517	553,194	5,935,567
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$1,407,576	\$62,726	\$453,944	(\$2,077,131)	\$40,772	(\$7,811)	\$1,036,668
5. Funded Ratio: (3) / (2)	88.1%	99.3%	90.5%	123.0%	94.0%	101.4%	85.1%
6. Annual payroll	\$2,346,785	\$2,674,301	\$936,516	\$4,930,495	\$788,076	\$366,105	\$775,775
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	8.65%	7.45%	11.18%	4.97%	1.61%	1.22%	10.72%
Prior Service	4.56%	0.16%	3.31%	-1.64%	0.51%	-0.08%	14.11%
Full Retirement	13.21%	7.61%	14.49%	3.33%	2.12%	1.14%	24.83%
Supplemental Death Benefit	0.41%	0.34%	0.50%	0.24%	0.33%	0.65%	0.45%
Combined Contribution	13.62%	7.95%	14.99%	3.57%	2.45%	1.79%	25.28%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	11.50%	N/A	12.50%	8.50%	7.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	18.6 years	22.1 years	21.9 years	N/A	12.9 years	N/A	12.5 years
Number of Annuitants	46	55	20	66	6	0	10
Number of Active Contributing Members	50	55	19	79	13	5	12
Number of Inactive Members	33	107	24	137	13	2	2
Average age of Contributing Members	42.3 years	42.6 years	45.0 years	41.8 years	39.1 years	50.1 years	45.8 years
Average length of service of Contributing Members	9.8 years	6.2 years	8.7 years	7.4 years	8.2 years	13.5 years	11.6 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Goliad	Gonzales	Gordon	Gorman	Graford	Graham	Granbury
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$824,820	\$7,840,086	\$38,022	\$204,036	\$64,816	\$6,923,747	\$27,301,417
b. Noncontributing Members	349,079	2,534,929	4,098	56,757	12,478	754,153	3,373,643
c. Annuitants	1,107,102	9,673,300	0	53,817	85,225	11,883,896	24,121,518
2. Total Actuarial Accrued Liability	\$2,281,001	\$20,048,315	\$42,120	\$314,610	\$162,519	\$19,561,796	\$54,796,578
3. Actuarial Value of Assets	2,509,609	17,821,130	36,355	191,074	163,864	17,633,170	45,374,779
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$228,608)	\$2,227,185	\$5,765	\$123,536	(\$1,345)	\$1,928,626	\$9,421,799
5. Funded Ratio: (3) / (2)	110.0%	88.9%	86.3%	60.7%	100.8%	90.1%	82.8%
6. Annual payroll	\$853,736	\$5,086,719	\$211,762	\$262,561	\$144,619	\$4,116,418	\$10,607,526
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.24%	6.13%	1.89%	2.11%	2.07%	6.66%	10.04%
Prior Service	-1.04%	3.24%	0.52%	6.73%	-0.04%	3.58%	6.97%
Full Retirement	5.20%	9.37%	2.41%	8.84%	2.03%	10.24%	17.01%
Supplemental Death Benefit	0.42%	0.39%	0.15%	0.41%	0.37%	0.63%	0.39%
Combined Contribution	5.62%	9.76%	2.56%	9.25%	2.40%	10.87%	17.40%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	19.4 years	6.0 years	8.3 years	N/A	18.9 years	17.8 years
Number of Annuitants	11	61	0	1	1	78	120
Number of Active Contributing Members	16	99	4	8	2	80	183
Number of Inactive Members	15	110	3	8	1	37	106
Average age of Contributing Members	42.9 years	40.8 years	48.2 years	52.9 years	52.8 years	44.1 years	44.9 years
Average length of service of Contributing Members	7.7 years	9.2 years	2.7 years	10.6 years	7.1 years	8.8 years	10.1 years

	Grand Prairie	Grand Saline	Grandview	Granger	Granite Shoals	Grapeland	Grapevine
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$307,454,021	\$1,029,186	\$1,216,309	\$271,494	\$1,587,121	\$48,124	\$143,735,572
b. Noncontributing Members	40,991,047	533,362	542,127	114,528	201,385	193,254	25,915,480
c. Annuitants	341,494,721	2,219,662	630,885	256,426	611,514	492,431	169,336,312
2. Total Actuarial Accrued Liability	\$689,939,789	\$3,782,210	\$2,389,321	\$642,448	\$2,400,020	\$733,809	\$338,987,364
3. Actuarial Value of Assets	613,108,580	3,630,998	2,180,299	705,907	2,459,330	740,430	297,063,172
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$76,831,209	\$151,212	\$209,022	(\$63,459)	(\$59,310)	(\$6,621)	\$41,924,192
5. Funded Ratio: (3) / (2)	88.9%	96.0%	91.3%	109.9%	102.5%	100.9%	87.6%
6. Annual payroll	\$108,095,706	\$1,106,007	\$966,775	\$523,885	\$2,420,550	\$407,746	\$49,481,370
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	11.17%	7.77%	10.09%	7.78%	4.40%	3.46%	11.86%
Prior Service	6.25%	1.03%	1.57%	-0.47%	-0.10%	-0.06%	7.12%
Full Retirement	17.42%	8.80%	11.66%	7.31%	4.30%	3.40%	18.98%
Supplemental Death Benefit	0.31%	0.38%	0.00%	0.00%	0.30%	0.00%	0.00%
Combined Contribution	17.73%	9.18%	11.66%	7.31%	4.60%	3.40%	18.98%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	11.50%	13.50%	13.50%	N/A	7.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	15.2 years	20.5 years	20.0 years	N/A	N/A	N/A	16.2 years
Number of Annuitants	899	20	12	13	13	12	479
Number of Active Contributing Members	1,380	26	20	12	40	11	572
Number of Inactive Members	742	24	21	10	26	27	320
Average age of Contributing Members	41.9 years	44.6 years	42.7 years	48.8 years	43.5 years	39.0 years	43.8 years
Average length of service of Contributing Members	11.1 years	7.1 years	7.8 years	12.2 years	7.6 years	2.6 years	12.4 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Greenville	Gregory	Grey Forest	Groesbeck	Groom	Groves	Groveton
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$52,961,888	\$298,068	\$7,652,506	\$1,389,395	\$180,510	\$18,783,603	\$238,984
b. Noncontributing Members	11,060,601	144,285	1,358,064	261,078	2,690	2,214,223	3,945
c. Annuitants	<u>68,259,983</u>	<u>92,127</u>	<u>8,817,651</u>	<u>583,850</u>	<u>202,652</u>	<u>22,868,994</u>	<u>27,545</u>
2. Total Actuarial Accrued Liability	\$132,282,472	\$534,480	\$17,828,221	\$2,234,323	\$385,852	\$43,866,820	\$270,474
3. Actuarial Value of Assets	<u>125,702,306</u>	<u>757,988</u>	<u>15,398,777</u>	<u>2,029,590</u>	<u>391,403</u>	<u>43,175,398</u>	<u>292,153</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$6,580,166	(\$223,508)	\$2,429,444	\$204,733	(\$5,551)	\$691,422	(\$21,679)
5. Funded Ratio: (3) / (2)	95.0%	141.8%	86.4%	90.8%	101.4%	98.4%	108.0%
6. Annual payroll	\$21,314,188	\$590,648	\$2,942,370	\$1,481,130	\$210,525	\$7,007,422	\$173,799
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	7.56%	5.81%	9.88%	1.11%	3.16%	6.96%	1.67%
Prior Service	<u>3.02%</u>	<u>-1.47%</u>	<u>6.62%</u>	<u>1.17%</u>	<u>-0.10%</u>	<u>0.68%</u>	<u>-0.49%</u>
Full Retirement	10.58%	4.34%	16.50%	2.28%	3.06%	7.64%	1.18%
Supplemental Death Benefit	<u>0.42%</u>	<u>0.45%</u>	<u>0.36%</u>	<u>0.41%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>0.99%</u>
Combined Contribution	11.00%	4.79%	16.86%	2.69%	3.06%	7.64%	2.17%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	9.50%	N/A	N/A	7.50%	N/A	7.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	13.2 years	N/A	17.3 years	17.7 years	N/A	22.3 years	N/A
Number of Annuitants	334	2	26	17	5	105	2
Number of Active Contributing Members	336	15	35	34	4	98	7
Number of Inactive Members	185	15	18	20	1	66	5
Average age of Contributing Members	43.5 years	46.6 years	45.1 years	44.9 years	49.1 years	42.9 years	55.4 years
Average length of service of Contributing Members	10.8 years	8.8 years	10.3 years	11.4 years	7.9 years	12.6 years	12.3 years

	Gruver	Gun Barrel City	Gunter	Hale Center	Hallettsville	Hallsville	Haltom City
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$656,072	\$2,898,796	\$452,370	\$332,729	\$5,004,175	\$681,800	\$62,842,805
b. Noncontributing Members	450,154	701,189	118,767	73,331	422,143	78,020	14,562,033
c. Annuitants	<u>459,966</u>	<u>1,322,528</u>	<u>148,339</u>	<u>170,301</u>	<u>3,956,099</u>	<u>186,402</u>	<u>65,646,044</u>
2. Total Actuarial Accrued Liability	\$1,566,192	\$4,922,513	\$719,476	\$576,361	\$9,382,417	\$946,222	\$143,050,882
3. Actuarial Value of Assets	<u>1,525,896</u>	<u>4,498,045</u>	<u>531,273</u>	<u>520,088</u>	<u>8,566,707</u>	<u>756,275</u>	<u>123,030,120</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$40,296	\$424,468	\$188,203	\$56,273	\$815,710	\$189,947	\$20,020,762
5. Funded Ratio: (3) / (2)	97.4%	91.4%	73.8%	90.2%	91.3%	79.9%	86.0%
6. Annual payroll	\$286,705	\$2,187,880	\$740,102	\$550,333	\$1,656,369	\$941,736	\$18,889,300
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	8.39%	8.52%	12.51%	4.25%	7.11%	4.62%	10.62%
Prior Service	<u>2.96%</u>	<u>1.52%</u>	<u>2.07%</u>	<u>0.98%</u>	<u>5.66%</u>	<u>1.42%</u>	<u>8.50%</u>
Full Retirement	11.35%	10.04%	14.58%	5.23%	12.77%	6.04%	19.12%
Supplemental Death Benefit	<u>0.00%</u>	<u>0.36%</u>	<u>0.24%</u>	<u>0.26%</u>	<u>0.58%</u>	<u>0.44%</u>	<u>0.35%</u>
Combined Contribution	11.35%	10.40%	14.82%	5.49%	13.35%	6.48%	19.47%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	13.50%	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	5.3 years	19.2 years	16.9 years	13.6 years	10.8 years	20.9 years	18.2 years
Number of Annuitants	3	26	5	3	25	5	246
Number of Active Contributing Members	5	47	14	12	33	19	261
Number of Inactive Members	7	42	13	7	21	11	157
Average age of Contributing Members	58.2 years	45.2 years	45.5 years	42.8 years	47.4 years	49.3 years	44.6 years
Average length of service of Contributing Members	9.7 years	7.4 years	9.4 years	7.5 years	16.1 years	9.7 years	13.3 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Hamilton	Hamlin	Happy	Harker Heights	Harlingen	Harlingen Waterworks Sys	Hart
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,274,493	\$878,618	\$344,118	\$33,313,677	\$38,660,277	\$12,209,104	\$179,741
b. Noncontributing Members	669,091	302,615	142,516	8,656,039	9,993,336	1,601,867	47,997
c. Annuitants	3,239,724	1,873,294	187,221	25,103,659	53,445,319	14,377,887	16,107
2. Total Actuarial Accrued Liability	\$5,183,308	\$3,054,527	\$673,855	\$67,073,375	\$102,098,932	\$28,188,858	\$243,845
3. Actuarial Value of Assets	4,468,877	2,932,542	740,540	56,733,688	98,653,811	26,048,918	197,203
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$714,431	\$121,985	(\$66,685)	\$10,339,687	\$3,445,121	\$2,139,940	\$46,642
5. Funded Ratio: (3) / (2)	86.2%	96.0%	109.9%	84.6%	96.6%	92.4%	80.9%
6. Annual payroll	\$1,140,620	\$693,884	\$109,653	\$13,898,013	\$23,917,228	\$7,080,164	\$149,183
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.42%	3.61%	8.52%	10.13%	6.42%	5.80%	1.11%
Prior Service	5.56%	1.27%	-2.37%	5.09%	1.96%	3.60%	3.27%
Full Retirement	14.98%	4.88%	6.15%	15.22%	8.38%	9.40%	4.38%
Supplemental Death Benefit	0.61%	0.92%	0.51%	0.26%	0.46%	0.57%	0.00%
Combined Contribution	15.59%	5.80%	6.66%	15.48%	8.84%	9.97%	4.38%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	15.50%	13.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	15.0 years	20.5 years	N/A	21.9 years	8.7 years	10.3 years	12.1 years
Number of Annuitants	24	15	1	109	354	135	1
Number of Active Contributing Members	29	17	2	215	498	141	4
Number of Inactive Members	45	8	1	166	87	41	1
Average age of Contributing Members	44.9 years	45.5 years	55.5 years	40.7 years	44.6 years	44.4 years	45.0 years
Average length of service of Contributing Members	4.9 years	7.1 years	14.8 years	12.9 years	10.5 years	11.2 years	13.0 years

	Haskell	Haslet	Hawkins	Hays	Hearne	Heath	Hedley
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$570,283	\$2,954,220	\$1,447,599	\$58,222	\$4,814,137	\$6,164,319	\$13,515
b. Noncontributing Members	346,958	986,246	46,285	0	1,268,003	3,015,811	166,296
c. Annuitants	642,680	387,859	819,263	123,279	4,667,870	6,498,202	16,988
2. Total Actuarial Accrued Liability	\$1,559,921	\$4,328,325	\$2,313,147	\$181,501	\$10,750,010	\$15,678,332	\$196,799
3. Actuarial Value of Assets	2,235,938	4,271,348	2,581,117	179,978	9,151,049	14,055,026	220,277
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$676,017)	\$56,977	(\$267,970)	\$1,523	\$1,598,961	\$1,623,306	(\$23,478)
5. Funded Ratio: (3) / (2)	143.3%	98.7%	111.6%	99.2%	85.1%	89.6%	111.9%
6. Annual payroll	\$1,137,509	\$1,779,083	\$508,006	\$48,231	\$2,483,441	\$5,066,088	\$31,188
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	1.81%	8.06%	8.69%	9.94%	9.44%	9.56%	5.52%
Prior Service	-1.81%	0.22%	-2.05%	0.72%	4.79%	2.25%	-2.93%
Full Retirement	0.00%	8.28%	6.64%	10.66%	14.23%	11.81%	2.59%
Supplemental Death Benefit	0.47%	0.35%	0.56%	0.96%	0.53%	0.24%	1.76%
Combined Contribution	0.47%	8.63%	7.20%	11.62%	14.76%	12.05%	4.35%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	15.50%	N/A	N/A	N/A	13.50%	11.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	21.6 years	N/A	5.0 years	19.2 years	20.9 years	N/A
Number of Annuitants	9	7	14	3	31	31	1
Number of Active Contributing Members	26	27	11	1	51	58	1
Number of Inactive Members	14	34	5	0	48	42	6
Average age of Contributing Members	43.0 years	48.2 years	52.3 years	58.3 years	46.3 years	42.0 years	54.5 years
Average length of service of Contributing Members	5.7 years	10.7 years	10.1 years	4.8 years	8.9 years	10.0 years	3.3 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021**

	Hedwig Village	Helotes	Hemphill	Hempstead	Henderson	Henrietta	Hereford
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,250,323	\$5,084,333	\$994,095	\$7,893,198	\$19,013,216	\$1,145,738	\$13,286,394
b. Noncontributing Members	1,001,423	1,833,809	415,935	353,285	3,261,791	601,095	1,357,366
c. Annuitants	<u>3,456,782</u>	<u>2,458,239</u>	<u>2,557,631</u>	<u>5,504,500</u>	<u>18,140,709</u>	<u>1,801,368</u>	<u>10,903,563</u>
2. Total Actuarial Accrued Liability	\$6,708,528	\$9,376,381	\$3,967,661	\$13,750,983	\$40,415,716	\$3,548,201	\$25,547,323
3. Actuarial Value of Assets	<u>6,249,429</u>	<u>8,978,458</u>	<u>3,560,518</u>	<u>13,148,478</u>	<u>34,618,267</u>	<u>3,050,533</u>	<u>23,311,689</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$459,099	\$397,923	\$407,143	\$602,505	\$5,797,449	\$497,668	\$2,235,634
5. Funded Ratio: (3) / (2)	93.2%	95.8%	89.7%	95.6%	85.7%	86.0%	91.2%
6. Annual payroll	\$2,314,608	\$4,069,758	\$1,280,706	\$3,939,886	\$7,323,060	\$780,749	\$5,802,267
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.02%	5.69%	4.75%	5.90%	10.10%	9.86%	6.33%
Prior Service	<u>1.92%</u>	<u>1.07%</u>	<u>2.39%</u>	<u>1.04%</u>	<u>6.21%</u>	<u>4.50%</u>	<u>3.10%</u>
Full Retirement	7.94%	6.76%	7.14%	6.94%	16.31%	14.36%	9.43%
Supplemental Death Benefit	<u>0.36%</u>	<u>0.23%</u>	<u>0.65%</u>	<u>0.41%</u>	<u>0.32%</u>	<u>0.52%</u>	<u>0.38%</u>
Combined Contribution	8.30%	6.99%	7.79%	7.35%	16.63%	14.88%	9.81%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	13.50%	11.50%	N/A	N/A	N/A	11.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	13.5 years	11.4 years	18.9 years	21.9 years	17.8 years	21.4 years	17.2 years
Number of Annuitants	21	22	18	29	77	15	54
Number of Active Contributing Members	28	68	23	74	138	17	95
Number of Inactive Members	23	66	12	39	77	12	37
Average age of Contributing Members	45.0 years	40.1 years	46.0 years	46.4 years	40.5 years	47.9 years	41.5 years
Average length of service of Contributing Members	9.9 years	9.3 years	6.1 years	10.0 years	9.9 years	7.4 years	11.5 years

	Hewitt	Hickory Creek	Hico	Hidalgo	Higgins	Highland Park	Highland Village
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$15,412,684	\$3,727,305	\$394,249	\$13,375,736	\$53,454	\$36,242,451	\$29,127,336
b. Noncontributing Members	2,579,942	413,512	272,871	5,805,060	10,857	4,993,173	8,462,916
c. Annuitants	<u>7,633,314</u>	<u>1,064,078</u>	<u>786,059</u>	<u>6,356,475</u>	<u>303,971</u>	<u>47,511,456</u>	<u>17,841,569</u>
2. Total Actuarial Accrued Liability	\$25,625,940	\$5,204,895	\$1,453,179	\$25,537,271	\$368,282	\$88,747,080	\$55,431,821
3. Actuarial Value of Assets	<u>21,760,836</u>	<u>4,347,316</u>	<u>1,470,086</u>	<u>23,653,730</u>	<u>378,359</u>	<u>86,643,216</u>	<u>50,461,672</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$3,865,104	\$857,579	(\$16,907)	\$1,883,541	(\$10,077)	\$2,103,864	\$4,970,149
5. Funded Ratio: (3) / (2)	84.9%	83.5%	101.2%	92.6%	102.7%	97.6%	91.0%
6. Annual payroll	\$5,517,147	\$1,451,934	\$546,311	\$5,978,279	\$101,643	\$14,560,036	\$11,370,407
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	11.24%	10.91%	8.90%	8.90%	3.98%	6.10%	10.79%
Prior Service	<u>4.81%</u>	<u>4.42%</u>	<u>-0.12%</u>	<u>2.80%</u>	<u>-0.39%</u>	<u>2.38%</u>	<u>2.96%</u>
Full Retirement	16.05%	15.33%	8.78%	11.70%	3.59%	8.48%	13.75%
Supplemental Death Benefit	<u>0.23%</u>	<u>0.18%</u>	<u>0.64%</u>	<u>0.00%</u>	<u>0.95%</u>	<u>0.00%</u>	<u>0.29%</u>
Combined Contribution	16.28%	15.51%	9.42%	11.70%	4.54%	8.48%	14.04%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	13.50%	13.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	21.7 years	21.3 years	N/A	15.3 years	N/A	7.0 years	22.2 years
Number of Annuitants	36	14	10	51	3	133	99
Number of Active Contributing Members	95	23	12	142	2	124	149
Number of Inactive Members	77	16	9	113	1	43	126
Average age of Contributing Members	41.2 years	41.2 years	48.1 years	43.7 years	65.6 years	44.6 years	42.5 years
Average length of service of Contributing Members	11.5 years	11.4 years	5.0 years	8.3 years	6.0 years	14.6 years	11.7 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Hill Country Village	Hillsboro	Hilshire Village	Hitchcock	Holland	Holiday	Hollywood Park
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,206,679	\$12,745,894	\$171,405	\$883,260	\$209,212	\$864,159	\$4,449,942
b. Noncontributing Members	661,851	2,688,504	0	996,839	12,444	323,099	815,945
c. Annuitants	640,826	9,810,537	10,416	2,979,644	311,807	113	2,705,834
2. Total Actuarial Accrued Liability	\$2,509,356	\$25,244,935	\$181,821	\$4,859,743	\$533,463	\$1,187,371	\$7,971,721
3. Actuarial Value of Assets	2,587,770	22,122,035	179,496	4,980,065	654,443	957,052	7,160,860
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$78,414)	\$3,122,900	\$2,325	(\$120,322)	(\$120,980)	\$230,319	\$810,861
5. Funded Ratio: (3) / (2)	103.1%	87.6%	98.7%	102.5%	122.7%	80.6%	89.8%
6. Annual payroll	\$993,340	\$4,985,672	\$144,141	\$2,351,633	\$277,583	\$375,965	\$2,327,602
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	4.62%	6.22%	5.31%	6.41%	5.58%	4.14%	6.76%
Prior Service	-0.31%	6.20%	0.93%	-0.20%	-1.70%	7.97%	2.39%
Full Retirement	4.31%	12.42%	6.24%	6.21%	3.88%	12.11%	9.15%
Supplemental Death Benefit	0.26%	0.00%	0.45%	0.36%	0.92%	0.00%	0.34%
Combined Contribution	4.57%	12.42%	6.69%	6.57%	4.80%	12.11%	9.49%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	12.50%	10.50%	N/A	10.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	13.2 years	1.8 years	N/A	N/A	9.5 years	21.8 years
Number of Annuitants	6	76	1	38	3	1	27
Number of Active Contributing Members	15	94	2	44	8	9	39
Number of Inactive Members	20	78	0	59	3	7	33
Average age of Contributing Members	47.4 years	44.1 years	49.8 years	43.1 years	54.0 years	51.1 years	45.7 years
Average length of service of Contributing Members	13.8 years	11.6 years	9.5 years	5.3 years	6.5 years	11.2 years	10.9 years

	Hondo	Honey Grove	Hooks	Horizon City	Howe	Hubbard	Hudson
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,604,403	\$474,243	\$533,857	\$2,645,672	\$549,535	\$234,485	\$954,226
b. Noncontributing Members	2,657,155	235,324	320,396	115,010	659,749	201,019	75,877
c. Annuitants	10,804,230	1,129,637	1,069,596	257,884	1,587,857	208,863	150,568
2. Total Actuarial Accrued Liability	\$18,065,788	\$1,839,204	\$1,923,849	\$3,018,566	\$2,797,141	\$644,367	\$1,180,671
3. Actuarial Value of Assets	17,305,753	1,863,108	1,627,937	1,512,169	2,927,452	660,650	1,174,671
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$760,035	(\$23,904)	\$295,912	\$1,506,397	(\$130,311)	(\$16,283)	\$6,000
5. Funded Ratio: (3) / (2)	95.8%	101.3%	84.6%	50.1%	104.7%	102.5%	99.5%
6. Annual payroll	\$5,072,398	\$540,927	\$537,687	\$3,683,202	\$1,010,886	\$470,886	\$641,632
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.40%	5.82%	7.49%	2.77%	5.82%	3.08%	3.87%
Prior Service	1.01%	-0.17%	6.11%	2.79%	-0.50%	-0.13%	0.08%
Full Retirement	7.41%	5.65%	13.60%	5.56%	5.32%	2.95%	3.95%
Supplemental Death Benefit	0.35%	0.46%	0.28%	0.19%	0.56%	0.25%	0.42%
Combined Contribution	7.76%	6.11%	13.88%	5.75%	5.88%	3.20%	4.37%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	9.50%	N/A	N/A	11.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	22.3 years	N/A	11.2 years	22.0 years	N/A	N/A	16.0 years
Number of Annuitants	75	11	7	3	13	5	3
Number of Active Contributing Members	106	13	13	76	17	12	11
Number of Inactive Members	113	12	14	25	22	18	10
Average age of Contributing Members	42.8 years	43.5 years	39.5 years	41.9 years	44.8 years	39.3 years	48.4 years
Average length of service of Contributing Members	6.8 years	10.8 years	8.8 years	6.4 years	7.2 years	6.1 years	13.6 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Hudson Oaks	Hughes Springs	Humble	Hunters Creek Village	Huntington	Huntsville	Hurst
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,063,192	\$3,498,431	\$48,199,146	\$1,176,385	\$1,884,744	\$42,780,761	\$81,087,125
b. Noncontributing Members	1,434,403	305	2,865,233	142,637	422,403	8,382,279	13,154,957
c. Annuitants	<u>1,389,043</u>	<u>1,736,488</u>	<u>41,806,770</u>	<u>666,628</u>	<u>2,106,382</u>	<u>55,675,209</u>	<u>88,112,314</u>
2. Total Actuarial Accrued Liability	\$5,886,638	\$5,235,224	\$92,871,149	\$1,985,650	\$4,413,529	\$106,838,249	\$182,354,396
3. Actuarial Value of Assets	<u>5,409,347</u>	<u>5,685,047</u>	<u>85,181,154</u>	<u>1,430,291</u>	<u>3,863,798</u>	<u>86,317,779</u>	<u>173,426,959</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$477,291	(\$449,823)	\$7,689,995	\$555,359	\$549,731	\$20,520,470	\$8,927,437
5. Funded Ratio: (3) / (2)	91.9%	108.6%	91.7%	72.0%	87.5%	80.8%	95.1%
6. Annual payroll	\$1,744,492	\$742,970	\$17,344,991	\$551,857	\$929,222	\$16,031,211	\$26,343,525
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	10.42%	10.46%	9.39%	10.00%	11.00%	8.42%	8.25%
Prior Service	<u>1.90%</u>	<u>-2.36%</u>	<u>3.79%</u>	<u>9.80%</u>	<u>4.06%</u>	<u>10.95%</u>	<u>3.20%</u>
Full Retirement	12.32%	8.10%	13.18%	19.80%	15.06%	19.37%	11.45%
Supplemental Death Benefit	<u>0.23%</u>	<u>0.45%</u>	<u>0.29%</u>	<u>0.67%</u>	<u>0.44%</u>	<u>0.40%</u>	<u>0.00%</u>
Combined Contribution	12.55%	8.55%	13.47%	20.47%	15.50%	19.77%	11.45%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	21.3 years	N/A	15.8 years	13.3 years	21.8 years	16.2 years	13.8 years
Number of Annuitants	14	5	135	9	14	229	311
Number of Active Contributing Members	22	14	205	7	21	272	342
Number of Inactive Members	24	1	62	2	16	204	244
Average age of Contributing Members	39.0 years	55.2 years	42.2 years	48.6 years	45.0 years	42.9 years	43.3 years
Average length of service of Contributing Members	9.7 years	16.1 years	12.6 years	16.9 years	9.6 years	10.1 years	14.0 years

	Hutchins	Hutto	Huxley	Idalou	Ingleside	Ingram	Iowa Colony
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$5,509,454	\$10,543,124	\$424,090	\$448,510	\$4,805,346	\$158,130	\$275,067
b. Noncontributing Members	1,970,706	7,700,702	157,240	347,959	2,691,857	219,900	34,317
c. Annuitants	<u>2,778,976</u>	<u>3,849,529</u>	<u>395,267</u>	<u>0</u>	<u>6,361,121</u>	<u>571,848</u>	<u>459,594</u>
2. Total Actuarial Accrued Liability	\$10,259,136	\$22,093,355	\$976,597	\$796,469	\$13,858,324	\$949,878	\$768,978
3. Actuarial Value of Assets	<u>10,763,166</u>	<u>22,780,098</u>	<u>1,081,223</u>	<u>818,237</u>	<u>14,260,067</u>	<u>985,528</u>	<u>776,228</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$504,030)	(\$686,743)	(\$104,626)	(\$21,768)	(\$401,743)	(\$35,650)	(\$7,250)
5. Funded Ratio: (3) / (2)	104.9%	103.1%	110.7%	102.7%	102.9%	103.8%	100.9%
6. Annual payroll	\$4,660,876	\$7,948,948	\$363,457	\$713,380	\$4,763,335	\$588,401	\$1,023,035
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	8.00%	12.42%	3.90%	4.32%	7.49%	6.21%	7.20%
Prior Service	<u>-0.42%</u>	<u>-0.34%</u>	<u>-1.12%</u>	<u>-0.12%</u>	<u>-0.33%</u>	<u>-0.24%</u>	<u>-0.03%</u>
Full Retirement	7.58%	12.08%	2.78%	4.20%	7.16%	5.97%	7.17%
Supplemental Death Benefit	<u>0.21%</u>	<u>0.25%</u>	<u>0.51%</u>	<u>0.14%</u>	<u>0.39%</u>	<u>0.00%</u>	<u>0.19%</u>
Combined Contribution	7.79%	12.33%	3.29%	4.34%	7.55%	5.97%	7.36%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	11.50%	N/A	11.50%	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Number of Annuitants	36	34	6	0	57	14	2
Number of Active Contributing Members	76	109	9	16	96	13	19
Number of Inactive Members	68	192	9	20	93	20	13
Average age of Contributing Members	38.8 years	43.8 years	43.9 years	41.7 years	44.6 years	44.0 years	42.8 years
Average length of service of Contributing Members	8.9 years	9.8 years	11.2 years	8.4 years	7.0 years	3.2 years	8.0 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Iowa Park	Iraan	Irving	Italy	Itasca	Jacinto City	Jacksboro
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,373,645	\$1,016,451	\$395,705,762	\$248,865	\$1,033,914	\$11,122,606	\$2,822,366
b. Noncontributing Members	1,322,139	105,318	58,038,330	162,446	228,140	889,109	1,794,962
c. Annuitants	4,413,575	668,519	417,211,855	349,149	1,140,517	2,526,283	3,849,462
2. Total Actuarial Accrued Liability	\$10,109,359	\$1,790,288	\$870,955,947	\$760,460	\$2,402,571	\$14,537,998	\$8,466,790
3. Actuarial Value of Assets	9,680,519	1,453,237	871,457,579	623,416	2,642,448	11,159,293	7,344,068
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$428,840	\$337,051	(\$501,632)	\$137,044	(\$239,877)	\$3,378,705	\$1,122,722
5. Funded Ratio: (3) / (2)	95.8%	81.2%	100.1%	82.0%	110.0%	76.8%	86.7%
6. Annual payroll	\$1,955,616	\$316,705	\$122,487,985	\$863,636	\$768,705	\$3,636,735	\$1,964,610
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	7.17%	6.18%	9.70%	2.03%	10.24%	7.99%	9.70%
Prior Service	2.07%	11.61%	-0.02%	1.13%	-1.21%	7.83%	3.92%
Full Retirement	9.24%	17.79%	9.68%	3.16%	9.03%	15.82%	13.62%
Supplemental Death Benefit	0.41%	0.62%	0.34%	0.53%	0.44%	0.59%	0.51%
Combined Contribution	9.65%	18.41%	10.02%	3.69%	9.47%	16.41%	14.13%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	13.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	13.9 years	11.5 years	N/A	20.6 years	N/A	16.1 years	21.8 years
Number of Annuitants	36	5	1,150	11	9	28	25
Number of Active Contributing Members	43	6	1,532	19	19	74	39
Number of Inactive Members	41	2	679	30	27	43	45
Average age of Contributing Members	40.6 years	52.2 years	43.6 years	51.1 years	45.0 years	46.3 years	45.8 years
Average length of service of Contributing Members	8.7 years	14.2 years	12.8 years	8.7 years	4.5 years	10.7 years	6.9 years

	Jacksonville	Jasper	Jefferson	Jersey Village	Jewett	Joaquin	Johnson City
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$13,710,422	\$15,348,883	\$729,741	\$9,718,441	\$597,884	\$92,804	\$1,267,033
b. Noncontributing Members	3,444,827	1,712,274	275,474	6,828,183	3,510	17,326	561,725
c. Annuitants	17,276,647	12,883,921	803,244	13,802,865	794,992	259,066	757,989
2. Total Actuarial Accrued Liability	\$34,431,896	\$29,945,078	\$1,808,459	\$30,349,489	\$1,396,386	\$369,196	\$2,586,747
3. Actuarial Value of Assets	32,017,977	28,546,208	2,231,458	26,515,436	1,180,029	293,206	2,350,254
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$2,413,919	\$1,398,870	(\$422,999)	\$3,834,053	\$216,357	\$75,990	\$236,493
5. Funded Ratio: (3) / (2)	93.0%	95.3%	123.4%	87.4%	84.5%	79.4%	90.9%
6. Annual payroll	\$6,737,707	\$6,623,711	\$706,843	\$6,825,722	\$267,801	\$244,543	\$795,268
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	7.23%	5.11%	2.51%	10.13%	5.23%	1.93%	6.25%
Prior Service	2.65%	2.69%	-2.33%	3.84%	9.26%	3.26%	2.39%
Full Retirement	9.88%	7.80%	0.18%	13.97%	14.49%	5.19%	8.64%
Supplemental Death Benefit	0.40%	0.49%	0.54%	0.35%	0.31%	0.78%	0.24%
Combined Contribution	10.28%	8.29%	0.72%	14.32%	14.80%	5.97%	8.88%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	15.50%	N/A	N/A	N/A	N/A	10.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	19.7 years	9.5 years	N/A	21.9 years	11.4 years	12.1 years	17.2 years
Number of Annuitants	112	87	13	69	4	8	7
Number of Active Contributing Members	123	120	15	98	5	6	14
Number of Inactive Members	117	56	27	106	1	3	13
Average age of Contributing Members	40.3 years	45.4 years	51.5 years	42.2 years	51.2 years	49.7 years	43.3 years
Average length of service of Contributing Members	9.4 years	11.0 years	9.4 years	8.2 years	15.3 years	6.0 years	9.8 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Jones Creek	Jonestown	Josephine	Joshua	Jourdanton	Junction	Justin
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$301,069	\$1,485,003	\$658,931	\$1,852,663	\$1,199,121	\$2,380,344	\$1,792,485
b. Noncontributing Members	57,416	421,389	220,828	1,372,585	598,595	181,198	620,376
c. Annuitants	235,708	594,116	6,592	1,151,065	1,731,565	1,953,555	855,952
2. Total Actuarial Accrued Liability	\$594,193	\$2,500,508	\$886,351	\$4,376,313	\$3,529,281	\$4,515,097	\$3,268,813
3. Actuarial Value of Assets	551,994	2,326,653	869,995	4,678,804	3,517,032	4,381,917	3,090,537
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$42,199	\$173,855	\$16,356	(\$302,491)	\$12,249	\$133,180	\$178,276
5. Funded Ratio: (3) / (2)	92.9%	93.0%	98.2%	106.9%	99.7%	97.1%	94.5%
6. Annual payroll	\$395,277	\$1,571,743	\$877,720	\$2,137,721	\$1,400,674	\$1,127,906	\$2,813,650
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	3.35%	6.79%	8.34%	6.15%	5.34%	9.53%	6.82%
Prior Service	1.71%	0.79%	0.14%	-0.55%	0.06%	0.79%	0.44%
Full Retirement	5.06%	7.58%	8.48%	5.60%	5.40%	10.32%	7.26%
Supplemental Death Benefit	0.58%	0.40%	0.15%	0.22%	0.81%	0.38%	0.00%
Combined Contribution	5.64%	7.98%	8.63%	5.82%	6.21%	10.70%	7.26%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	13.50%	9.50%	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	7.2 years	20.5 years	19.0 years	N/A	23.0 years	22.5 years	21.0 years
Number of Annuitants	5	13	1	11	21	14	13
Number of Active Contributing Members	7	31	16	46	33	24	46
Number of Inactive Members	7	25	11	52	52	11	34
Average age of Contributing Members	48.6 years	47.6 years	40.3 years	42.1 years	43.8 years	48.4 years	39.6 years
Average length of service of Contributing Members	13.4 years	8.9 years	8.6 years	9.0 years	8.7 years	7.3 years	7.1 years

	Karnes City	Katy	Kaufman	Keene	Keller	Kemah	Kemp
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,036,760	\$37,793,949	\$7,917,107	\$2,016,692	\$59,798,340	\$1,999,503	\$909,808
b. Noncontributing Members	527,839	5,040,125	1,338,887	3,402,479	14,862,206	1,617,884	262,501
c. Annuitants	1,019,034	22,801,604	8,144,340	6,190,399	49,813,284	2,704,319	344,174
2. Total Actuarial Accrued Liability	\$3,583,633	\$65,635,678	\$17,400,334	\$11,609,570	\$124,473,830	\$6,321,706	\$1,516,483
3. Actuarial Value of Assets	3,108,581	60,626,272	15,615,386	10,809,222	109,146,362	6,401,734	1,317,734
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$475,052	\$5,009,406	\$1,784,948	\$800,348	\$15,327,468	(\$80,028)	\$198,749
5. Funded Ratio: (3) / (2)	86.7%	92.4%	89.7%	93.1%	87.7%	101.3%	86.9%
6. Annual payroll	\$1,284,172	\$18,120,678	\$4,080,652	\$2,647,150	\$20,237,875	\$2,330,788	\$761,178
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	5.90%	11.52%	10.01%	10.13%	10.00%	6.10%	7.83%
Prior Service	2.53%	2.03%	3.16%	2.29%	5.91%	-0.13%	2.00%
Full Retirement	8.43%	13.55%	13.17%	12.42%	15.91%	5.97%	9.83%
Supplemental Death Benefit	0.36%	0.23%	0.35%	0.35%	0.24%	0.28%	0.41%
Combined Contribution	8.79%	13.78%	13.52%	12.77%	16.15%	6.25%	10.24%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	21.9 years	19.6 years	20.4 years	18.8 years	18.7 years	N/A	18.5 years
Number of Annuitants	12	80	56	30	192	29	11
Number of Active Contributing Members	23	261	74	48	272	41	18
Number of Inactive Members	16	98	59	78	251	45	27
Average age of Contributing Members	48.0 years	39.6 years	42.6 years	40.8 years	41.6 years	42.2 years	41.0 years
Average length of service of Contributing Members	12.6 years	8.4 years	10.6 years	6.8 years	12.4 years	7.6 years	5.6 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021**

	Kempner	Kenedy	Kennedale	Kerens	Kermit	Kerrville	Kerrville PUB
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$7,334	\$2,099,280	\$6,568,797	\$433,270	\$7,597,329	\$45,814,409	\$12,895,793
b. Noncontributing Members	1,659	1,145,591	6,621,238	58,460	2,593,871	10,689,473	6,353,503
c. Annuitants	0	1,334,357	8,753,371	156,159	5,215,151	40,936,232	14,132,961
2. Total Actuarial Accrued Liability	\$8,993	\$4,579,228	\$21,943,406	\$647,889	\$15,406,351	\$97,440,114	\$33,382,257
3. Actuarial Value of Assets	9,185	3,569,776	19,484,309	375,493	12,743,648	90,452,915	31,381,617
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$192)	\$1,009,452	\$2,459,097	\$272,396	\$2,662,703	\$6,987,199	\$2,000,640
5. Funded Ratio: (3) / (2)	102.1%	78.0%	88.8%	58.0%	82.7%	92.8%	94.0%
6. Annual payroll	\$157,820	\$2,810,325	\$4,563,715	\$454,325	\$3,109,126	\$19,729,546	\$4,393,665
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	1.16%	7.09%	10.59%	5.70%	8.78%	7.74%	8.96%
Prior Service	0.00%	2.63%	3.78%	6.95%	5.91%	2.39%	3.33%
Full Retirement	1.16%	9.72%	14.37%	12.65%	14.69%	10.13%	12.29%
Supplemental Death Benefit	0.07%	0.24%	0.32%	0.34%	0.49%	0.37%	0.35%
Combined Contribution	1.23%	9.96%	14.69%	12.99%	15.18%	10.50%	12.64%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	11.50%	N/A	N/A	N/A	15.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	19.7 years	21.1 years	10.6 years	21.6 years	22.3 years	20.0 years
Number of Annuitants	0	14	59	1	32	268	48
Number of Active Contributing Members	5	52	60	10	54	317	53
Number of Inactive Members	2	80	129	6	116	226	32
Average age of Contributing Members	33.7 years	41.5 years	43.2 years	52.8 years	44.6 years	43.4 years	44.5 years
Average length of service of Contributing Members	1.1 years	7.0 years	9.9 years	9.7 years	7.7 years	10.4 years	11.5 years

	Kilgore	Killeen	Kingsville	Kirby	Kirbyville	Knox City	Kosse
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$16,915,177	\$98,684,826	\$28,702,438	\$3,022,422	\$686,781	\$279,909	\$51,145
b. Noncontributing Members	4,111,510	20,106,560	7,927,393	1,786,292	334,689	141,419	4,756
c. Annuitants	31,507,253	117,331,681	35,657,549	6,067,163	1,281,026	328,560	9,693
2. Total Actuarial Accrued Liability	\$52,533,940	\$236,123,067	\$72,287,380	\$10,875,877	\$2,302,496	\$749,888	\$65,594
3. Actuarial Value of Assets	47,205,900	200,896,134	69,887,715	9,786,191	1,981,174	860,517	74,739
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$5,328,040	\$35,226,933	\$2,399,665	\$1,089,686	\$321,322	(\$110,629)	(\$9,145)
5. Funded Ratio: (3) / (2)	89.9%	85.1%	96.7%	90.0%	86.0%	114.8%	113.9%
6. Annual payroll	\$8,164,064	\$51,051,083	\$12,769,846	\$2,359,314	\$981,032	\$349,721	\$200,185
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.75%	7.43%	6.63%	11.24%	3.09%	3.53%	1.65%
Prior Service	4.58%	6.94%	1.54%	3.11%	2.25%	-1.23%	-0.18%
Full Retirement	14.33%	14.37%	8.17%	14.35%	5.34%	2.30%	1.47%
Supplemental Death Benefit	0.49%	0.33%	0.00%	0.29%	0.72%	0.77%	0.21%
Combined Contribution	14.82%	14.70%	8.17%	14.64%	6.06%	3.07%	1.68%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	7.50%	9.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	21.0 years	12.7 years	16.7 years	22.4 years	22.0 years	N/A	N/A
Number of Annuitants	146	628	198	41	19	8	1
Number of Active Contributing Members	137	936	270	44	25	8	4
Number of Inactive Members	113	645	191	124	35	10	2
Average age of Contributing Members	43.6 years	42.8 years	44.7 years	40.6 years	44.3 years	51.1 years	42.8 years
Average length of service of Contributing Members	9.0 years	10.8 years	9.6 years	8.2 years	5.2 years	13.2 years	4.5 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Kountze	Kress	Krugerville	Krum	Kyle	La Coste	La Feria
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,167,476	\$25,443	\$749,448	\$2,272,052	\$26,675,319	\$357,808	\$3,895,478
b. Noncontributing Members	126,304	7,320	167,874	930,255	2,987,646	5,974	861,479
c. Annuitants	259,544	218,902	87,329	387,187	7,663,389	137,834	4,282,613
2. Total Actuarial Accrued Liability	\$1,553,324	\$251,665	\$1,004,651	\$3,589,494	\$37,326,354	\$501,616	\$9,039,570
3. Actuarial Value of Assets	1,206,130	362,224	1,005,241	3,547,827	32,407,002	547,037	7,219,774
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$347,194	(\$110,559)	(\$590)	\$41,667	\$4,919,352	(\$45,421)	\$1,819,796
5. Funded Ratio: (3) / (2)	77.6%	143.9%	100.1%	98.8%	86.8%	109.1%	79.9%
6. Annual payroll	\$1,109,315	\$34,546	\$720,021	\$3,078,020	\$15,357,752	\$349,408	\$2,367,381
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	4.13%	3.25%	7.45%	6.18%	10.76%	2.06%	8.09%
Prior Service	2.33%	-3.25%	0.00%	0.10%	2.21%	-0.51%	6.99%
Full Retirement	6.46%	0.00%	7.45%	6.28%	12.97%	1.55%	15.08%
Supplemental Death Benefit	0.37%	0.00%	0.22%	0.22%	0.20%	0.00%	0.46%
Combined Contribution	6.83%	0.00%	7.67%	6.50%	13.17%	1.55%	15.54%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	13.50%	13.50%	8.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	19.2 years	N/A	N/A	20.0 years	21.6 years	N/A	14.5 years
Number of Annuitants	5	2	3	13	40	5	35
Number of Active Contributing Members	26	1	9	48	252	7	52
Number of Inactive Members	56	1	7	37	150	3	71
Average age of Contributing Members	48.2 years	43.0 years	46.1 years	42.7 years	39.9 years	51.4 years	45.6 years
Average length of service of Contributing Members	7.9 years	6.7 years	12.7 years	9.0 years	7.9 years	12.4 years	9.5 years

	La Grange	La Grulla	La Joya	La Marque	La Porte	La Vernia	Lacy-Lakeview
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$10,578,565	\$301,387	\$930,496	\$13,555,547	\$85,696,558	\$584,063	\$5,647,063
b. Noncontributing Members	648,035	137,414	220,821	5,969,307	10,495,755	132,449	1,027,961
c. Annuitants	8,114,533	305,018	692,659	17,147,785	97,359,626	219,827	3,733,174
2. Total Actuarial Accrued Liability	\$19,341,133	\$743,819	\$1,843,976	\$36,672,639	\$193,551,939	\$936,339	\$10,408,198
3. Actuarial Value of Assets	17,837,737	1,072,001	1,109,065	30,937,744	175,241,243	789,318	9,223,406
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$1,503,396	(\$328,182)	\$734,911	\$5,734,895	\$18,310,696	\$147,021	\$1,184,792
5. Funded Ratio: (3) / (2)	92.2%	144.1%	60.1%	84.4%	90.5%	84.3%	88.6%
6. Annual payroll	\$3,108,846	\$382,837	\$1,708,413	\$8,855,985	\$27,096,472	\$1,069,530	\$2,371,069
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.44%	8.04%	1.49%	9.45%	9.20%	4.20%	9.72%
Prior Service	4.57%	-3.34%	3.67%	4.50%	6.67%	0.97%	3.37%
Full Retirement	14.01%	4.70%	5.16%	13.95%	15.87%	5.17%	13.09%
Supplemental Death Benefit	0.52%	0.57%	0.38%	0.34%	0.30%	0.28%	0.32%
Combined Contribution	14.53%	5.27%	5.54%	14.29%	16.17%	5.45%	13.41%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	11.50%	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	13.8 years	N/A	15.8 years	22.2 years	13.0 years	20.7 years	22.4 years
Number of Annuitants	45	7	10	107	269	4	28
Number of Active Contributing Members	61	10	51	133	384	22	48
Number of Inactive Members	39	20	61	153	210	15	36
Average age of Contributing Members	48.9 years	48.4 years	43.7 years	40.7 years	42.2 years	42.6 years	41.8 years
Average length of service of Contributing Members	12.5 years	9.7 years	5.9 years	7.3 years	11.7 years	7.8 years	9.2 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Ladonia	Lago Vista	Laguna Vista	Lake Dallas	Lake Jackson	Lake Worth	Lakeport
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$10,437	\$8,546,960	\$463,282	\$1,670,572	\$27,841,462	\$14,070,906	\$151,435
b. Noncontributing Members	30,124	1,962,408	181,804	3,106,886	7,134,859	4,130,628	180,538
c. Annuitants	54,917	3,704,258	258,154	5,909,390	41,182,642	10,874,205	25,762
2. Total Actuarial Accrued Liability	\$95,478	\$14,213,626	\$903,240	\$10,686,848	\$76,158,963	\$29,075,739	\$357,735
3. Actuarial Value of Assets	144,464	13,439,415	1,111,325	10,165,917	72,452,870	23,941,988	523,724
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$48,986)	\$774,211	(\$208,085)	\$520,931	\$3,706,093	\$5,133,751	(\$165,989)
5. Funded Ratio: (3) / (2)	151.3%	94.6%	123.0%	95.1%	95.1%	82.3%	146.4%
6. Annual payroll	\$94,856	\$5,382,999	\$852,626	\$2,178,210	\$13,117,252	\$6,411,784	\$207,834
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	5.18%	6.83%	5.00%	11.53%	7.94%	10.82%	3.20%
Prior Service	-2.01%	1.05%	-0.95%	1.64%	3.24%	5.81%	-3.11%
Full Retirement	3.17%	7.88%	4.05%	13.17%	11.18%	16.63%	0.09%
Supplemental Death Benefit	0.47%	0.40%	0.28%	0.37%	0.41%	0.26%	0.61%
Combined Contribution	3.64%	8.28%	4.33%	13.54%	11.59%	16.89%	0.70%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	12.50%	N/A	13.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	19.8 years	N/A	21.7 years	10.8 years	20.0 years	N/A
Number of Annuitants	4	41	1	45	168	58	1
Number of Active Contributing Members	3	98	18	34	226	102	4
Number of Inactive Members	6	62	13	67	216	76	6
Average age of Contributing Members	29.4 years	48.1 years	49.6 years	42.3 years	41.4 years	41.3 years	52.1 years
Average length of service of Contributing Members	1.5 years	8.8 years	8.2 years	7.4 years	8.8 years	10.7 years	8.8 years

	Lakeside	Lakeside City	Lakeway	Lamesa	Lampasas	Lancaster	Laredo
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,766,936	\$188,326	\$16,960,910	\$4,920,676	\$18,729,269	\$38,993,308	\$420,545,606
b. Noncontributing Members	342,401	47,758	4,549,635	2,202,265	2,305,711	16,550,100	24,184,946
c. Annuitants	258,526	51,502	8,593,648	9,209,627	11,733,379	46,334,310	341,525,561
2. Total Actuarial Accrued Liability	\$2,367,863	\$287,586	\$30,104,193	\$16,332,568	\$32,768,359	\$101,877,718	\$786,256,113
3. Actuarial Value of Assets	2,049,511	279,376	25,498,335	17,594,141	28,138,835	88,218,063	646,590,312
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$318,352	\$8,210	\$4,605,858	(\$1,261,573)	\$4,629,524	\$13,659,655	\$139,665,801
5. Funded Ratio: (3) / (2)	86.6%	97.1%	84.7%	107.7%	85.9%	86.6%	82.2%
6. Annual payroll	\$986,249	\$211,774	\$8,105,515	\$4,107,121	\$6,067,970	\$18,995,018	\$130,231,482
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	8.20%	4.63%	9.85%	5.03%	9.89%	8.70%	10.32%
Prior Service	2.54%	0.57%	3.90%	-1.20%	5.78%	4.97%	10.50%
Full Retirement	10.74%	5.20%	13.75%	3.83%	15.67%	13.67%	20.82%
Supplemental Death Benefit	0.60%	0.58%	0.32%	0.00%	0.37%	0.27%	0.34%
Combined Contribution	11.34%	5.78%	14.07%	3.83%	16.04%	13.94%	21.16%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	15.50%	13.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	17.7 years	8.1 years	21.7 years	N/A	18.7 years	22.1 years	13.2 years
Number of Annuitants	7	3	73	59	69	221	1,207
Number of Active Contributing Members	18	4	118	85	115	259	2,305
Number of Inactive Members	26	2	101	106	61	272	677
Average age of Contributing Members	49.8 years	50.3 years	44.8 years	46.6 years	44.2 years	41.1 years	44.1 years
Average length of service of Contributing Members	16.1 years	12.1 years	9.1 years	5.7 years	11.8 years	8.6 years	10.7 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Lavon	League City	Leander	Lefors	Leon Valley	Leonard	Levelland
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,182,953	\$93,207,295	\$42,434,938	\$79,857	\$14,504,668	\$202,461	\$12,087,755
b. Noncontributing Members	435,160	17,325,993	6,048,033	24,863	6,003,535	278,878	3,460,366
c. Annuitants	330,880	76,209,877	9,706,497	0	31,608,360	450,613	16,393,939
2. Total Actuarial Accrued Liability	\$2,948,993	\$186,743,165	\$58,189,468	\$104,720	\$52,116,563	\$931,952	\$31,942,060
3. Actuarial Value of Assets	1,810,552	163,701,269	50,020,161	102,178	45,593,725	1,074,950	31,833,234
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$1,138,441	\$23,041,896	\$8,169,307	\$2,542	\$6,522,838	(\$142,998)	\$108,826
5. Funded Ratio: (3) / (2)	61.4%	87.7%	86.0%	97.6%	87.5%	115.3%	99.7%
6. Annual payroll	\$1,220,738	\$39,906,731	\$25,426,904	\$149,648	\$7,326,311	\$669,872	\$5,458,174
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	11.47%	9.73%	9.81%	1.90%	11.49%	3.00%	8.83%
Prior Service	6.96%	4.75%	2.20%	0.54%	7.05%	-0.83%	0.14%
Full Retirement	18.43%	14.48%	12.01%	2.44%	18.54%	2.17%	8.97%
Supplemental Death Benefit	0.29%	0.29%	0.21%	0.27%	0.44%	0.47%	0.33%
Combined Contribution	18.72%	14.77%	12.22%	2.71%	18.98%	2.64%	9.30%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	15.50%	13.50%	N/A	N/A	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	19.1 years	16.6 years	21.8 years	3.4 years	17.6 years	N/A	21.8 years
Number of Annuitants	7	280	75	0	122	10	62
Number of Active Contributing Members	20	573	365	6	101	11	96
Number of Inactive Members	17	339	153	16	78	26	44
Average age of Contributing Members	47.5 years	41.7 years	41.5 years	53.2 years	44.7 years	36.7 years	42.5 years
Average length of service of Contributing Members	10.9 years	9.6 years	8.5 years	3.6 years	12.8 years	5.3 years	10.1 years

	Lewisville	Lexington	Liberty	Liberty Hill	Lindale	Linden	Lindsay
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$165,760,843	\$262,202	\$6,981,196	\$1,465,378	\$5,263,979	\$393,701	\$56,669
b. Noncontributing Members	26,839,537	516,951	2,766,778	610,406	948,766	142,542	0
c. Annuitants	183,792,534	1,233,044	9,090,942	286,772	4,470,991	408,036	0
2. Total Actuarial Accrued Liability	\$376,392,914	\$2,012,197	\$18,838,916	\$2,362,556	\$10,683,736	\$944,279	\$56,669
3. Actuarial Value of Assets	333,211,774	1,923,715	15,196,003	2,387,282	8,435,485	1,051,050	48,027
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$43,181,140	\$88,482	\$3,642,913	(\$24,726)	\$2,248,251	(\$106,771)	\$8,642
5. Funded Ratio: (3) / (2)	88.5%	95.6%	80.7%	101.0%	79.0%	111.3%	84.8%
6. Annual payroll	\$61,869,742	\$506,631	\$5,559,851	\$3,679,315	\$2,996,993	\$662,814	\$195,957
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	10.49%	6.59%	5.24%	6.26%	8.65%	1.34%	4.18%
Prior Service	6.28%	1.49%	9.30%	-0.03%	6.41%	-0.63%	0.70%
Full Retirement	16.77%	8.08%	14.54%	6.23%	15.06%	0.71%	4.88%
Supplemental Death Benefit	0.00%	0.00%	0.00%	0.19%	0.00%	0.44%	0.30%
Combined Contribution	16.77%	8.08%	14.54%	6.42%	15.06%	1.15%	5.18%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	7.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	14.7 years	15.9 years	8.6 years	N/A	15.8 years	N/A	7.3 years
Number of Annuitants	531	9	54	5	19	10	0
Number of Active Contributing Members	788	10	100	53	56	19	4
Number of Inactive Members	457	25	146	40	39	12	0
Average age of Contributing Members	40.3 years	41.7 years	41.3 years	41.4 years	43.2 years	42.7 years	51.9 years
Average length of service of Contributing Members	10.9 years	4.1 years	8.3 years	5.6 years	9.2 years	5.6 years	2.6 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Lipan	Little Elm	Littlefield	Live Oak	Liverpool	Livingston	Llano
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$161,121	\$39,998,572	\$4,082,690	\$27,951,711	\$108,371	\$18,570,029	\$3,452,257
b. Noncontributing Members	46,064	7,620,831	2,018,141	5,715,873	32,519	1,546,056	1,828,976
c. Annuitants	34,360	9,943,475	3,587,843	19,586,390	0	12,768,320	4,382,685
2. Total Actuarial Accrued Liability	\$241,545	\$57,562,878	\$9,688,674	\$53,253,974	\$140,890	\$32,884,405	\$9,663,918
3. Actuarial Value of Assets	251,114	49,922,734	9,699,011	46,575,156	142,971	29,733,448	8,336,628
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$9,569)	\$7,640,144	(\$10,337)	\$6,678,818	(\$2,081)	\$3,150,957	\$1,327,290
5. Funded Ratio: (3) / (2)	104.0%	86.7%	100.1%	87.5%	101.5%	90.4%	86.3%
6. Annual payroll	\$201,848	\$22,316,744	\$2,612,632	\$7,832,171	\$245,978	\$4,940,269	\$2,525,093
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	1.51%	10.88%	6.50%	10.75%	1.79%	8.93%	8.00%
Prior Service	-0.18%	2.40%	-0.02%	7.19%	-0.03%	6.04%	4.41%
Full Retirement	1.33%	13.28%	6.48%	17.94%	1.76%	14.97%	12.41%
Supplemental Death Benefit	0.33%	0.19%	0.53%	0.33%	0.35%	0.42%	0.82%
Combined Contribution	1.66%	13.47%	7.01%	18.27%	2.11%	15.39%	13.23%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	11.50%	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	21.0 years	N/A	16.1 years	N/A	13.8 years	16.4 years
Number of Annuitants	1	66	45	87	0	45	44
Number of Active Contributing Members	4	299	61	118	5	85	46
Number of Inactive Members	1	201	62	85	3	20	42
Average age of Contributing Members	47.6 years	40.1 years	44.8 years	44.0 years	46.3 years	45.2 years	47.6 years
Average length of service of Contributing Members	9.6 years	8.6 years	8.9 years	13.8 years	5.2 years	12.0 years	8.5 years

	Lockhart	Lockney	Lone Oak	Lone Star	Longview	Lorraine	Lorena
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$18,565,663	\$154,441	\$170,495	\$619,823	\$89,096,644	\$17,978	\$1,353,894
b. Noncontributing Members	4,517,516	78,012	0	155,252	12,659,282	70,851	429,085
c. Annuitants	17,471,459	209,465	0	887,116	107,049,812	41,274	473,710
2. Total Actuarial Accrued Liability	\$40,554,638	\$441,918	\$170,495	\$1,662,191	\$208,805,738	\$130,103	\$2,256,689
3. Actuarial Value of Assets	35,620,786	939,698	18,923	1,813,510	191,235,146	146,779	2,095,230
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$4,933,852	(\$497,780)	\$151,572	(\$151,319)	\$17,570,592	(\$16,676)	\$161,459
5. Funded Ratio: (3) / (2)	87.8%	212.6%	11.1%	109.1%	91.6%	112.8%	92.8%
6. Annual payroll	\$7,659,249	\$302,274	\$406,710	\$474,895	\$35,989,078	\$101,995	\$732,696
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	7.18%	2.57%	1.96%	3.48%	7.38%	2.87%	8.53%
Prior Service	5.45%	-2.57%	3.31%	-1.24%	4.71%	-0.64%	1.61%
Full Retirement	12.63%	0.00%	5.27%	2.24%	12.09%	2.23%	10.14%
Supplemental Death Benefit	0.40%	0.50%	0.19%	0.54%	0.47%	0.12%	0.39%
Combined Contribution	13.03%	0.50%	5.46%	2.78%	12.56%	2.35%	10.53%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	N/A	7.50%	15.50%	N/A	12.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	16.0 years	N/A	15.0 years	N/A	13.4 years	N/A	19.7 years
Number of Annuitants	88	2	0	10	563	2	11
Number of Active Contributing Members	142	8	10	8	631	3	16
Number of Inactive Members	132	6	0	19	345	6	12
Average age of Contributing Members	42.7 years	44.1 years	48.8 years	47.2 years	43.3 years	36.1 years	49.8 years
Average length of service of Contributing Members	10.2 years	4.5 years	6.6 years	11.9 years	10.4 years	1.6 years	11.9 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021**

	Lorenzo	Los Fresnos	Lott	Lovelady	Lubbock	Lucas	Lufkin
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$100,208	\$3,956,757	\$215,257	\$146,773	\$308,374,572	\$4,036,586	\$44,068,581
b. Noncontributing Members	71,607	698,164	50,529	0	49,657,570	1,122,889	9,594,793
c. Annuitants	<u>262,583</u>	<u>1,289,610</u>	<u>24,493</u>	<u>10,790</u>	<u>459,703,017</u>	<u>1,211,535</u>	<u>61,421,983</u>
2. Total Actuarial Accrued Liability	\$434,398	\$5,944,531	\$290,279	\$157,563	\$817,735,159	\$6,371,010	\$115,085,357
3. Actuarial Value of Assets	<u>671,634</u>	<u>5,324,220</u>	<u>309,437</u>	<u>150,447</u>	<u>721,669,677</u>	<u>5,754,137</u>	<u>101,427,615</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$237,236)	\$620,311	(\$19,158)	\$7,116	\$96,065,482	\$616,873	\$13,657,742
5. Funded Ratio: (3) / (2)	154.6%	89.6%	106.6%	95.5%	88.3%	90.3%	88.1%
6. Annual payroll	\$229,712	\$2,343,143	\$380,896	\$133,080	\$114,567,882	\$2,816,639	\$16,694,016
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	5.32%	4.81%	2.04%	6.11%	10.01%	10.44%	8.62%
Prior Service	<u>-4.02%</u>	<u>1.85%</u>	<u>-0.20%</u>	<u>1.47%</u>	<u>7.00%</u>	<u>1.59%</u>	<u>7.38%</u>
Full Retirement	1.30%	6.66%	1.84%	7.58%	17.01%	12.03%	16.00%
Supplemental Death Benefit	<u>0.00%</u>	<u>0.35%</u>	<u>0.38%</u>	<u>0.33%</u>	<u>0.00%</u>	<u>0.21%</u>	<u>0.49%</u>
Combined Contribution	1.30%	7.01%	2.22%	7.91%	17.01%	12.24%	16.49%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	11.50%	N/A	N/A	N/A	15.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	21.2 years	N/A	4.0 years	16.3 years	19.9 years	14.7 years
Number of Annuitants	6	19	4	1	1,509	23	274
Number of Active Contributing Members	6	60	5	3	1,808	41	313
Number of Inactive Members	6	39	27	0	1,023	25	212
Average age of Contributing Members	42.3 years	41.0 years	56.3 years	43.7 years	43.6 years	39.2 years	43.8 years
Average length of service of Contributing Members	3.6 years	9.8 years	7.6 years	7.7 years	10.1 years	7.6 years	10.0 years

	Luling	Lumberton	Lyford	Lytle	Madisonville	Magnolia	Malakoff
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$6,032,447	\$8,398,217	\$555,951	\$4,546,393	\$2,466,953	\$967,045	\$1,575,924
b. Noncontributing Members	867,538	1,019,062	78,256	63,339	592,353	463,234	395,862
c. Annuitants	<u>4,290,902</u>	<u>3,926,750</u>	<u>62,415</u>	<u>298,628</u>	<u>2,167,307</u>	<u>614,451</u>	<u>748,155</u>
2. Total Actuarial Accrued Liability	\$11,190,887	\$13,344,029	\$696,622	\$4,908,360	\$5,226,613	\$2,044,730	\$2,719,941
3. Actuarial Value of Assets	<u>11,270,492</u>	<u>11,776,017</u>	<u>694,383</u>	<u>4,418,341</u>	<u>4,971,969</u>	<u>2,161,950</u>	<u>3,046,147</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$79,605)	\$1,568,012	\$2,239	\$490,019	\$254,644	(\$117,220)	(\$326,206)
5. Funded Ratio: (3) / (2)	100.7%	88.2%	99.7%	90.0%	95.1%	105.7%	112.0%
6. Annual payroll	\$4,163,293	\$2,658,656	\$465,086	\$1,399,895	\$1,738,813	\$1,779,997	\$1,423,959
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.05%	10.16%	1.35%	6.68%	6.41%	4.82%	6.34%
Prior Service	<u>-0.07%</u>	<u>5.17%</u>	<u>0.04%</u>	<u>2.83%</u>	<u>1.09%</u>	<u>-0.26%</u>	<u>-0.89%</u>
Full Retirement	5.98%	15.33%	1.39%	9.51%	7.50%	4.56%	5.45%
Supplemental Death Benefit	<u>0.53%</u>	<u>0.48%</u>	<u>0.00%</u>	<u>0.40%</u>	<u>0.44%</u>	<u>0.33%</u>	<u>0.36%</u>
Combined Contribution	6.51%	15.81%	1.39%	9.91%	7.94%	4.89%	5.81%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	11.50%	11.50%	12.50%	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	15.3 years	16.1 years	17.1 years	19.2 years	N/A	N/A
Number of Annuitants	42	28	2	5	24	15	13
Number of Active Contributing Members	88	43	13	25	36	36	23
Number of Inactive Members	92	14	23	11	37	44	13
Average age of Contributing Members	45.2 years	47.2 years	47.7 years	47.3 years	42.4 years	41.9 years	50.7 years
Average length of service of Contributing Members	10.1 years	11.3 years	11.6 years	12.2 years	9.2 years	4.7 years	11.0 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Manor	Mansfield	Manvel	Marble Falls	Marfa	Marion	Marlin
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,894,776	\$118,229,801	\$3,664,291	\$14,573,608	\$2,031,173	\$563,506	\$1,789,085
b. Noncontributing Members	913,977	13,134,949	676,347	2,797,074	385,620	114,008	1,448,733
c. Annuitants	<u>1,198,865</u>	<u>87,951,105</u>	<u>1,646,774</u>	<u>15,825,473</u>	<u>1,156,419</u>	<u>388,774</u>	<u>2,852,515</u>
2. Total Actuarial Accrued Liability	\$7,007,618	\$219,315,855	\$5,987,412	\$33,196,155	\$3,573,212	\$1,066,288	\$6,090,333
3. Actuarial Value of Assets	<u>5,819,095</u>	<u>191,339,566</u>	<u>4,804,169</u>	<u>27,492,980</u>	<u>3,957,083</u>	<u>1,309,644</u>	<u>5,812,742</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$1,188,523	\$27,976,289	\$1,183,243	\$5,703,175	(\$383,871)	(\$243,356)	\$277,591
5. Funded Ratio: (3) / (2)	83.0%	87.2%	80.2%	82.8%	110.7%	122.8%	95.4%
6. Annual payroll	\$4,818,011	\$40,637,240	\$4,193,217	\$8,016,773	\$1,924,797	\$472,555	\$2,352,749
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	5.53%	11.61%	5.94%	8.79%	3.65%	6.23%	6.61%
Prior Service	<u>2.63%</u>	<u>5.17%</u>	<u>3.86%</u>	<u>5.29%</u>	<u>-0.78%</u>	<u>-2.00%</u>	<u>0.81%</u>
Full Retirement	8.16%	16.78%	9.80%	14.08%	2.87%	4.23%	7.42%
Supplemental Death Benefit	<u>0.16%</u>	<u>0.24%</u>	<u>0.21%</u>	<u>0.34%</u>	<u>0.64%</u>	<u>1.05%</u>	<u>0.61%</u>
Combined Contribution	8.32%	17.02%	10.01%	14.42%	3.51%	5.28%	8.03%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	13.50%	15.50%	11.50%	11.50%	11.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	11.8 years	19.0 years	8.7 years	20.2 years	N/A	N/A	21.6 years
Number of Annuitants	11	256	15	100	22	7	54
Number of Active Contributing Members	76	474	75	122	40	10	56
Number of Inactive Members	44	210	51	77	33	18	119
Average age of Contributing Members	38.3 years	41.6 years	39.7 years	41.7 years	47.1 years	51.0 years	43.1 years
Average length of service of Contributing Members	8.4 years	12.1 years	6.2 years	9.5 years	6.9 years	11.1 years	5.5 years

	Marquez	Marshall	Mart	Martindale	Mason	Matador	Mathis
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$104,698	\$20,680,786	\$437,841	\$79,868	\$1,042,239	\$81,277	\$1,225,791
b. Noncontributing Members	0	4,500,158	492,790	166,900	233,315	8,744	974,878
c. Annuitants	<u>50,394</u>	<u>39,348,609</u>	<u>462,950</u>	<u>11,959</u>	<u>2,865,243</u>	<u>136,107</u>	<u>1,397,621</u>
2. Total Actuarial Accrued Liability	\$155,092	\$64,529,553	\$1,393,581	\$258,727	\$4,140,797	\$226,128	\$3,598,290
3. Actuarial Value of Assets	<u>71,709</u>	<u>58,225,635</u>	<u>1,894,570</u>	<u>276,952</u>	<u>3,866,379</u>	<u>230,083</u>	<u>4,570,797</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$83,383	\$6,303,918	(\$500,989)	(\$18,225)	\$274,418	(\$3,955)	(\$972,507)
5. Funded Ratio: (3) / (2)	46.2%	90.2%	135.9%	107.0%	93.4%	101.7%	127.0%
6. Annual payroll	\$103,670	\$8,991,624	\$651,663	\$133,747	\$1,363,123	\$122,998	\$2,188,252
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	2.14%	9.91%	5.38%	6.21%	4.30%	2.41%	5.48%
Prior Service	<u>17.56%</u>	<u>5.74%</u>	<u>-2.99%</u>	<u>-0.53%</u>	<u>1.93%</u>	<u>-0.13%</u>	<u>-1.73%</u>
Full Retirement	19.70%	15.65%	2.39%	5.68%	6.23%	2.28%	3.75%
Supplemental Death Benefit	<u>0.46%</u>	<u>0.57%</u>	<u>0.50%</u>	<u>0.46%</u>	<u>0.58%</u>	<u>0.81%</u>	<u>0.46%</u>
Combined Contribution	20.16%	16.22%	2.89%	6.14%	6.81%	3.09%	4.21%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	9.50%	N/A	9.50%	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	5.1 years	17.8 years	N/A	N/A	13.6 years	N/A	N/A
Number of Annuitants	1	201	10	1	23	2	30
Number of Active Contributing Members	2	184	13	2	30	4	48
Number of Inactive Members	0	112	36	8	11	2	109
Average age of Contributing Members	59.3 years	45.7 years	45.1 years	61.4 years	41.9 years	54.6 years	42.0 years
Average length of service of Contributing Members	13.3 years	9.2 years	7.4 years	6.3 years	5.9 years	10.5 years	4.6 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Maud	Maypearl	McAllen	McCamey	McGregor	McKinney	McLean
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$48,700	\$12,716	\$172,184,813	\$2,095,569	\$4,470,614	\$245,072,524	\$331,876
b. Noncontributing Members	183,882	125,784	33,442,928	14,982	1,243,977	42,536,326	115,559
c. Annuitants	0	123,234	124,465,659	208,797	4,471,803	113,454,681	152,325
2. Total Actuarial Accrued Liability	\$232,582	\$261,734	\$330,093,400	\$2,319,348	\$10,186,394	\$401,063,531	\$599,760
3. Actuarial Value of Assets	200,803	303,753	312,859,726	2,440,914	9,148,236	349,135,762	601,410
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$31,779	(\$42,019)	\$17,233,674	(\$121,566)	\$1,038,158	\$51,927,769	(\$1,650)
5. Funded Ratio: (3) / (2)	86.3%	116.1%	94.8%	105.2%	89.8%	87.1%	100.3%
6. Annual payroll	\$216,021	\$293,904	\$80,719,581	\$687,036	\$2,731,422	\$98,149,015	\$284,829
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	2.62%	1.27%	4.56%	2.95%	9.81%	11.46%	2.02%
Prior Service	1.98%	-0.56%	3.26%	-0.69%	2.73%	3.63%	-0.02%
Full Retirement	4.60%	0.71%	7.82%	2.26%	12.54%	15.09%	2.00%
Supplemental Death Benefit	0.43%	0.23%	0.00%	0.26%	0.57%	0.21%	0.51%
Combined Contribution	5.03%	0.94%	7.82%	2.52%	13.11%	15.30%	2.51%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	13.50%	9.50%	13.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	8.9 years	N/A	7.7 years	N/A	20.3 years	21.8 years	N/A
Number of Annuitants	0	3	655	3	42	399	2
Number of Active Contributing Members	6	9	1,621	14	49	1,213	6
Number of Inactive Members	14	17	558	4	47	597	6
Average age of Contributing Members	46.9 years	36.4 years	42.3 years	44.4 years	46.8 years	41.7 years	58.5 years
Average length of service of Contributing Members	6.4 years	0.7 years	10.3 years	11.6 years	10.3 years	11.0 years	11.4 years

	McLendon-Chisholm	Meadow	Meadowlakes	Meadows Place	Melissa	Memorial Villages PD	Memphis
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$121,716	\$103,290	\$732,501	\$3,578,211	\$6,851,397	\$5,126,389	\$1,864,959
b. Noncontributing Members	83,447	3,475	14,877	1,217,865	865,222	1,323,240	58,639
c. Annuitants	73,963	16,146	112,248	4,310,570	2,513,042	9,830,514	1,411,783
2. Total Actuarial Accrued Liability	\$279,126	\$122,911	\$859,626	\$9,106,646	\$10,229,661	\$16,280,143	\$3,335,381
3. Actuarial Value of Assets	311,592	97,533	893,933	8,232,363	7,483,209	13,948,819	3,031,086
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$32,466)	\$25,378	(\$34,307)	\$874,283	\$2,746,452	\$2,331,324	\$304,295
5. Funded Ratio: (3) / (2)	111.6%	79.4%	104.0%	90.4%	73.2%	85.7%	90.9%
6. Annual payroll	\$704,589	\$190,712	\$956,855	\$2,129,819	\$4,195,583	\$3,755,426	\$645,620
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	7.51%	1.85%	2.35%	5.88%	11.73%	6.32%	6.87%
Prior Service	-0.18%	2.42%	-0.14%	4.69%	4.77%	4.21%	3.44%
Full Retirement	7.33%	4.27%	2.21%	10.57%	16.50%	10.53%	10.31%
Supplemental Death Benefit	0.31%	0.31%	0.55%	0.32%	0.22%	0.37%	0.36%
Combined Contribution	7.64%	4.58%	2.76%	10.89%	16.72%	10.90%	10.67%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	13.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	6.3 years	N/A	10.8 years	19.8 years	22.1 years	19.8 years
Number of Annuitants	2	1	2	24	23	43	9
Number of Active Contributing Members	10	6	19	35	65	42	20
Number of Inactive Members	5	11	11	31	47	24	15
Average age of Contributing Members	48.0 years	45.8 years	53.2 years	43.1 years	39.6 years	46.0 years	45.0 years
Average length of service of Contributing Members	4.8 years	5.7 years	5.7 years	9.6 years	8.8 years	13.1 years	11.3 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Menard	Mercedes	Meridian	Merkel	Mertzon	Mesquite	Mexia
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$174,274	\$7,103,409	\$834,600	\$915,091	\$211,490	\$230,442,705	\$8,677,199
b. Noncontributing Members	263,983	2,881,820	44,450	184,437	100,871	33,167,303	3,231,283
c. Annuitants	<u>1,234,290</u>	<u>15,347,077</u>	<u>88,778</u>	<u>957,126</u>	<u>204,293</u>	<u>299,072,001</u>	<u>8,547,951</u>
2. Total Actuarial Accrued Liability	\$1,672,547	\$25,332,306	\$967,828	\$2,056,654	\$516,654	\$562,682,009	\$20,456,433
3. Actuarial Value of Assets	<u>2,058,261</u>	<u>21,814,714</u>	<u>1,095,217</u>	<u>1,798,731</u>	<u>345,408</u>	<u>504,792,971</u>	<u>19,783,386</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$385,714)	\$3,517,592	(\$127,389)	\$257,923	\$171,246	\$57,889,038	\$673,047
5. Funded Ratio: (3) / (2)	123.1%	86.1%	113.2%	87.5%	66.9%	89.7%	96.7%
6. Annual payroll	\$331,101	\$5,639,089	\$506,243	\$581,487	\$214,012	\$85,066,883	\$3,759,868
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	3.90%	10.33%	4.23%	9.46%	4.40%	8.38%	9.82%
Prior Service	<u>-3.90%</u>	<u>5.33%</u>	<u>-0.98%</u>	<u>3.36%</u>	<u>6.17%</u>	<u>9.04%</u>	<u>1.23%</u>
Full Retirement	0.00%	15.66%	3.25%	12.82%	10.57%	17.42%	11.05%
Supplemental Death Benefit	<u>0.00%</u>	<u>0.33%</u>	<u>0.30%</u>	<u>0.29%</u>	<u>0.34%</u>	<u>0.00%</u>	<u>0.46%</u>
Combined Contribution	0.00%	15.99%	3.55%	13.11%	10.91%	17.42%	11.51%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	11.50%	N/A	N/A	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	15.8 years	N/A	18.7 years	18.2 years	9.0 years	22.1 years
Number of Annuitants	6	80	2	8	2	920	66
Number of Active Contributing Members	9	128	9	16	5	1,124	82
Number of Inactive Members	12	138	12	18	9	545	106
Average age of Contributing Members	52.6 years	40.3 years	48.8 years	41.4 years	44.7 years	42.7 years	44.0 years
Average length of service of Contributing Members	6.2 years	6.6 years	11.5 years	5.6 years	7.7 years	11.0 years	9.2 years

	Miami	Midland	Midlothian	Milano	Miles	Milford	Mineola
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$222,897	\$136,797,396	\$38,793,710	\$38,763	\$98,730	\$68,771	\$4,508,930
b. Noncontributing Members	0	27,528,908	7,448,033	0	165,203	245,061	673,357
c. Annuitants	<u>0</u>	<u>212,064,859</u>	<u>22,533,824</u>	<u>0</u>	<u>42,254</u>	<u>532,867</u>	<u>4,212,228</u>
2. Total Actuarial Accrued Liability	\$222,897	\$376,391,163	\$68,775,567	\$38,763	\$306,187	\$846,699	\$9,394,515
3. Actuarial Value of Assets	<u>194,971</u>	<u>332,301,393</u>	<u>58,468,750</u>	<u>35,694</u>	<u>399,928</u>	<u>828,396</u>	<u>8,529,041</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$27,926	\$44,089,770	\$10,306,817	\$3,069	(\$93,741)	\$18,303	\$865,474
5. Funded Ratio: (3) / (2)	87.5%	88.3%	85.0%	92.1%	130.6%	97.8%	90.8%
6. Annual payroll	\$107,994	\$58,416,819	\$19,651,227	\$33,829	\$210,897	\$273,239	\$2,377,011
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	2.52%	8.12%	11.52%	3.34%	2.20%	3.50%	7.28%
Prior Service	<u>7.00%</u>	<u>6.29%</u>	<u>3.58%</u>	<u>4.43%</u>	<u>-1.73%</u>	<u>1.02%</u>	<u>2.82%</u>
Full Retirement	9.52%	14.41%	15.10%	7.77%	0.47%	4.52%	10.10%
Supplemental Death Benefit	<u>0.69%</u>	<u>0.39%</u>	<u>0.24%</u>	<u>0.98%</u>	<u>0.38%</u>	<u>0.51%</u>	<u>0.34%</u>
Combined Contribution	10.21%	14.80%	15.34%	8.75%	0.85%	5.03%	10.44%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	7.50%	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	4.0 years	16.3 years	21.9 years	2.2 years	N/A	8.0 years	18.1 years
Number of Annuitants	0	677	111	0	1	6	39
Number of Active Contributing Members	3	783	277	1	6	6	51
Number of Inactive Members	0	707	154	0	7	13	46
Average age of Contributing Members	65.5 years	40.6 years	41.7 years	72.2 years	48.6 years	36.2 years	40.8 years
Average length of service of Contributing Members	15.4 years	8.8 years	10.6 years	12.3 years	13.9 years	3.0 years	7.7 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Mineral Wells	Mission	Missouri City	Monahans	Mont Belvieu	Montgomery	Moody
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$12,622,794	\$75,676,535	\$52,248,475	\$9,884,131	\$14,661,209	\$1,428,708	\$397,323
b. Noncontributing Members	3,135,677	8,518,548	19,069,588	1,140,561	2,895,627	556,291	47,174
c. Annuitants	<u>22,917,556</u>	<u>35,755,611</u>	<u>57,928,889</u>	<u>5,681,806</u>	<u>12,552,804</u>	<u>546,190</u>	<u>511,697</u>
2. Total Actuarial Accrued Liability	\$38,676,027	\$119,950,694	\$129,246,952	\$16,706,498	\$30,109,640	\$2,531,189	\$956,194
3. Actuarial Value of Assets	<u>37,045,000</u>	<u>110,775,264</u>	<u>123,724,079</u>	<u>15,955,677</u>	<u>26,225,917</u>	<u>2,344,798</u>	<u>922,259</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$1,631,027	\$9,175,430	\$5,522,873	\$750,821	\$3,883,723	\$186,391	\$33,935
5. Funded Ratio: (3) / (2)	95.8%	92.4%	95.7%	95.5%	87.1%	92.6%	96.5%
6. Annual payroll	\$9,828,647	\$35,879,216	\$26,593,802	\$4,500,885	\$12,385,738	\$1,968,122	\$527,008
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.32%	6.72%	5.29%	5.32%	11.39%	9.32%	1.36%
Prior Service	<u>1.63%</u>	<u>1.81%</u>	<u>3.70%</u>	<u>1.36%</u>	<u>2.15%</u>	<u>0.72%</u>	<u>0.68%</u>
Full Retirement	7.95%	8.53%	8.99%	6.68%	13.54%	10.04%	2.04%
Supplemental Death Benefit	<u>0.49%</u>	<u>0.28%</u>	<u>0.26%</u>	<u>0.38%</u>	<u>0.23%</u>	<u>0.26%</u>	<u>0.42%</u>
Combined Contribution	8.44%	8.81%	9.25%	7.06%	13.77%	10.30%	2.46%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	12.50%	15.50%	N/A	N/A	13.50%	7.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	13.1 years	20.7 years	6.4 years	16.9 years	21.8 years	18.6 years	12.0 years
Number of Annuitants	133	239	219	26	35	12	5
Number of Active Contributing Members	182	712	355	65	182	30	11
Number of Inactive Members	137	412	230	44	61	23	13
Average age of Contributing Members	42.2 years	42.6 years	41.8 years	42.8 years	41.0 years	42.3 years	46.4 years
Average length of service of Contributing Members	7.6 years	10.6 years	10.1 years	11.1 years	6.1 years	8.5 years	9.5 years

	Morgan's Point	Morgan's Point Resort	Morton	Moulton	Mount Enterprise	Mt. Pleasant	Mt. Vernon
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,243,680	\$2,673,344	\$1,028,268	\$641,765	\$20,685	\$25,222,000	\$2,328,958
b. Noncontributing Members	603,871	699,926	291,005	705,336	89,665	8,148,093	945,810
c. Annuitants	<u>2,605,527</u>	<u>1,773,802</u>	<u>1,238,862</u>	<u>1,152,333</u>	<u>123,116</u>	<u>16,949,426</u>	<u>1,006,453</u>
2. Total Actuarial Accrued Liability	\$5,453,078	\$5,147,072	\$2,558,135	\$2,499,434	\$233,466	\$50,319,519	\$4,281,221
3. Actuarial Value of Assets	<u>5,324,939</u>	<u>4,639,302</u>	<u>2,887,667</u>	<u>2,568,357</u>	<u>236,393</u>	<u>43,408,784</u>	<u>4,325,610</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$128,139	\$507,770	(\$329,532)	(\$68,923)	(\$2,927)	\$6,910,735	(\$44,389)
5. Funded Ratio: (3) / (2)	97.7%	90.1%	112.9%	102.8%	101.3%	86.3%	101.0%
6. Annual payroll	\$994,768	\$1,454,675	\$346,444	\$484,963	\$105,471	\$9,889,686	\$1,003,233
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	8.86%	9.65%	6.44%	4.67%	3.32%	9.90%	9.04%
Prior Service	<u>1.21%</u>	<u>2.40%</u>	<u>-3.70%</u>	<u>-0.55%</u>	<u>-0.11%</u>	<u>5.31%</u>	<u>-0.17%</u>
Full Retirement	10.07%	12.05%	2.74%	4.12%	3.21%	15.21%	8.87%
Supplemental Death Benefit	<u>0.20%</u>	<u>0.38%</u>	<u>0.22%</u>	<u>0.47%</u>	<u>0.33%</u>	<u>0.35%</u>	<u>0.40%</u>
Combined Contribution	10.27%	12.43%	2.96%	4.59%	3.54%	15.56%	9.27%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	13.50%	N/A	N/A	N/A	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	15.0 years	21.7 years	N/A	N/A	N/A	18.6 years	N/A
Number of Annuitants	19	28	5	14	1	108	14
Number of Active Contributing Members	13	30	9	10	2	166	22
Number of Inactive Members	3	18	4	19	3	94	20
Average age of Contributing Members	43.0 years	41.9 years	44.9 years	46.1 years	50.8 years	42.4 years	45.5 years
Average length of service of Contributing Members	13.6 years	7.8 years	12.3 years	7.8 years	2.3 years	10.1 years	9.6 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Muenster	Muleshoe	Munday	Murphy	Nacogdoches	Naples	Nash
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$460,521	\$4,948,857	\$201,044	\$14,173,653	\$53,291,234	\$155,288	\$3,138,076
b. Noncontributing Members	318,809	909,496	55,107	7,505,760	5,283,285	37,048	203,513
c. Annuitants	904,746	6,392,751	188,909	8,778,066	59,632,335	295,089	1,170,244
2. Total Actuarial Accrued Liability	\$1,684,076	\$12,251,104	\$445,060	\$30,457,479	\$118,206,854	\$487,425	\$4,511,833
3. Actuarial Value of Assets	2,072,760	10,129,350	376,737	27,160,933	105,520,809	633,695	3,218,576
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$388,684)	\$2,121,754	\$68,323	\$3,296,546	\$12,686,045	(\$146,270)	\$1,293,257
5. Funded Ratio: (3) / (2)	123.1%	82.7%	84.6%	89.2%	89.3%	130.0%	71.3%
6. Annual payroll	\$599,220	\$1,570,422	\$277,640	\$8,413,758	\$18,102,384	\$301,502	\$1,139,834
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	4.43%	9.47%	1.74%	11.29%	8.60%	2.83%	10.27%
Prior Service	-2.53%	11.33%	2.03%	2.69%	5.70%	-1.89%	8.87%
Full Retirement	1.90%	20.80%	3.77%	13.98%	14.30%	0.94%	19.14%
Supplemental Death Benefit	0.00%	0.53%	0.54%	0.27%	0.39%	0.57%	0.38%
Combined Contribution	1.90%	21.33%	4.31%	14.25%	14.69%	1.51%	19.52%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	15.50%	N/A	9.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	16.4 years	16.5 years	21.7 years	16.9 years	N/A	17.9 years
Number of Annuitants	13	32	4	62	253	7	12
Number of Active Contributing Members	13	34	7	112	302	6	21
Number of Inactive Members	7	25	7	136	147	14	11
Average age of Contributing Members	44.7 years	46.5 years	52.3 years	41.8 years	43.0 years	42.2 years	43.3 years
Average length of service of Contributing Members	9.3 years	10.6 years	9.4 years	11.1 years	12.5 years	7.9 years	11.1 years

	Nassau Bay	Natalia	Navasota	Nederland	Needville	New Boston	New Braunfels
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$6,771,453	\$190,384	\$6,383,530	\$30,243,701	\$2,293,294	\$1,616,812	\$126,243,155
b. Noncontributing Members	1,744,479	160,207	1,834,224	3,649,829	319,711	706,323	15,808,142
c. Annuitants	3,800,995	100,670	6,543,283	30,008,992	877,189	1,699,373	78,620,195
2. Total Actuarial Accrued Liability	\$12,316,927	\$451,261	\$14,761,037	\$63,902,522	\$3,490,194	\$4,022,508	\$220,671,492
3. Actuarial Value of Assets	11,344,307	430,499	15,015,300	66,235,751	3,469,905	4,779,061	178,498,090
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$972,620	\$20,762	(\$254,263)	(\$2,333,229)	\$20,289	(\$756,553)	\$42,173,402
5. Funded Ratio: (3) / (2)	92.1%	95.4%	101.7%	103.7%	99.4%	118.8%	80.9%
6. Annual payroll	\$3,141,316	\$468,626	\$3,983,876	\$9,736,740	\$1,079,727	\$1,644,848	\$47,561,479
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	8.00%	1.65%	6.19%	8.10%	3.43%	2.92%	11.09%
Prior Service	2.16%	0.46%	-0.25%	-0.93%	0.16%	-1.79%	6.08%
Full Retirement	10.16%	2.11%	5.94%	7.17%	3.59%	1.13%	17.17%
Supplemental Death Benefit	0.33%	0.32%	0.37%	0.00%	0.77%	0.49%	0.26%
Combined Contribution	10.49%	2.43%	6.31%	7.17%	4.36%	1.62%	17.43%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	11.50%	N/A	9.50%	7.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	22.1 years	12.3 years	N/A	N/A	16.3 years	N/A	21.8 years
Number of Annuitants	33	4	49	110	11	19	317
Number of Active Contributing Members	45	12	82	122	20	39	674
Number of Inactive Members	38	21	64	32	12	44	366
Average age of Contributing Members	45.3 years	44.7 years	43.1 years	44.2 years	53.5 years	45.6 years	41.3 years
Average length of service of Contributing Members	14.4 years	4.3 years	8.0 years	14.7 years	12.2 years	9.7 years	10.2 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	New Braunfels Utilities	New Deal	New Fairview	New London	New Summerfield	New Waverly	Newark
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$58,515,825	\$54,614	\$25,542	\$727,722	\$495,093	\$718,307	\$71,239
b. Noncontributing Members	6,013,682	45,238	130,166	302,441	136,324	0	3,671
c. Annuitants	53,219,395	283,959	14,716	273,044	150,346	259,710	30,261
2. Total Actuarial Accrued Liability	\$117,748,902	\$383,811	\$170,424	\$1,303,207	\$781,763	\$978,017	\$105,171
3. Actuarial Value of Assets	97,228,289	455,177	200,365	1,371,982	789,530	855,659	111,262
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$20,520,613	(\$71,366)	(\$29,941)	(\$68,775)	(\$7,767)	\$122,358	(\$6,091)
5. Funded Ratio: (3) / (2)	82.6%	118.6%	117.6%	105.3%	101.0%	87.5%	105.8%
6. Annual payroll	\$25,127,824	\$219,556	\$231,197	\$277,972	\$474,719	\$283,007	\$280,393
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	10.55%	1.63%	6.62%	3.87%	7.83%	6.88%	1.26%
Prior Service	7.55%	-1.27%	-0.50%	-0.96%	-0.06%	7.84%	-0.08%
Full Retirement	18.10%	0.36%	6.12%	2.91%	7.77%	14.72%	1.18%
Supplemental Death Benefit	0.25%	0.00%	0.26%	0.00%	0.00%	0.62%	0.09%
Combined Contribution	18.35%	0.36%	6.38%	2.91%	7.77%	15.34%	1.27%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	N/A	7.50%	13.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	14.2 years	N/A	N/A	N/A	N/A	6.4 years	N/A
Number of Annuitants	144	4	1	5	6	3	1
Number of Active Contributing Members	342	4	3	5	11	5	5
Number of Inactive Members	92	6	1	6	7	0	5
Average age of Contributing Members	41.4 years	43.8 years	40.0 years	52.4 years	43.1 years	55.6 years	35.1 years
Average length of service of Contributing Members	8.5 years	3.1 years	1.2 years	18.7 years	6.7 years	18.0 years	4.7 years

	Newton	Nixon	Nocona	Nolanville	Normangee	North Richland Hills	Northlake
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,698,148	\$631,301	\$2,089,750	\$267,677	\$111,996	\$121,196,112	\$4,123,930
b. Noncontributing Members	135,363	157,987	301,943	136,210	43,894	26,362,690	894,183
c. Annuitants	2,948,936	207,053	1,169,673	41,855	124,470	154,695,894	485,405
2. Total Actuarial Accrued Liability	\$7,782,447	\$996,341	\$3,561,366	\$445,742	\$280,360	\$302,254,696	\$5,503,518
3. Actuarial Value of Assets	6,545,577	1,139,913	3,198,469	378,969	367,652	274,491,479	4,977,378
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$1,236,870	(\$143,572)	\$362,897	\$66,773	(\$87,292)	\$27,763,217	\$526,140
5. Funded Ratio: (3) / (2)	84.1%	114.4%	89.8%	85.0%	131.1%	90.8%	90.4%
6. Annual payroll	\$1,362,669	\$927,159	\$876,620	\$928,922	\$302,243	\$39,509,580	\$3,687,855
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	11.01%	1.17%	6.82%	4.37%	5.06%	11.37%	8.48%
Prior Service	8.02%	-0.60%	3.62%	0.55%	-1.12%	5.82%	1.03%
Full Retirement	19.03%	0.57%	10.44%	4.92%	3.94%	17.19%	9.51%
Supplemental Death Benefit	0.47%	0.34%	0.65%	0.16%	0.60%	0.00%	0.17%
Combined Contribution	19.50%	0.91%	11.09%	5.08%	4.54%	17.19%	9.68%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	11.50%	N/A	11.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	15.1 years	N/A	16.8 years	18.6 years	N/A	16.5 years	20.1 years
Number of Annuitants	12	8	20	3	2	442	4
Number of Active Contributing Members	23	23	19	22	6	544	60
Number of Inactive Members	13	41	14	19	7	352	35
Average age of Contributing Members	46.9 years	40.6 years	53.9 years	38.7 years	50.4 years	42.9 years	37.6 years
Average length of service of Contributing Members	12.8 years	6.4 years	11.2 years	2.9 years	3.6 years	12.5 years	7.3 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	O'Donnell	Oak Point	Oak Ridge North	Odem	Odessa	Oglesby	Old River-Winfree
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$26,966	\$1,975,469	\$8,340,639	\$539,367	\$113,244,998	\$24,457	\$59,714
b. Noncontributing Members	82,626	1,178,842	799,028	37,035	23,152,292	0	6,449
c. Annuitants	160,914	787,759	3,856,471	639,926	166,054,159	65,100	0
2. Total Actuarial Accrued Liability	\$270,506	\$3,942,070	\$12,996,138	\$1,216,328	\$302,451,449	\$89,557	\$66,163
3. Actuarial Value of Assets	255,073	3,726,868	11,859,859	1,113,793	271,399,844	87,064	94,595
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$15,433	\$215,202	\$1,136,279	\$102,535	\$31,051,605	\$2,493	(\$28,432)
5. Funded Ratio: (3) / (2)	94.3%	94.5%	91.3%	91.6%	89.7%	97.2%	143.0%
6. Annual payroll	\$145,910	\$2,347,817	\$2,656,166	\$796,067	\$46,641,368	\$61,134	\$38,810
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	1.46%	6.13%	8.73%	5.28%	8.27%	1.10%	2.35%
Prior Service	3.01%	0.75%	2.95%	1.14%	5.39%	0.79%	-2.35%
Full Retirement	4.47%	6.88%	11.68%	6.42%	13.66%	1.89%	0.00%
Supplemental Death Benefit	0.36%	0.21%	0.32%	0.58%	0.41%	0.54%	0.00%
Combined Contribution	4.83%	7.09%	12.00%	7.00%	14.07%	2.43%	0.00%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	7.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	3.9 years	16.6 years	21.5 years	15.1 years	17.0 years	5.8 years	N/A
Number of Annuitants	3	11	15	10	592	2	0
Number of Active Contributing Members	4	34	40	20	715	2	1
Number of Inactive Members	4	49	30	16	527	0	1
Average age of Contributing Members	41.8 years	38.6 years	45.2 years	47.3 years	43.2 years	40.0 years	60.2 years
Average length of service of Contributing Members	2.5 years	7.0 years	12.4 years	7.2 years	9.0 years	6.3 years	15.6 years

	Olmos Park	Olney	Omaha	Onalaska	Orange	Orange Grove	Orchard
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,799,733	\$777,599	\$149,199	\$259,909	\$35,593,967	\$674,203	\$31,071
b. Noncontributing Members	1,645,997	453,685	49,887	68,019	5,228,041	91,299	0
c. Annuitants	2,742,615	447,174	187,958	24,586	43,153,188	622,487	0
2. Total Actuarial Accrued Liability	\$6,188,345	\$1,678,458	\$387,044	\$352,514	\$83,975,196	\$1,387,989	\$31,071
3. Actuarial Value of Assets	6,795,072	1,650,346	326,981	491,506	77,612,083	1,522,448	1,867
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$606,727)	\$28,112	\$60,063	(\$138,992)	\$6,363,113	(\$134,459)	\$29,204
5. Funded Ratio: (3) / (2)	109.8%	98.3%	84.5%	139.4%	92.4%	109.7%	6.0%
6. Annual payroll	\$2,107,267	\$975,022	\$230,264	\$658,428	\$10,319,953	\$377,917	\$67,416
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	3.48%	5.94%	1.86%	3.04%	9.99%	8.66%	1.65%
Prior Service	-1.12%	0.23%	3.31%	-0.82%	4.89%	-1.38%	7.15%
Full Retirement	2.36%	6.17%	5.17%	2.22%	14.88%	7.28%	8.80%
Supplemental Death Benefit	0.00%	0.34%	0.36%	0.18%	0.00%	0.42%	0.24%
Combined Contribution	2.36%	6.51%	5.53%	2.40%	14.88%	7.70%	9.04%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	9.50%	N/A	12.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	19.8 years	9.5 years	N/A	17.6 years	N/A	7.0 years
Number of Annuitants	39	12	3	4	151	6	0
Number of Active Contributing Members	38	22	6	17	156	7	2
Number of Inactive Members	70	22	3	20	54	14	0
Average age of Contributing Members	39.5 years	46.8 years	51.3 years	42.2 years	44.5 years	47.8 years	52.7 years
Average length of service of Contributing Members	8.4 years	6.2 years	7.7 years	3.2 years	12.7 years	11.5 years	13.4 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Ore City	Overton	Ovilla	Oyster Creek	Paducah	Palacios	Palestine
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$87,484	\$216,508	\$2,555,566	\$575,982	\$51,820	\$2,454,748	\$16,204,194
b. Noncontributing Members	187,007	869,464	1,076,388	564,501	105,409	1,952,014	6,628,093
c. Annuitants	<u>170,679</u>	<u>524,753</u>	<u>972,260</u>	<u>2,760,363</u>	<u>986,450</u>	<u>3,408,839</u>	<u>29,885,887</u>
2. Total Actuarial Accrued Liability	\$445,170	\$1,610,725	\$4,604,214	\$3,900,846	\$1,143,679	\$7,815,601	\$52,718,174
3. Actuarial Value of Assets	<u>488,855</u>	<u>1,976,584</u>	<u>4,093,599</u>	<u>3,692,052</u>	<u>1,509,909</u>	<u>6,494,888</u>	<u>44,450,291</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$43,685)	(\$365,859)	\$510,615	\$208,794	(\$366,230)	\$1,320,713	\$8,267,883
5. Funded Ratio: (3) / (2)	109.8%	122.7%	88.9%	94.6%	132.0%	83.1%	84.3%
6. Annual payroll	\$383,813	\$746,258	\$1,728,887	\$1,188,153	\$263,349	\$1,743,929	\$9,389,302
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	1.58%	5.89%	8.43%	8.53%	4.78%	10.70%	7.74%
Prior Service	<u>-0.44%</u>	<u>-1.91%</u>	<u>2.12%</u>	<u>1.28%</u>	<u>-4.78%</u>	<u>5.99%</u>	<u>6.01%</u>
Full Retirement	1.14%	3.98%	10.55%	9.81%	0.00%	16.69%	13.75%
Supplemental Death Benefit	<u>0.22%</u>	<u>0.48%</u>	<u>0.28%</u>	<u>0.35%</u>	<u>0.63%</u>	<u>0.44%</u>	<u>0.43%</u>
Combined Contribution	1.36%	4.46%	10.83%	10.16%	0.63%	17.13%	14.18%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	12.50%	13.50%	13.50%	9.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	N/A	20.3 years	19.9 years	N/A	17.6 years	21.9 years
Number of Annuitants	4	14	17	25	13	27	174
Number of Active Contributing Members	9	15	33	22	9	33	173
Number of Inactive Members	10	37	38	20	10	45	183
Average age of Contributing Members	45.1 years	47.7 years	41.7 years	40.6 years	52.6 years	43.1 years	41.3 years
Average length of service of Contributing Members	3.0 years	6.6 years	10.1 years	3.2 years	1.7 years	7.8 years	8.1 years

	Palmer	Palmhurst	Palmview	Pampa	Panhandle	Panorama Village	Pantego
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,988,382	\$1,127,181	\$1,375,829	\$18,166,723	\$1,885,181	\$751,796	\$3,042,063
b. Noncontributing Members	750,546	200,756	720,845	3,539,162	534,997	162,737	5,040,931
c. Annuitants	<u>398,021</u>	<u>98,766</u>	<u>442,263</u>	<u>28,892,045</u>	<u>1,578,328</u>	<u>1,303,382</u>	<u>9,755,635</u>
2. Total Actuarial Accrued Liability	\$3,136,949	\$1,426,703	\$2,538,937	\$50,597,930	\$3,998,506	\$2,217,915	\$17,838,629
3. Actuarial Value of Assets	<u>2,812,362</u>	<u>1,389,849</u>	<u>2,277,234</u>	<u>40,597,294</u>	<u>3,524,541</u>	<u>2,450,195</u>	<u>16,295,513</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$324,587	\$36,854	\$261,703	\$10,000,636	\$473,965	(\$232,280)	\$1,543,116
5. Funded Ratio: (3) / (2)	89.7%	97.4%	89.7%	80.2%	88.1%	110.5%	91.3%
6. Annual payroll	\$1,252,873	\$1,331,685	\$3,579,619	\$8,577,388	\$881,434	\$823,923	\$2,916,036
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.08%	5.10%	1.10%	9.42%	6.62%	4.91%	11.44%
Prior Service	<u>1.80%</u>	<u>0.20%</u>	<u>0.56%</u>	<u>10.25%</u>	<u>3.94%</u>	<u>-1.10%</u>	<u>3.57%</u>
Full Retirement	10.88%	5.30%	1.66%	19.67%	10.56%	3.81%	15.01%
Supplemental Death Benefit	<u>0.17%</u>	<u>0.18%</u>	<u>0.15%</u>	<u>0.44%</u>	<u>0.00%</u>	<u>0.55%</u>	<u>0.35%</u>
Combined Contribution	11.05%	5.48%	1.81%	20.11%	10.56%	4.36%	15.36%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	N/A	N/A	N/A	12.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	21.3 years	20.6 years	18.6 years	15.2 years	19.9 years	N/A	22.3 years
Number of Annuitants	6	6	5	150	14	16	63
Number of Active Contributing Members	23	31	84	159	17	14	45
Number of Inactive Members	36	37	60	93	13	14	94
Average age of Contributing Members	41.1 years	36.7 years	37.2 years	40.9 years	43.0 years	40.9 years	45.5 years
Average length of service of Contributing Members	5.7 years	6.1 years	5.3 years	7.9 years	9.8 years	6.3 years	12.4 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021**

	Paris	Parker	Pasadena	Pearland	Pearsall	Pecos City	Pelican Bay
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$28,264,505	\$2,301,445	\$252,326,083	\$121,115,478	\$2,170,410	\$9,624,620	\$287,905
b. Noncontributing Members	6,839,047	800,842	36,780,909	25,420,068	1,958,598	2,301,786	75,191
c. Annuitants	34,094,991	1,811,076	240,848,925	63,041,852	3,293,269	8,053,715	0
2. Total Actuarial Accrued Liability	\$69,198,543	\$4,913,363	\$529,955,917	\$209,577,398	\$7,422,277	\$19,980,121	\$363,096
3. Actuarial Value of Assets	69,327,497	3,893,592	503,625,153	182,677,168	7,327,774	19,553,975	232,526
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$128,954)	\$1,019,771	\$26,330,764	\$26,900,230	\$94,503	\$426,146	\$130,570
5. Funded Ratio: (3) / (2)	100.2%	79.2%	95.0%	87.2%	98.7%	97.9%	64.0%
6. Annual payroll	\$12,471,818	\$1,796,670	\$74,207,195	\$58,688,986	\$2,965,007	\$8,261,200	\$637,414
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	4.63%	8.54%	9.49%	9.91%	3.25%	5.79%	1.32%
Prior Service	-0.04%	4.84%	3.32%	3.14%	0.23%	0.35%	2.03%
Full Retirement	4.59%	13.38%	12.81%	13.05%	3.48%	6.14%	3.35%
Supplemental Death Benefit	0.51%	0.28%	0.44%	0.20%	0.30%	0.37%	0.16%
Combined Contribution	5.10%	13.66%	13.25%	13.25%	3.78%	6.51%	3.51%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	15.50%	8.50%	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	15.9 years	14.0 years	21.8 years	20.3 years	22.6 years	13.0 years
Number of Annuitants	244	14	817	301	29	80	0
Number of Active Contributing Members	233	26	1,005	779	73	148	16
Number of Inactive Members	167	16	368	388	75	131	15
Average age of Contributing Members	44.8 years	45.0 years	44.2 years	40.3 years	40.3 years	42.6 years	41.9 years
Average length of service of Contributing Members	11.4 years	11.7 years	12.8 years	9.0 years	6.5 years	6.3 years	4.5 years

	Penitas	Perryton	Pflugerville	Pharr	Pilot Point	Pinehurst	Pineland
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$797,064	\$14,699,668	\$38,792,126	\$68,004,243	\$3,323,534	\$2,310,633	\$417,900
b. Noncontributing Members	235,919	1,326,056	13,556,432	9,874,201	1,377,473	802,136	73,319
c. Annuitants	20,795	10,650,955	34,907,267	40,556,411	2,062,643	4,240,892	1,716,045
2. Total Actuarial Accrued Liability	\$1,053,778	\$26,676,679	\$87,255,825	\$118,434,855	\$6,763,650	\$7,353,661	\$2,207,264
3. Actuarial Value of Assets	936,563	25,993,881	74,079,594	96,321,076	6,080,691	5,950,159	2,437,300
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$117,215	\$682,798	\$13,176,231	\$22,113,779	\$682,959	\$1,403,502	(\$230,036)
5. Funded Ratio: (3) / (2)	88.9%	97.4%	84.9%	81.3%	89.9%	80.9%	110.4%
6. Annual payroll	\$1,728,081	\$4,019,969	\$23,212,421	\$38,218,632	\$3,310,038	\$1,232,278	\$369,364
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	3.37%	8.03%	9.97%	7.47%	9.09%	9.57%	5.64%
Prior Service	0.49%	1.76%	3.90%	4.63%	1.41%	7.84%	-2.42%
Full Retirement	3.86%	9.79%	13.87%	12.10%	10.50%	17.41%	3.22%
Supplemental Death Benefit	0.16%	0.52%	0.23%	0.22%	0.25%	0.60%	0.55%
Combined Contribution	4.02%	10.31%	14.10%	12.32%	10.75%	18.01%	3.77%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	12.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	20.1 years	12.2 years	21.7 years	17.3 years	22.0 years	21.9 years	N/A
Number of Annuitants	2	46	135	268	27	32	8
Number of Active Contributing Members	39	74	359	750	64	21	10
Number of Inactive Members	44	59	267	254	62	15	10
Average age of Contributing Members	41.0 years	44.6 years	41.1 years	39.1 years	42.0 years	45.8 years	41.3 years
Average length of service of Contributing Members	5.4 years	11.3 years	7.7 years	7.8 years	7.6 years	8.1 years	8.0 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Piney Point Village	Pittsburg	Plains	Plainview	Plano	Pleasanton	Point
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$335,123	\$4,239,981	\$1,291,146	\$13,795,769	\$603,186,914	\$12,300,920	\$171,898
b. Noncontributing Members	93,278	482,655	14,590	5,337,225	74,713,547	2,849,118	310,921
c. Annuitants	<u>438,878</u>	<u>4,684,965</u>	<u>896,886</u>	<u>27,435,809</u>	<u>588,764,821</u>	<u>9,934,162</u>	<u>165,655</u>
2. Total Actuarial Accrued Liability	\$867,279	\$9,407,601	\$2,202,622	\$46,568,803	\$1,266,665,282	\$25,084,200	\$648,474
3. Actuarial Value of Assets	<u>853,649</u>	<u>9,152,964</u>	<u>2,310,023</u>	<u>45,335,211</u>	<u>1,173,571,295</u>	<u>19,977,373</u>	<u>702,691</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$13,630	\$254,637	(\$107,401)	\$1,233,592	\$93,093,987	\$5,106,827	(\$54,217)
5. Funded Ratio: (3) / (2)	98.4%	97.3%	104.9%	97.4%	92.7%	79.6%	108.4%
6. Annual payroll	\$561,626	\$1,718,729	\$437,536	\$6,546,363	\$184,585,661	\$6,264,258	\$271,816
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	5.08%	9.00%	4.93%	9.57%	11.55%	9.17%	10.18%
Prior Service	<u>0.36%</u>	<u>1.22%</u>	<u>-0.96%</u>	<u>1.61%</u>	<u>5.05%</u>	<u>5.84%</u>	<u>-0.78%</u>
Full Retirement	5.44%	10.22%	3.97%	11.18%	16.60%	15.01%	9.40%
Supplemental Death Benefit	<u>0.37%</u>	<u>0.46%</u>	<u>0.33%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>0.26%</u>	<u>0.00%</u>
Combined Contribution	5.81%	10.68%	4.30%	11.18%	16.60%	15.27%	9.40%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	7.9 years	16.7 years	N/A	16.2 years	12.8 years	20.4 years	N/A
Number of Annuitants	8	22	8	129	1,525	56	4
Number of Active Contributing Members	6	33	10	127	2,358	109	7
Number of Inactive Members	6	25	3	84	1,230	86	25
Average age of Contributing Members	46.4 years	42.4 years	40.4 years	45.1 years	43.8 years	41.4 years	39.2 years
Average length of service of Contributing Members	10.7 years	9.2 years	9.3 years	10.0 years	12.6 years	8.0 years	3.9 years

	Ponder	Port Aransas	Port Arthur	Port Isabel	Port Lavaca	Port Neches	Portland
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,248,629	\$12,151,453	\$97,508,864	\$4,536,921	\$4,667,824	\$27,242,832	\$20,801,032
b. Noncontributing Members	112,057	1,293,208	13,082,184	1,331,019	2,265,277	1,696,755	2,665,548
c. Annuitants	<u>59,259</u>	<u>6,971,971</u>	<u>120,675,318</u>	<u>2,001,461</u>	<u>5,992,391</u>	<u>27,222,864</u>	<u>14,083,346</u>
2. Total Actuarial Accrued Liability	\$1,419,945	\$20,416,632	\$231,266,366	\$7,869,401	\$12,925,492	\$56,162,451	\$37,549,926
3. Actuarial Value of Assets	<u>1,352,867</u>	<u>17,632,258</u>	<u>203,883,406</u>	<u>6,743,897</u>	<u>12,413,219</u>	<u>51,188,126</u>	<u>29,141,140</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$67,078	\$2,784,374	\$27,382,960	\$1,125,504	\$512,273	\$4,974,325	\$8,408,786
5. Funded Ratio: (3) / (2)	95.3%	86.4%	88.2%	85.7%	96.0%	91.1%	77.6%
6. Annual payroll	\$920,333	\$7,040,180	\$41,893,646	\$2,366,762	\$4,399,084	\$7,879,238	\$9,301,387
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	5.06%	8.25%	7.26%	5.86%	4.66%	9.22%	10.60%
Prior Service	<u>0.68%</u>	<u>2.69%</u>	<u>6.60%</u>	<u>3.51%</u>	<u>0.79%</u>	<u>5.20%</u>	<u>7.03%</u>
Full Retirement	5.74%	10.94%	13.86%	9.37%	5.45%	14.42%	17.63%
Supplemental Death Benefit	<u>0.82%</u>	<u>0.36%</u>	<u>0.46%</u>	<u>0.39%</u>	<u>0.40%</u>	<u>0.00%</u>	<u>0.34%</u>
Combined Contribution	6.56%	11.30%	14.32%	9.76%	5.85%	14.42%	17.97%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	12.50%	N/A	11.50%	9.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	14.0 years	22.1 years	12.6 years	19.5 years	22.0 years	16.6 years	18.0 years
Number of Annuitants	4	65	525	36	69	89	87
Number of Active Contributing Members	16	122	581	61	90	95	153
Number of Inactive Members	8	64	179	76	137	25	111
Average age of Contributing Members	56.2 years	46.3 years	47.5 years	43.4 years	40.8 years	43.5 years	41.5 years
Average length of service of Contributing Members	9.9 years	8.4 years	12.1 years	8.9 years	6.7 years	15.5 years	9.4 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Post	Poteet	Poth	Pottsboro	Prairie View	Premont	Presidio
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,398,459	\$653,585	\$707,721	\$1,420,247	\$374,590	\$63,405	\$980,499
b. Noncontributing Members	259,260	201,584	45,622	349,761	57,054	200,751	782,508
c. Annuitants	<u>1,362,332</u>	<u>632,046</u>	<u>164,033</u>	<u>320,621</u>	<u>108,411</u>	<u>369,561</u>	<u>250,987</u>
2. Total Actuarial Accrued Liability	\$3,020,051	\$1,487,215	\$917,376	\$2,090,629	\$540,055	\$633,717	\$2,013,994
3. Actuarial Value of Assets	<u>2,134,791</u>	<u>1,881,029</u>	<u>799,490</u>	<u>2,043,775</u>	<u>417,122</u>	<u>1,089,325</u>	<u>2,284,629</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$885,260	(\$393,814)	\$117,886	\$46,854	\$122,933	(\$455,608)	(\$270,635)
5. Funded Ratio: (3) / (2)	70.7%	126.5%	87.1%	97.8%	77.2%	171.9%	113.4%
6. Annual payroll	\$984,559	\$957,618	\$475,886	\$1,051,209	\$1,031,629	\$531,689	\$1,784,269
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.28%	3.96%	2.13%	5.97%	1.76%	1.46%	1.16%
Prior Service	<u>8.22%</u>	<u>-1.60%</u>	<u>2.21%</u>	<u>0.33%</u>	<u>0.93%</u>	<u>-1.46%</u>	<u>-0.59%</u>
Full Retirement	17.50%	2.36%	4.34%	6.30%	2.69%	0.00%	0.57%
Supplemental Death Benefit	<u>0.81%</u>	<u>0.40%</u>	<u>0.71%</u>	<u>0.40%</u>	<u>0.24%</u>	<u>0.58%</u>	<u>0.29%</u>
Combined Contribution	18.31%	2.76%	5.05%	6.70%	2.93%	0.58%	0.86%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	9.50%	9.50%	13.50%	N/A	7.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	14.4 years	N/A	14.9 years	19.6 years	18.1 years	N/A	N/A
Number of Annuitants	16	13	4	13	1	12	7
Number of Active Contributing Members	24	22	11	19	25	19	42
Number of Inactive Members	14	43	12	18	23	30	33
Average age of Contributing Members	45.9 years	47.2 years	50.0 years	45.3 years	45.4 years	39.2 years	44.0 years
Average length of service of Contributing Members	6.2 years	6.6 years	10.8 years	11.5 years	4.8 years	1.5 years	7.8 years

	Primera	Princeton	Prosper	Providence Village	Quanah	Queen City	Quinlan
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$236,493	\$8,031,355	\$28,513,376	\$370,728	\$798,564	\$432,172	\$1,000,813
b. Noncontributing Members	337,788	1,305,522	7,234,606	25,149	119,059	316,247	119,919
c. Annuitants	<u>141,065</u>	<u>2,264,056</u>	<u>3,036,890</u>	<u>33,245</u>	<u>2,189,063</u>	<u>173,640</u>	<u>57,132</u>
2. Total Actuarial Accrued Liability	\$715,346	\$11,600,933	\$38,784,872	\$429,122	\$3,106,686	\$922,059	\$1,177,864
3. Actuarial Value of Assets	<u>854,500</u>	<u>10,522,288</u>	<u>33,649,154</u>	<u>376,850</u>	<u>3,474,879</u>	<u>1,055,018</u>	<u>1,227,066</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$139,154)	\$1,078,645	\$5,135,718	\$52,272	(\$368,193)	(\$132,959)	(\$49,202)
5. Funded Ratio: (3) / (2)	119.5%	90.7%	86.8%	87.8%	111.9%	114.4%	104.2%
6. Annual payroll	\$738,415	\$6,540,365	\$21,128,043	\$572,522	\$578,062	\$576,039	\$877,451
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	1.57%	10.64%	12.42%	4.71%	5.61%	2.39%	10.34%
Prior Service	<u>-0.73%</u>	<u>1.15%</u>	<u>1.70%</u>	<u>1.68%</u>	<u>-2.48%</u>	<u>-0.90%</u>	<u>-0.22%</u>
Full Retirement	0.84%	11.79%	14.12%	6.39%	3.13%	1.49%	10.12%
Supplemental Death Benefit	<u>0.20%</u>	<u>0.22%</u>	<u>0.00%</u>	<u>0.22%</u>	<u>0.55%</u>	<u>0.34%</u>	<u>0.21%</u>
Combined Contribution	1.04%	12.01%	14.12%	6.61%	3.68%	1.83%	10.33%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	13.50%	15.50%	N/A	N/A	7.50%	12.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	21.2 years	21.1 years	6.2 years	N/A	N/A	N/A
Number of Annuitants	4	19	29	1	16	6	4
Number of Active Contributing Members	18	112	268	11	13	13	19
Number of Inactive Members	41	43	135	4	12	18	19
Average age of Contributing Members	41.4 years	42.0 years	40.9 years	42.8 years	46.6 years	46.1 years	42.1 years
Average length of service of Contributing Members	6.0 years	7.2 years	8.5 years	5.3 years	9.1 years	7.0 years	9.1 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Quintana	Quitaque	Quitman	Ralls	Rancho Viejo	Ranger	Rankin
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$200,798	\$291,873	\$3,472,957	\$299,631	\$482,248	\$1,591,285	\$303,829
b. Noncontributing Members	39,366	0	514,583	151,347	274,582	769,367	248,637
c. Annuitants	0	31,096	1,054,675	1,221,556	1,914,704	275,781	281,269
2. Total Actuarial Accrued Liability	\$240,164	\$322,969	\$5,042,215	\$1,672,534	\$2,671,534	\$2,636,433	\$833,735
3. Actuarial Value of Assets	219,583	312,194	5,405,933	1,690,389	2,742,424	2,970,890	832,446
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$20,581	\$10,775	(\$363,718)	(\$17,855)	(\$70,890)	(\$334,457)	\$1,289
5. Funded Ratio: (3) / (2)	91.4%	96.7%	107.2%	101.1%	102.7%	112.7%	99.8%
6. Annual payroll	\$496,754	\$146,628	\$1,136,567	\$287,761	\$647,698	\$1,024,702	\$219,264
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	7.74%	1.24%	6.51%	5.36%	5.93%	8.15%	3.00%
Prior Service	0.75%	2.18%	-1.25%	-0.24%	-0.43%	-1.27%	4.38%
Full Retirement	8.49%	3.42%	5.26%	5.12%	5.50%	6.88%	7.38%
Supplemental Death Benefit	0.30%	0.55%	0.47%	1.00%	0.20%	0.00%	0.22%
Combined Contribution	8.79%	3.97%	5.73%	6.12%	5.70%	6.88%	7.60%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	11.50%	9.50%	11.50%	12.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	6.3 years	3.7 years	N/A	N/A	N/A	N/A	0.1 years
Number of Annuitants	0	1	10	12	5	5	2
Number of Active Contributing Members	9	4	22	8	12	21	4
Number of Inactive Members	8	0	18	10	6	53	6
Average age of Contributing Members	53.0 years	48.3 years	48.4 years	47.3 years	39.2 years	47.2 years	40.5 years
Average length of service of Contributing Members	3.1 years	16.5 years	13.4 years	6.3 years	10.4 years	6.3 years	9.0 years

	Ransom Canyon	Raymondville	Red Oak	Redwater	Refugio	Reklaw	Reno (Lamar County)
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,605,979	\$3,924,466	\$7,617,720	\$237,913	\$1,258,764	\$607,093	\$956,243
b. Noncontributing Members	193,630	727,512	2,832,744	140,004	156,701	600,013	217,267
c. Annuitants	754,796	4,196,098	3,466,098	29,701	690,254	514,211	193,534
2. Total Actuarial Accrued Liability	\$2,554,405	\$8,848,076	\$13,916,562	\$407,618	\$2,105,719	\$1,721,317	\$1,367,044
3. Actuarial Value of Assets	2,040,013	10,587,288	12,868,517	403,206	3,045,255	1,581,018	1,528,194
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$514,392	(\$1,739,212)	\$1,048,045	\$4,412	(\$939,536)	\$140,299	(\$161,150)
5. Funded Ratio: (3) / (2)	79.9%	119.7%	92.5%	98.9%	144.6%	91.8%	111.8%
6. Annual payroll	\$647,537	\$2,500,875	\$8,131,802	\$325,441	\$1,330,412	\$246,530	\$741,964
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	5.42%	4.40%	5.51%	2.46%	1.08%	7.76%	5.83%
Prior Service	8.25%	-2.71%	0.92%	0.19%	-1.08%	7.50%	-0.85%
Full Retirement	13.67%	1.69%	6.43%	2.65%	0.00%	15.26%	4.98%
Supplemental Death Benefit	0.36%	0.40%	0.20%	0.23%	0.00%	0.78%	0.20%
Combined Contribution	14.03%	2.09%	6.63%	2.88%	0.00%	16.04%	5.18%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	15.50%	13.50%	N/A	7.50%	N/A	11.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	12.2 years	N/A	20.6 years	8.3 years	N/A	9.2 years	N/A
Number of Annuitants	5	49	41	1	15	5	2
Number of Active Contributing Members	11	71	114	9	29	5	15
Number of Inactive Members	8	30	102	9	15	4	8
Average age of Contributing Members	42.3 years	42.3 years	38.5 years	47.6 years	46.2 years	46.6 years	45.5 years
Average length of service of Contributing Members	12.7 years	7.9 years	8.9 years	5.8 years	10.4 years	10.6 years	11.0 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Reno (Parker County)	Rhome	Rice	Richardson	Richland Hills	Richland Springs	Richmond
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$256,592	\$404,873	\$95,980	\$243,376,497	\$6,414,891	\$3,668	\$26,299,797
b. Noncontributing Members	176,527	469,735	94,497	49,004,109	7,882,203	0	5,384,537
c. Annuitants	<u>120,795</u>	<u>511,320</u>	<u>127,641</u>	<u>320,676,785</u>	<u>22,077,251</u>	<u>91,267</u>	<u>23,354,040</u>
2. Total Actuarial Accrued Liability	\$553,914	\$1,385,928	\$318,118	\$613,057,391	\$36,374,345	\$94,935	\$55,038,374
3. Actuarial Value of Assets	<u>677,083</u>	<u>1,536,474</u>	<u>351,919</u>	<u>568,808,555</u>	<u>33,560,372</u>	<u>216,660</u>	<u>50,042,094</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$123,169)	(\$150,546)	(\$33,801)	\$44,248,836	\$2,813,973	(\$121,725)	\$4,996,280
5. Funded Ratio: (3) / (2)	122.2%	110.9%	110.6%	92.8%	92.3%	228.2%	90.9%
6. Annual payroll	\$853,077	\$998,632	\$467,415	\$78,289,774	\$4,898,809	\$24,000	\$10,144,765
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	3.79%	7.51%	1.49%	7.99%	11.55%	3.11%	10.77%
Prior Service	<u>-0.56%</u>	<u>-0.59%</u>	<u>-0.28%</u>	<u>6.34%</u>	<u>4.47%</u>	<u>-3.11%</u>	<u>4.17%</u>
Full Retirement	3.23%	6.92%	1.21%	14.33%	16.02%	0.00%	14.94%
Supplemental Death Benefit	<u>0.30%</u>	<u>0.28%</u>	<u>0.24%</u>	<u>0.00%</u>	<u>0.46%</u>	<u>0.85%</u>	<u>0.31%</u>
Combined Contribution	3.53%	7.20%	1.45%	14.33%	16.48%	0.85%	15.25%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	13.50%	7.50%	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	N/A	N/A	11.1 years	18.0 years	N/A	16.0 years
Number of Annuitants	11	13	5	864	117	2	94
Number of Active Contributing Members	18	18	12	948	75	1	160
Number of Inactive Members	26	19	22	535	128	0	131
Average age of Contributing Members	39.5 years	46.2 years	41.0 years	43.3 years	40.8 years	30.7 years	42.3 years
Average length of service of Contributing Members	2.9 years	9.9 years	2.7 years	13.2 years	9.5 years	1.5 years	11.5 years

	Richwood	Riesel	Rio Grande City	Rio Vista	Rising Star	River Oaks	Roanoke
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,373,409	\$453,397	\$6,916,697	\$72,718	\$58,870	\$7,088,634	\$34,320,118
b. Noncontributing Members	731,151	126,979	2,752,531	393,209	27,736	1,795,535	6,954,470
c. Annuitants	<u>2,841,453</u>	<u>54,192</u>	<u>3,774,796</u>	<u>164,971</u>	<u>87,273</u>	<u>7,538,242</u>	<u>11,288,965</u>
2. Total Actuarial Accrued Liability	\$4,946,013	\$634,568	\$13,444,024	\$630,898	\$173,879	\$16,422,411	\$52,563,553
3. Actuarial Value of Assets	<u>4,288,492</u>	<u>505,910</u>	<u>12,639,202</u>	<u>608,574</u>	<u>287,739</u>	<u>15,241,883</u>	<u>44,708,152</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$657,521	\$128,658	\$804,822	\$22,324	(\$113,860)	\$1,180,528	\$7,855,401
5. Funded Ratio: (3) / (2)	86.7%	79.7%	94.0%	96.5%	165.5%	92.8%	85.1%
6. Annual payroll	\$1,367,469	\$368,296	\$5,965,613	\$319,939	\$281,128	\$3,449,350	\$12,046,969
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	7.88%	1.08%	6.00%	2.34%	1.97%	10.36%	12.72%
Prior Service	<u>3.63%</u>	<u>4.78%</u>	<u>0.91%</u>	<u>0.96%</u>	<u>-1.58%</u>	<u>2.89%</u>	<u>4.45%</u>
Full Retirement	11.51%	5.86%	6.91%	3.30%	0.39%	13.25%	17.17%
Supplemental Death Benefit	<u>0.36%</u>	<u>0.36%</u>	<u>0.22%</u>	<u>0.24%</u>	<u>0.66%</u>	<u>0.51%</u>	<u>0.00%</u>
Combined Contribution	11.87%	6.22%	7.13%	3.54%	1.05%	13.76%	17.17%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	18.8 years	8.7 years	22.2 years	9.0 years	N/A	16.4 years	21.9 years
Number of Annuitants	20	2	34	3	3	54	41
Number of Active Contributing Members	21	7	155	6	8	68	132
Number of Inactive Members	24	7	127	17	15	59	69
Average age of Contributing Members	46.5 years	43.8 years	41.8 years	42.3 years	49.3 years	43.3 years	43.7 years
Average length of service of Contributing Members	9.2 years	12.4 years	6.7 years	3.3 years	2.3 years	9.8 years	13.2 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Robert Lee	Robinson	Robstown	Robstown Utility Systems	Roby	Rockdale	Rockport
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$29,283	\$10,475,737	\$6,430,507	\$7,707,879	\$189,847	\$2,918,526	\$14,898,879
b. Noncontributing Members	11,817	1,616,805	1,814,613	1,332,118	0	968,570	3,767,754
c. Annuitants	139,869	4,682,557	10,161,948	9,733,848	527,801	2,856,234	20,744,870
2. Total Actuarial Accrued Liability	\$180,969	\$16,775,099	\$18,407,068	\$18,773,845	\$717,648	\$6,743,330	\$39,411,503
3. Actuarial Value of Assets	139,231	13,869,543	18,101,608	15,510,603	748,440	6,267,632	33,714,852
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$41,738	\$2,905,556	\$305,460	\$3,263,242	(\$30,792)	\$475,698	\$5,696,651
5. Funded Ratio: (3) / (2)	76.9%	82.7%	98.3%	82.6%	104.3%	92.9%	85.5%
6. Annual payroll	\$178,830	\$3,941,016	\$4,922,046	\$2,685,710	\$87,167	\$2,175,014	\$7,260,184
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	0.73%	9.06%	4.40%	6.96%	6.39%	6.92%	11.59%
Prior Service	3.09%	5.02%	0.51%	11.11%	-1.38%	1.49%	5.82%
Full Retirement	3.82%	14.08%	4.91%	18.07%	5.01%	8.41%	17.41%
Supplemental Death Benefit	0.41%	0.38%	0.32%	0.53%	0.58%	0.55%	0.39%
Combined Contribution	4.23%	14.46%	5.23%	18.60%	5.59%	8.96%	17.80%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	9.50%	N/A	N/A	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	9.3 years	22.0 years	16.6 years	14.9 years	N/A	21.9 years	19.3 years
Number of Annuitants	3	29	69	43	4	32	88
Number of Active Contributing Members	5	67	89	43	2	49	120
Number of Inactive Members	5	39	74	46	0	49	74
Average age of Contributing Members	26.7 years	44.8 years	41.7 years	44.0 years	48.2 years	44.2 years	45.0 years
Average length of service of Contributing Members	2.6 years	12.6 years	9.7 years	13.3 years	14.4 years	9.4 years	10.5 years

	Rocksprings	Rockwall	Rogers	Rollingwood	Roma	Roscoe	Rosebud
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$134,147	\$61,276,860	\$142,136	\$1,228,055	\$7,855,902	\$252,084	\$127,715
b. Noncontributing Members	25,065	11,011,384	254,063	846,208	1,083,334	62,083	90,013
c. Annuitants	284,824	44,795,714	608,890	1,362,061	6,877,713	335,452	149,775
2. Total Actuarial Accrued Liability	\$444,036	\$117,083,958	\$1,005,089	\$3,436,324	\$15,816,949	\$649,619	\$367,503
3. Actuarial Value of Assets	515,978	106,141,612	912,122	3,116,237	14,997,468	673,499	382,634
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$71,942)	\$10,942,346	\$92,967	\$320,087	\$819,481	(\$23,880)	(\$15,131)
5. Funded Ratio: (3) / (2)	116.2%	90.7%	90.8%	90.7%	94.8%	103.7%	104.1%
6. Annual payroll	\$345,627	\$24,155,243	\$405,852	\$1,355,568	\$4,483,700	\$378,441	\$424,118
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	2.48%	11.93%	5.85%	9.92%	6.84%	1.79%	1.94%
Prior Service	-0.81%	3.09%	2.25%	1.99%	1.95%	-0.25%	-0.14%
Full Retirement	1.67%	15.02%	8.10%	11.91%	8.79%	1.54%	1.80%
Supplemental Death Benefit	0.00%	0.24%	0.00%	0.43%	0.53%	0.47%	0.69%
Combined Contribution	1.67%	15.26%	8.10%	12.34%	9.32%	2.01%	2.49%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	13.50%	11.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	22.0 years	14.2 years	16.1 years	11.8 years	N/A	N/A
Number of Annuitants	2	131	8	14	63	5	9
Number of Active Contributing Members	8	307	10	17	136	6	12
Number of Inactive Members	16	120	11	22	117	2	18
Average age of Contributing Members	44.1 years	43.1 years	45.5 years	43.3 years	44.5 years	53.5 years	48.8 years
Average length of service of Contributing Members	5.2 years	13.3 years	5.9 years	10.5 years	8.7 years	9.4 years	5.9 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Rosenberg	Rotan	Round Rock	Rowlett	Royse City	Rule	Runaway Bay
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$37,724,336	\$175,534	\$215,352,087	\$73,961,468	\$10,125,721	\$9,247	\$204,434
b. Noncontributing Members	14,308,410	375,097	27,641,513	22,835,569	2,197,170	90,975	226,152
c. Annuitants	42,980,120	24,364	126,167,971	66,158,463	2,570,021	132,572	397,205
2. Total Actuarial Accrued Liability	\$95,012,866	\$574,995	\$369,161,571	\$162,955,500	\$14,892,912	\$232,794	\$827,791
3. Actuarial Value of Assets	79,531,159	790,800	316,771,891	147,567,623	12,331,425	308,663	1,022,546
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$15,481,707	(\$215,805)	\$52,389,680	\$15,387,877	\$2,561,487	(\$75,869)	(\$194,755)
5. Funded Ratio: (3) / (2)	83.7%	137.5%	85.8%	90.6%	82.8%	132.6%	123.5%
6. Annual payroll	\$18,596,155	\$295,852	\$75,547,695	\$31,274,524	\$5,582,587	\$98,752	\$797,676
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.85%	1.70%	10.94%	9.51%	12.36%	4.67%	2.67%
Prior Service	6.20%	-1.70%	5.26%	3.58%	3.24%	-2.99%	-0.95%
Full Retirement	16.05%	0.00%	16.20%	13.09%	15.60%	1.68%	1.72%
Supplemental Death Benefit	0.21%	0.92%	0.24%	0.00%	0.24%	0.29%	0.32%
Combined Contribution	16.26%	0.92%	16.44%	13.09%	15.84%	1.97%	2.04%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	11.50%	9.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	19.2 years	N/A	18.7 years	19.9 years	20.8 years	N/A	N/A
Number of Annuitants	191	2	427	282	28	1	12
Number of Active Contributing Members	272	5	971	437	87	2	17
Number of Inactive Members	195	8	497	324	68	5	35
Average age of Contributing Members	38.3 years	48.0 years	42.5 years	40.8 years	42.5 years	47.3 years	38.7 years
Average length of service of Contributing Members	8.8 years	9.0 years	11.2 years	10.1 years	8.8 years	2.2 years	3.1 years

	Runge	Rusk	Sabinal	Sachse	Saginaw	Saint Jo	Salado
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$707,479	\$2,738,425	\$437,578	\$19,721,810	\$26,664,975	\$51,435	\$213,194
b. Noncontributing Members	84,956	956,337	86,681	9,211,221	3,804,495	101,376	431,510
c. Annuitants	79,903	1,518,183	554,683	14,163,297	23,540,074	392,147	158,407
2. Total Actuarial Accrued Liability	\$872,338	\$5,212,945	\$1,078,942	\$43,096,328	\$54,009,544	\$544,958	\$803,111
3. Actuarial Value of Assets	787,735	5,531,271	1,239,353	38,025,438	41,344,016	672,297	984,231
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$84,603	(\$318,326)	(\$160,411)	\$5,070,890	\$12,665,528	(\$127,339)	(\$181,120)
5. Funded Ratio: (3) / (2)	90.3%	106.1%	114.9%	88.2%	76.5%	123.4%	122.6%
6. Annual payroll	\$172,032	\$1,729,502	\$452,525	\$11,010,133	\$10,087,846	\$275,587	\$623,670
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	4.42%	6.74%	3.30%	11.08%	11.60%	7.00%	6.98%
Prior Service	7.16%	-0.72%	-1.38%	3.17%	9.65%	-1.80%	-1.13%
Full Retirement	11.58%	6.02%	1.92%	14.25%	21.25%	5.20%	5.85%
Supplemental Death Benefit	0.99%	0.36%	0.76%	0.26%	0.29%	0.90%	0.43%
Combined Contribution	12.57%	6.38%	2.68%	14.51%	21.54%	6.10%	6.28%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	6.06%	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	10.50%	9.50%	N/A	N/A	10.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	8.1 years	N/A	N/A	21.6 years	18.3 years	N/A	N/A
Number of Annuitants	2	20	7	94	75	6	6
Number of Active Contributing Members	5	36	14	152	164	7	12
Number of Inactive Members	5	28	27	155	95	18	21
Average age of Contributing Members	54.6 years	48.3 years	47.0 years	42.3 years	41.4 years	49.1 years	48.0 years
Average length of service of Contributing Members	13.8 years	11.2 years	6.6 years	10.1 years	10.6 years	4.5 years	10.1 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	San Angelo	San Antonio	San Antonio Water System	San Augustine	San Benito	San Felipe	San Juan
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$103,607,645	\$880,202,857	\$112,968,125	\$3,384,123	\$6,294,432	\$193,469	\$8,134,343
b. Noncontributing Members	16,723,282	164,213,976	19,518,218	655,053	2,208,438	21,487	3,498,856
c. Annuitants	149,410,531	916,143,660	122,827,575	2,218,413	6,500,977	156,551	5,149,716
2. Total Actuarial Accrued Liability	\$269,741,458	\$1,960,560,493	\$255,313,918	\$6,257,589	\$15,003,847	\$371,507	\$16,782,915
3. Actuarial Value of Assets	230,255,193	1,764,690,319	232,635,782	6,036,680	14,259,734	350,502	17,109,982
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$39,486,265	\$195,870,174	\$22,678,136	\$220,909	\$744,113	\$21,005	(\$327,067)
5. Funded Ratio: (3) / (2)	85.4%	90.0%	91.1%	96.5%	95.0%	94.3%	101.9%
6. Annual payroll	\$39,191,870	\$418,073,426	\$124,509,478	\$1,285,608	\$6,423,868	\$207,461	\$10,561,646
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	8.21%	7.02%	2.10%	7.31%	3.72%	1.81%	4.36%
Prior Service	8.70%	4.82%	1.51%	1.29%	0.91%	1.81%	-0.12%
Full Retirement	16.91%	11.84%	3.61%	8.60%	4.63%	3.62%	4.24%
Supplemental Death Benefit	0.00%	0.00%	0.00%	0.57%	0.51%	0.38%	0.33%
Combined Contribution	16.91%	11.84%	3.61%	9.17%	5.14%	4.00%	4.57%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	5.50%	13.50%	11.50%	N/A	12.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	15.7 years	12.3 years	16.5 years	20.2 years	17.9 years	6.5 years	N/A
Number of Annuitants	647	5,366	1,377	21	113	4	87
Number of Active Contributing Members	732	7,057	1,680	29	166	4	236
Number of Inactive Members	356	3,449	823	18	165	4	171
Average age of Contributing Members	43.6 years	45.3 years	45.0 years	46.3 years	44.1 years	49.6 years	41.9 years
Average length of service of Contributing Members	10.0 years	10.7 years	13.4 years	8.3 years	8.0 years	10.8 years	7.9 years

	San Marcos	San Saba	Sanger	Sansom Park	Santa Fe	Savoy	Schertz
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$133,269,355	\$4,093,102	\$7,930,223	\$1,214,442	\$7,517,762	\$105,763	\$50,138,146
b. Noncontributing Members	21,782,469	505,021	970,951	1,287,354	3,056,371	137,509	11,484,421
c. Annuitants	120,243,985	3,184,189	4,599,134	583,824	7,864,032	57,298	31,304,074
2. Total Actuarial Accrued Liability	\$275,295,809	\$7,782,312	\$13,500,308	\$3,085,620	\$18,438,165	\$300,570	\$92,926,641
3. Actuarial Value of Assets	230,213,602	6,991,653	12,101,950	3,442,518	13,941,624	402,924	75,218,452
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$45,082,207	\$790,659	\$1,398,358	(\$356,898)	\$4,496,541	(\$102,354)	\$17,708,189
5. Funded Ratio: (3) / (2)	83.6%	89.8%	89.6%	111.6%	75.6%	134.1%	80.9%
6. Annual payroll	\$51,607,319	\$2,136,183	\$4,730,383	\$1,971,833	\$3,595,911	\$140,054	\$23,139,914
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	10.96%	6.23%	6.58%	7.42%	8.85%	4.21%	10.96%
Prior Service	7.39%	2.56%	2.03%	-0.70%	9.53%	-2.85%	5.22%
Full Retirement	18.35%	8.79%	8.61%	6.72%	18.38%	1.36%	16.18%
Supplemental Death Benefit	0.27%	0.46%	0.24%	0.23%	0.00%	0.47%	0.22%
Combined Contribution	18.62%	9.25%	8.85%	6.95%	18.38%	1.83%	16.40%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	10.50%	12.50%	11.50%	N/A	10.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	16.0 years	21.5 years	21.8 years	N/A	18.6 years	N/A	21.9 years
Number of Annuitants	380	26	31	18	38	3	138
Number of Active Contributing Members	688	47	77	39	63	4	356
Number of Inactive Members	362	16	26	94	62	10	267
Average age of Contributing Members	42.2 years	47.8 years	44.0 years	40.2 years	42.7 years	43.1 years	41.7 years
Average length of service of Contributing Members	10.2 years	10.4 years	12.5 years	4.9 years	8.4 years	12.7 years	9.5 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Schulenburg	Seabrook	Seadrift	Seagoville	Seagraves	Sealy	Seguin
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,347,526	\$20,917,880	\$840,431	\$14,440,295	\$511,219	\$8,807,022	\$60,631,026
b. Noncontributing Members	1,235,385	1,719,865	135,827	2,725,424	89,508	5,401,985	9,582,157
c. Annuitants	10,005,176	21,289,879	47,096	7,158,663	1,589,984	6,268,231	68,253,817
2. Total Actuarial Accrued Liability	\$15,588,087	\$43,927,624	\$1,023,354	\$24,324,382	\$2,190,711	\$20,477,238	\$138,467,000
3. Actuarial Value of Assets	13,918,388	38,914,439	979,867	21,737,147	2,076,574	18,470,056	102,394,271
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$1,669,699	\$5,013,185	\$43,487	\$2,587,235	\$114,137	\$2,007,182	\$36,072,729
5. Funded Ratio: (3) / (2)	89.3%	88.6%	95.8%	89.4%	94.8%	90.2%	73.9%
6. Annual payroll	\$2,089,695	\$8,026,810	\$750,858	\$6,241,446	\$811,812	\$4,336,811	\$25,819,903
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.88%	10.17%	1.44%	7.82%	7.42%	9.52%	10.05%
Prior Service	8.05%	5.94%	0.87%	3.19%	0.98%	3.15%	12.15%
Full Retirement	17.93%	16.11%	2.31%	11.01%	8.40%	12.67%	22.20%
Supplemental Death Benefit	0.43%	0.29%	0.35%	0.33%	0.59%	0.22%	0.36%
Combined Contribution	18.36%	16.40%	2.66%	11.34%	8.99%	12.89%	22.56%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	13.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	12.7 years	13.7 years	7.9 years	18.3 years	21.2 years	22.0 years	15.4 years
Number of Annuitants	33	84	3	68	16	31	272
Number of Active Contributing Members	39	110	19	104	18	70	415
Number of Inactive Members	32	47	3	79	30	48	243
Average age of Contributing Members	46.9 years	43.4 years	48.8 years	41.8 years	49.2 years	40.7 years	42.4 years
Average length of service of Contributing Members	8.2 years	11.9 years	9.6 years	11.2 years	6.3 years	8.7 years	9.6 years

	Selma	Seminole	Seven Points	Seymour	Shady Shores	Shallowater	Shamrock
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$13,283,494	\$7,776,896	\$475,095	\$1,630,229	\$153,883	\$510,821	\$319,729
b. Noncontributing Members	3,295,590	2,109,312	203,005	453,880	0	726,059	488,097
c. Annuitants	9,714,899	9,957,252	407,286	2,841,549	0	538,871	1,568,633
2. Total Actuarial Accrued Liability	\$26,293,983	\$19,843,460	\$1,085,386	\$4,925,658	\$153,883	\$1,775,751	\$2,376,459
3. Actuarial Value of Assets	22,778,491	18,450,033	1,942,738	4,642,919	141,008	1,876,921	2,023,581
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$3,515,492	\$1,393,427	(\$857,352)	\$282,739	\$12,875	(\$101,170)	\$352,878
5. Funded Ratio: (3) / (2)	86.6%	93.0%	179.0%	94.3%	91.6%	105.7%	85.2%
6. Annual payroll	\$6,042,933	\$3,198,879	\$659,706	\$1,065,629	\$131,092	\$693,905	\$559,599
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	11.29%	8.46%	9.09%	3.53%	7.86%	4.86%	3.19%
Prior Service	3.96%	3.37%	-5.06%	2.95%	3.00%	-0.57%	5.65%
Full Retirement	15.25%	11.83%	4.03%	6.48%	10.86%	4.29%	8.84%
Supplemental Death Benefit	0.20%	0.50%	0.48%	0.92%	0.14%	0.23%	1.39%
Combined Contribution	15.45%	12.33%	4.51%	7.40%	11.00%	4.52%	10.23%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	3.42%	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	13.50%	8.50%	N/A	10.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	22.0 years	18.2 years	N/A	11.2 years	3.5 years	N/A	14.9 years
Number of Annuitants	32	39	6	27	0	8	18
Number of Active Contributing Members	88	54	20	26	2	15	15
Number of Inactive Members	56	54	28	31	0	18	7
Average age of Contributing Members	40.6 years	41.7 years	46.8 years	48.9 years	49.7 years	43.5 years	47.3 years
Average length of service of Contributing Members	10.8 years	7.4 years	3.6 years	10.2 years	13.5 years	4.6 years	6.8 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Shavano Park	Shenandoah	Shepherd	Sherman	Shiner	Shoreacres	Silsbee
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$5,673,340	\$8,706,266	\$215,955	\$67,671,029	\$2,718,860	\$315,753	\$8,568,234
b. Noncontributing Members	3,259,859	4,298,087	117,777	11,605,533	655,903	761,398	1,182,053
c. Annuitants	<u>2,967,806</u>	<u>5,626,731</u>	<u>304,209</u>	<u>88,401,031</u>	<u>2,086,778</u>	<u>1,036,550</u>	<u>11,745,121</u>
2. Total Actuarial Accrued Liability	\$11,901,005	\$18,631,084	\$637,941	\$167,677,593	\$5,461,541	\$2,113,701	\$21,495,408
3. Actuarial Value of Assets	<u>10,628,086</u>	<u>14,638,776</u>	<u>830,694</u>	<u>150,776,631</u>	<u>4,571,622</u>	<u>2,354,384</u>	<u>17,568,532</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$1,272,919	\$3,992,308	(\$192,753)	\$16,900,962	\$889,919	(\$240,683)	\$3,926,876
5. Funded Ratio: (3) / (2)	89.3%	78.6%	130.2%	89.9%	83.7%	111.4%	81.7%
6. Annual payroll	\$3,379,386	\$4,087,925	\$332,662	\$29,586,864	\$1,565,433	\$553,329	\$3,466,717
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	11.67%	11.21%	4.79%	9.05%	5.35%	6.12%	9.93%
Prior Service	<u>2.62%</u>	<u>7.24%</u>	<u>-2.26%</u>	<u>4.64%</u>	<u>5.09%</u>	<u>-1.69%</u>	<u>8.62%</u>
Full Retirement	14.29%	18.45%	2.53%	13.69%	10.44%	4.43%	18.55%
Supplemental Death Benefit	<u>0.28%</u>	<u>0.27%</u>	<u>0.35%</u>	<u>0.35%</u>	<u>0.83%</u>	<u>0.50%</u>	<u>0.00%</u>
Combined Contribution	14.57%	18.72%	2.88%	14.04%	11.27%	4.93%	18.55%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	11.50%	N/A	N/A	9.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	21.3 years	22.1 years	N/A	16.9 years	14.8 years	N/A	18.6 years
Number of Annuitants	40	28	4	371	18	10	60
Number of Active Contributing Members	50	52	10	455	29	9	64
Number of Inactive Members	75	40	8	223	21	18	27
Average age of Contributing Members	43.4 years	44.3 years	47.3 years	41.8 years	50.6 years	54.7 years	46.6 years
Average length of service of Contributing Members	10.9 years	11.5 years	3.4 years	10.0 years	13.8 years	11.9 years	10.2 years

	Silverton	Simonton	Sinton	Skellytown	Slaton	Smithville	Smyer
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$38,164	\$59,050	\$5,748,716	\$50,792	\$4,097,263	\$4,074,151	\$388,203
b. Noncontributing Members	125,223	0	1,465,872	124,318	613,903	1,412,106	0
c. Annuitants	<u>677,837</u>	<u>0</u>	<u>3,763,795</u>	<u>78,988</u>	<u>4,362,373</u>	<u>2,456,682</u>	<u>0</u>
2. Total Actuarial Accrued Liability	\$841,224	\$59,050	\$10,978,383	\$254,098	\$9,073,539	\$7,942,939	\$388,203
3. Actuarial Value of Assets	<u>868,920</u>	<u>36,397</u>	<u>9,672,196</u>	<u>327,020</u>	<u>8,889,529</u>	<u>7,320,122</u>	<u>392,097</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$27,696)	\$22,653	\$1,306,187	(\$72,922)	\$184,010	\$622,817	(\$3,894)
5. Funded Ratio: (3) / (2)	103.3%	61.6%	88.1%	128.7%	98.0%	92.2%	101.0%
6. Annual payroll	\$149,527	\$149,229	\$1,863,093	\$160,434	\$2,132,534	\$2,933,027	\$90,294
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	5.23%	7.66%	7.98%	3.68%	5.83%	5.11%	5.36%
Prior Service	<u>-0.72%</u>	<u>3.03%</u>	<u>4.78%</u>	<u>-1.77%</u>	<u>0.64%</u>	<u>1.74%</u>	<u>-0.17%</u>
Full Retirement	4.51%	10.69%	12.76%	1.91%	6.47%	6.85%	5.19%
Supplemental Death Benefit	<u>0.48%</u>	<u>0.08%</u>	<u>0.40%</u>	<u>0.27%</u>	<u>0.53%</u>	<u>0.55%</u>	<u>0.34%</u>
Combined Contribution	4.99%	10.77%	13.16%	2.18%	7.00%	7.40%	5.53%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	9.50%	12.50%	9.50%	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	5.6 years	22.0 years	N/A	20.7 years	16.7 years	N/A
Number of Annuitants	3	0	30	1	33	33	0
Number of Active Contributing Members	4	2	42	5	45	66	2
Number of Inactive Members	6	0	49	9	22	75	0
Average age of Contributing Members	35.5 years	45.5 years	42.1 years	46.5 years	42.7 years	48.1 years	60.0 years
Average length of service of Contributing Members	2.3 years	9.3 years	10.8 years	2.4 years	10.6 years	9.2 years	25.3 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Snyder	Somerset	Somerville	Sonora	Sour Lake	South Houston	South Padre Island
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$13,545,554	\$114,491	\$523,070	\$1,432,283	\$852,659	\$15,292,867	\$20,872,223
b. Noncontributing Members	3,349,425	160,818	342,113	353,278	152,176	1,925,651	6,414,046
c. Annuitants	19,769,353	114,191	542,363	3,216,469	416,804	13,059,739	17,631,171
2. Total Actuarial Accrued Liability	\$36,664,332	\$389,500	\$1,407,546	\$5,002,030	\$1,421,639	\$30,278,257	\$44,917,440
3. Actuarial Value of Assets	33,898,606	458,110	1,579,521	4,820,164	1,572,466	29,087,221	42,727,425
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$2,765,726	(\$68,610)	(\$171,975)	\$181,866	(\$150,827)	\$1,191,036	\$2,190,015
5. Funded Ratio: (3) / (2)	92.5%	117.6%	112.2%	96.4%	110.6%	96.1%	95.1%
6. Annual payroll	\$5,436,833	\$566,813	\$636,879	\$1,402,650	\$696,711	\$6,109,862	\$9,250,149
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.34%	2.86%	5.11%	6.47%	6.09%	6.46%	10.87%
Prior Service	3.91%	-0.47%	-1.05%	0.87%	-0.84%	2.78%	1.63%
Full Retirement	13.25%	2.39%	4.06%	7.34%	5.25%	9.24%	12.50%
Supplemental Death Benefit	0.49%	3.42%	0.42%	0.48%	0.37%	0.56%	0.30%
Combined Contribution	13.74%	5.81%	4.48%	7.82%	5.62%	9.80%	12.80%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	9.50%	9.50%	N/A	13.50%	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	18.4 years	N/A	N/A	22.7 years	N/A	8.3 years	21.6 years
Number of Annuitants	69	5	16	30	7	74	86
Number of Active Contributing Members	84	13	15	33	15	113	169
Number of Inactive Members	56	27	24	21	26	83	111
Average age of Contributing Members	42.8 years	43.1 years	40.9 years	42.4 years	46.5 years	48.5 years	42.9 years
Average length of service of Contributing Members	9.3 years	2.7 years	7.3 years	7.4 years	11.2 years	12.6 years	8.8 years

	Southlake	Southmayd	Southside Place	Spearman	Splendor	Spring Valley Village	Springtown
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$72,382,123	\$104,459	\$3,765,522	\$1,524,128	\$1,120,879	\$4,305,038	\$1,558,945
b. Noncontributing Members	21,712,759	36,241	600,557	828,498	139,551	1,882,123	1,877,657
c. Annuitants	35,201,672	64,282	2,120,366	4,191,000	282,202	6,963,475	2,386,970
2. Total Actuarial Accrued Liability	\$129,296,554	\$204,982	\$6,486,445	\$6,543,626	\$1,542,632	\$13,150,636	\$5,823,572
3. Actuarial Value of Assets	117,842,008	180,344	5,944,078	6,520,170	667,698	12,883,633	6,532,818
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$11,454,546	\$24,638	\$542,367	\$23,456	\$874,934	\$267,003	(\$709,246)
5. Funded Ratio: (3) / (2)	91.1%	88.0%	91.6%	99.6%	43.3%	98.0%	112.2%
6. Annual payroll	\$27,710,797	\$315,279	\$1,590,508	\$1,123,698	\$1,630,939	\$3,558,681	\$1,948,360
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.36%	1.59%	8.66%	9.30%	6.52%	5.61%	10.69%
Prior Service	2.80%	1.68%	2.30%	0.13%	4.55%	0.52%	-1.42%
Full Retirement	12.16%	3.27%	10.96%	9.43%	11.07%	6.13%	9.27%
Supplemental Death Benefit	0.24%	0.19%	0.53%	0.51%	0.23%	0.30%	0.32%
Combined Contribution	12.40%	3.46%	11.49%	9.94%	11.30%	6.43%	9.59%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	N/A	13.50%	N/A	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	22.2 years	5.2 years	22.3 years	24.0 years	16.0 years	21.3 years	N/A
Number of Annuitants	155	1	18	23	2	37	31
Number of Active Contributing Members	356	7	20	26	34	41	47
Number of Inactive Members	270	9	15	32	12	33	73
Average age of Contributing Members	42.0 years	41.1 years	48.7 years	44.3 years	41.3 years	42.5 years	41.5 years
Average length of service of Contributing Members	11.3 years	9.9 years	13.0 years	4.9 years	4.2 years	10.6 years	5.6 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Spur	Stafford	Stamford	Stanton	Star Harbor	Stephenville	Sterling City
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$257,693	\$24,414,794	\$712,250	\$2,190,385	\$363,868	\$15,140,606	\$420,339
b. Noncontributing Members	179,494	5,169,708	428,841	407,567	5,169	6,088,456	42,421
c. Annuitants	536,093	21,965,390	2,445,603	1,520,124	648,430	23,417,357	208,440
2. Total Actuarial Accrued Liability	\$973,280	\$51,549,892	\$3,586,694	\$4,118,076	\$1,017,467	\$44,646,419	\$671,200
3. Actuarial Value of Assets	949,065	48,523,104	4,023,792	4,037,507	909,512	47,301,199	697,759
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$24,215	\$3,026,788	(\$437,098)	\$80,569	\$107,955	(\$2,654,780)	(\$26,559)
5. Funded Ratio: (3) / (2)	97.5%	94.1%	112.2%	98.0%	89.4%	105.9%	104.0%
6. Annual payroll	\$241,873	\$10,717,011	\$959,083	\$1,421,921	\$175,005	\$9,775,669	\$353,040
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	2.65%	11.07%	4.87%	4.69%	7.72%	7.53%	1.37%
Prior Service	2.60%	2.06%	-1.77%	0.39%	8.17%	-1.06%	-0.29%
Full Retirement	5.25%	13.13%	3.10%	5.08%	15.89%	6.47%	1.08%
Supplemental Death Benefit	0.68%	0.36%	0.69%	0.31%	1.06%	0.38%	0.00%
Combined Contribution	5.93%	13.49%	3.79%	5.39%	16.95%	6.85%	1.08%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	9.50%	9.50%	N/A	N/A	7.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	4.2 years	19.8 years	N/A	22.0 years	9.4 years	N/A	N/A
Number of Annuitants	6	90	26	8	8	117	4
Number of Active Contributing Members	9	175	19	21	5	161	8
Number of Inactive Members	19	103	25	10	3	141	6
Average age of Contributing Members	50.8 years	44.0 years	48.0 years	45.5 years	50.2 years	41.9 years	48.9 years
Average length of service of Contributing Members	6.1 years	10.3 years	7.9 years	10.2 years	8.4 years	9.4 years	14.9 years

	Stinnett	Stockdale	Stratford	Sudan	Sugar Land	Sullivan City	Sulphur Springs
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$434,872	\$366,490	\$1,056,466	\$631,082	\$177,066,460	\$142,700	\$21,843,956
b. Noncontributing Members	485,634	3,673	180,137	6,019	31,079,838	0	2,927,101
c. Annuitants	1,121,124	34,411	487,281	234,524	108,201,057	0	20,620,566
2. Total Actuarial Accrued Liability	\$2,041,630	\$404,574	\$1,723,884	\$871,625	\$316,347,355	\$142,700	\$45,391,623
3. Actuarial Value of Assets	2,630,001	370,426	1,563,738	928,072	287,238,560	9,330	44,422,569
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$588,371)	\$34,148	\$160,146	(\$56,447)	\$29,108,795	\$133,370	\$969,054
5. Funded Ratio: (3) / (2)	128.8%	91.6%	90.7%	106.5%	90.8%	6.5%	97.9%
6. Annual payroll	\$857,320	\$428,015	\$701,919	\$405,666	\$60,244,710	\$856,585	\$8,984,715
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	2.40%	2.72%	7.46%	1.49%	10.73%	1.15%	4.64%
Prior Service	-2.40%	1.49%	1.93%	-0.54%	3.63%	1.13%	2.18%
Full Retirement	0.00%	4.21%	9.39%	0.95%	14.36%	2.28%	6.82%
Supplemental Death Benefit	0.32%	0.64%	0.51%	0.00%	0.24%	0.09%	0.44%
Combined Contribution	0.32%	4.85%	9.90%	0.95%	14.60%	2.37%	7.26%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	N/A	N/A	7.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	6.1 years	16.0 years	N/A	18.9 years	20.0 years	5.6 years
Number of Annuitants	10	1	9	2	320	0	127
Number of Active Contributing Members	19	9	13	8	793	25	144
Number of Inactive Members	18	2	21	2	348	0	90
Average age of Contributing Members	40.8 years	57.4 years	40.8 years	49.5 years	41.9 years	33.2 years	44.2 years
Average length of service of Contributing Members	4.3 years	13.7 years	8.2 years	14.4 years	11.4 years	3.5 years	12.6 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Sundown	Sunnyvale	Sunray	Sunrise Beach Village	Sunset Valley	Surfside Beach	Sweeny
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,199,197	\$2,878,989	\$1,452,789	\$237,406	\$2,300,842	\$256,371	\$1,635,996
b. Noncontributing Members	826,244	2,485,226	294,827	52,140	2,438,023	203,388	769,966
c. Annuitants	<u>1,646,888</u>	<u>3,095,656</u>	<u>1,301,698</u>	<u>139,999</u>	<u>3,478,482</u>	<u>403,725</u>	<u>3,452,218</u>
2. Total Actuarial Accrued Liability	\$3,672,329	\$8,459,871	\$3,049,314	\$429,545	\$8,217,347	\$863,484	\$5,858,180
3. Actuarial Value of Assets	<u>3,429,603</u>	<u>7,797,555</u>	<u>2,837,820</u>	<u>457,178</u>	<u>7,888,506</u>	<u>1,007,118</u>	<u>5,058,210</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$242,726	\$662,316	\$211,494	(\$27,633)	\$328,841	(\$143,634)	\$799,970
5. Funded Ratio: (3) / (2)	93.4%	92.2%	93.1%	106.4%	96.0%	116.6%	86.3%
6. Annual payroll	\$590,257	\$4,810,817	\$620,472	\$613,457	\$1,821,280	\$1,203,752	\$1,070,942
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	8.20%	10.13%	10.20%	1.77%	9.66%	5.95%	9.11%
Prior Service	<u>3.46%</u>	<u>0.93%</u>	<u>3.03%</u>	<u>-0.18%</u>	<u>1.25%</u>	<u>-0.46%</u>	<u>5.66%</u>
Full Retirement	11.66%	11.06%	13.23%	1.59%	10.91%	5.49%	14.77%
Supplemental Death Benefit	<u>0.58%</u>	<u>0.28%</u>	<u>0.49%</u>	<u>0.34%</u>	<u>0.22%</u>	<u>0.28%</u>	<u>0.66%</u>
Combined Contribution	12.24%	11.34%	13.72%	1.93%	11.13%	5.77%	15.43%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	7.50%	13.50%	13.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	16.3 years	22.1 years	15.0 years	N/A	21.3 years	N/A	18.7 years
Number of Annuitants	17	23	8	4	13	9	18
Number of Active Contributing Members	13	76	12	11	24	31	24
Number of Inactive Members	12	52	12	7	34	34	31
Average age of Contributing Members	48.9 years	41.3 years	46.1 years	48.2 years	40.5 years	40.5 years	40.7 years
Average length of service of Contributing Members	8.2 years	8.4 years	8.9 years	6.4 years	7.6 years	3.4 years	6.2 years

	Sweetwater	TMRS	Taft	Tahoka	Talty	Tatum	Taylor
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$15,448,436	\$31,513,255	\$1,163,912	\$657,522	\$146,834	\$232,098	\$17,370,857
b. Noncontributing Members	2,122,657	4,874,358	598,995	173,715	13,648	129,052	4,792,438
c. Annuitants	<u>20,114,229</u>	<u>25,776,747</u>	<u>2,186,667</u>	<u>1,624,590</u>	<u>39,908</u>	<u>116,057</u>	<u>15,970,816</u>
2. Total Actuarial Accrued Liability	\$37,685,322	\$62,164,360	\$3,949,574	\$2,455,827	\$200,390	\$477,207	\$38,134,111
3. Actuarial Value of Assets	<u>32,916,486</u>	<u>55,175,605</u>	<u>3,377,390</u>	<u>3,253,276</u>	<u>137,922</u>	<u>463,693</u>	<u>33,214,521</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$4,768,836	\$6,988,755	\$572,184	(\$797,449)	\$62,468	\$13,514	\$4,919,590
5. Funded Ratio: (3) / (2)	87.3%	88.8%	85.5%	132.5%	68.8%	97.2%	87.1%
6. Annual payroll	\$5,997,674	\$14,317,166	\$1,235,405	\$823,479	\$203,681	\$388,269	\$9,491,211
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.17%	11.36%	12.51%	5.76%	5.67%	1.51%	9.19%
Prior Service	<u>7.27%</u>	<u>3.70%</u>	<u>3.30%</u>	<u>-3.77%</u>	<u>4.95%</u>	<u>0.36%</u>	<u>3.51%</u>
Full Retirement	16.44%	15.06%	15.81%	1.99%	10.62%	1.87%	12.70%
Supplemental Death Benefit	<u>0.43%</u>	<u>0.33%</u>	<u>0.65%</u>	<u>0.49%</u>	<u>0.77%</u>	<u>0.34%</u>	<u>0.35%</u>
Combined Contribution	16.87%	15.39%	16.46%	2.48%	11.39%	2.21%	13.05%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	11.50%	N/A	7.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	14.4 years	18.7 years	21.1 years	N/A	7.2 years	12.4 years	22.2 years
Number of Annuitants	92	48	17	14	1	5	117
Number of Active Contributing Members	106	118	29	20	6	8	156
Number of Inactive Members	40	51	58	13	1	20	133
Average age of Contributing Members	45.2 years	47.4 years	49.9 years	45.1 years	55.8 years	45.7 years	42.8 years
Average length of service of Contributing Members	10.6 years	10.3 years	6.0 years	5.8 years	8.6 years	6.2 years	9.1 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Teague	Temple	Tenaha	Terrell	Terrell Hills	Tex Municipal League IEBP	Tex Municipal League IRP
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$723,836	\$103,295,551	\$51,710	\$35,691,829	\$6,426,880	\$22,233,273	\$115,808,416
b. Noncontributing Members	903,308	19,732,044	35,355	4,174,243	2,960,169	7,465,459	8,666,391
c. Annuitants	<u>1,827,841</u>	<u>117,682,511</u>	<u>221,395</u>	<u>31,519,711</u>	<u>8,349,202</u>	<u>12,762,297</u>	<u>66,548,574</u>
2. Total Actuarial Accrued Liability	\$3,454,985	\$240,710,106	\$308,460	\$71,385,783	\$17,736,251	\$42,461,029	\$191,023,381
3. Actuarial Value of Assets	<u>3,647,940</u>	<u>208,403,786</u>	<u>393,974</u>	<u>62,244,648</u>	<u>15,014,498</u>	<u>39,839,333</u>	<u>188,875,539</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$192,955)	\$32,306,320	(\$85,514)	\$9,141,135	\$2,721,753	\$2,621,696	\$2,147,842
5. Funded Ratio: (3) / (2)	105.6%	86.6%	127.7%	87.2%	84.7%	93.8%	98.9%
6. Annual payroll	\$917,135	\$40,019,740	\$232,766	\$12,185,761	\$3,120,686	\$11,549,998	\$27,847,426
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	8.29%	10.66%	1.21%	10.90%	9.67%	5.74%	10.03%
Prior Service	<u>-0.82%</u>	<u>6.14%</u>	<u>-1.21%</u>	<u>5.75%</u>	<u>6.03%</u>	<u>2.35%</u>	<u>0.57%</u>
Full Retirement	7.47%	16.80%	0.00%	16.65%	15.70%	8.09%	10.60%
Supplemental Death Benefit	<u>0.39%</u>	<u>0.37%</u>	<u>0.65%</u>	<u>0.38%</u>	<u>0.30%</u>	<u>0.31%</u>	<u>0.33%</u>
Combined Contribution	7.86%	17.17%	0.65%	17.03%	16.00%	8.40%	10.93%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	7.50%	N/A	N/A	12.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	18.6 years	N/A	18.4 years	21.5 years	12.2 years	19.2 years
Number of Annuitants	26	465	6	141	36	43	114
Number of Active Contributing Members	21	712	6	187	50	121	252
Number of Inactive Members	34	503	5	70	58	96	42
Average age of Contributing Members	36.1 years	43.6 years	36.6 years	43.6 years	38.3 years	48.3 years	49.2 years
Average length of service of Contributing Members	4.2 years	9.6 years	3.0 years	11.3 years	8.3 years	10.2 years	14.9 years

	Texarkana	Texarkana Police Dept	Texarkana Water Utilities	Texas City	Texas Municipal League	The Colony	Thompsons
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$20,498,425	\$18,032,524	\$20,588,991	\$74,052,624	\$10,887,284	\$64,138,126	\$139,780
b. Noncontributing Members	5,801,094	2,131,686	3,052,804	9,111,469	3,695,449	9,357,711	0
c. Annuitants	<u>37,332,472</u>	<u>32,769,055</u>	<u>25,216,110</u>	<u>92,695,264</u>	<u>11,190,484</u>	<u>48,955,927</u>	<u>123,959</u>
2. Total Actuarial Accrued Liability	\$63,631,991	\$52,933,265	\$48,857,905	\$175,859,357	\$25,773,217	\$122,451,764	\$263,739
3. Actuarial Value of Assets	<u>56,370,349</u>	<u>48,864,093</u>	<u>42,921,338</u>	<u>154,930,583</u>	<u>23,392,406</u>	<u>108,697,679</u>	<u>247,493</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$7,261,642	\$4,069,172	\$5,936,567	\$20,928,774	\$2,380,811	\$13,754,085	\$16,246
5. Funded Ratio: (3) / (2)	88.6%	92.3%	87.8%	88.1%	90.8%	88.8%	93.8%
6. Annual payroll	\$8,708,577	\$6,332,307	\$7,777,784	\$26,101,590	\$3,464,004	\$29,385,110	\$109,900
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.23%	10.10%	9.85%	9.93%	7.78%	10.02%	2.41%
Prior Service	<u>6.57%</u>	<u>4.37%</u>	<u>6.85%</u>	<u>6.95%</u>	<u>5.88%</u>	<u>3.43%</u>	<u>3.20%</u>
Full Retirement	15.80%	14.47%	16.70%	16.88%	13.66%	13.45%	5.61%
Supplemental Death Benefit	<u>0.00%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>0.40%</u>	<u>0.26%</u>	<u>0.56%</u>
Combined Contribution	15.80%	14.47%	16.70%	16.88%	14.06%	13.71%	6.17%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	18.7 years	22.0 years	14.9 years	15.5 years	15.8 years	19.7 years	5.2 years
Number of Annuitants	211	92	125	323	29	219	2
Number of Active Contributing Members	189	88	163	418	33	380	2
Number of Inactive Members	117	25	53	203	18	217	0
Average age of Contributing Members	47.1 years	36.3 years	45.3 years	44.0 years	48.2 years	42.3 years	64.7 years
Average length of service of Contributing Members	9.6 years	11.4 years	9.7 years	11.1 years	13.7 years	11.2 years	14.6 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Thorndale	Thrall	Three Rivers	Throckmorton	Tiki Island	Timpson	Tioga
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$526,883	\$149,349	\$7,179,424	\$118,509	\$619,708	\$304,837	\$530,323
b. Noncontributing Members	71,589	54,903	380,228	4,118	216,795	90,260	61,455
c. Annuitants	449,270	40,654	3,454,218	608,045	96,753	554,171	0
2. Total Actuarial Accrued Liability	\$1,047,742	\$244,906	\$11,013,870	\$730,672	\$933,256	\$949,268	\$591,778
3. Actuarial Value of Assets	1,029,465	230,960	7,677,657	730,029	889,482	1,096,866	617,744
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$18,277	\$13,946	\$3,336,213	\$643	\$43,774	(\$147,598)	(\$25,966)
5. Funded Ratio: (3) / (2)	98.3%	94.3%	69.7%	99.9%	95.3%	115.5%	104.4%
6. Annual payroll	\$361,831	\$275,661	\$1,911,221	\$173,286	\$547,452	\$304,444	\$475,194
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.39%	3.72%	10.14%	5.96%	2.37%	2.59%	4.47%
Prior Service	0.65%	1.54%	14.24%	0.05%	1.08%	-1.89%	-0.21%
Full Retirement	7.04%	5.26%	24.38%	6.01%	3.45%	0.70%	4.26%
Supplemental Death Benefit	0.52%	0.70%	0.98%	0.58%	0.47%	0.56%	0.30%
Combined Contribution	7.56%	5.96%	25.36%	6.59%	3.92%	1.26%	4.56%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	N/A	N/A	9.50%	N/A	7.50%	11.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	9.9 years	3.6 years	16.8 years	10.0 years	8.8 years	N/A	N/A
Number of Annuitants	9	1	22	9	1	4	0
Number of Active Contributing Members	11	7	35	5	8	6	10
Number of Inactive Members	6	9	19	2	8	8	12
Average age of Contributing Members	52.9 years	46.2 years	49.8 years	40.9 years	57.7 years	43.4 years	50.7 years
Average length of service of Contributing Members	8.8 years	8.0 years	12.7 years	5.7 years	10.7 years	8.7 years	10.6 years

	Tolar	Tom Bean	Tomball	Trent	Trenton	Trinidad	Trinity
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$152,570	\$182,374	\$25,220,005	\$133,517	\$217,674	\$294,253	\$924,479
b. Noncontributing Members	145,533	138,694	8,015,829	0	50,155	44,771	219,217
c. Annuitants	389,347	35,406	21,574,684	141,933	161,781	354,284	508,149
2. Total Actuarial Accrued Liability	\$687,450	\$356,474	\$54,810,518	\$275,450	\$429,610	\$693,308	\$1,651,845
3. Actuarial Value of Assets	709,473	427,919	47,601,448	311,686	474,313	542,634	1,804,796
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$22,023)	(\$71,445)	\$7,209,070	(\$36,236)	(\$44,703)	\$150,674	(\$152,951)
5. Funded Ratio: (3) / (2)	103.2%	120.0%	86.8%	113.2%	110.4%	78.3%	109.3%
6. Annual payroll	\$257,717	\$309,563	\$13,065,356	\$76,601	\$233,078	\$323,909	\$722,209
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	7.51%	3.44%	9.30%	4.03%	4.42%	9.15%	6.34%
Prior Service	-0.33%	-0.90%	3.74%	-1.84%	-0.75%	5.35%	-0.82%
Full Retirement	7.18%	2.54%	13.04%	2.19%	3.67%	14.50%	5.52%
Supplemental Death Benefit	0.30%	0.23%	0.30%	0.81%	0.58%	0.63%	0.74%
Combined Contribution	7.48%	2.77%	13.34%	3.00%	4.25%	15.13%	6.26%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	10.50%	N/A	11.50%	9.50%	13.50%	11.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	N/A	22.1 years	N/A	N/A	11.4 years	N/A
Number of Annuitants	4	3	103	1	4	5	8
Number of Active Contributing Members	6	8	185	1	6	7	23
Number of Inactive Members	8	17	108	0	10	7	31
Average age of Contributing Members	47.3 years	38.7 years	40.4 years	70.0 years	38.9 years	52.6 years	45.1 years
Average length of service of Contributing Members	6.2 years	7.2 years	8.1 years	34.0 years	9.4 years	5.6 years	6.0 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Trophy Club	Troup	Troy	Tulla	Turkey	Tuscola	Tye
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$8,457,824	\$1,097,401	\$937,259	\$2,832,015	\$55,849	\$18,613	\$190,339
b. Noncontributing Members	8,003,748	126,219	140,351	971,454	1,377	13,668	379,619
c. Annuitants	<u>8,729,790</u>	<u>581,498</u>	<u>445,962</u>	<u>6,474,918</u>	<u>232,185</u>	<u>0</u>	<u>643,111</u>
2. Total Actuarial Accrued Liability	\$25,191,362	\$1,805,118	\$1,523,572	\$10,278,387	\$289,411	\$32,281	\$1,213,069
3. Actuarial Value of Assets	<u>23,440,638</u>	<u>1,685,881</u>	<u>1,533,773</u>	<u>10,334,756</u>	<u>232,448</u>	<u>15,223</u>	<u>1,088,671</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$1,750,724	\$119,237	(\$10,201)	(\$56,369)	\$56,963	\$17,058	\$124,398
5. Funded Ratio: (3) / (2)	93.1%	93.4%	100.7%	100.5%	80.3%	47.2%	89.7%
6. Annual payroll	\$5,967,227	\$930,367	\$748,149	\$1,667,741	\$148,895	\$91,098	\$791,601
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	10.71%	4.45%	9.61%	8.59%	2.10%	1.92%	4.52%
Prior Service	<u>1.97%</u>	<u>0.88%</u>	<u>-0.05%</u>	<u>-0.13%</u>	<u>3.14%</u>	<u>2.75%</u>	<u>1.28%</u>
Full Retirement	12.68%	5.33%	9.56%	8.46%	5.24%	4.67%	5.80%
Supplemental Death Benefit	<u>0.31%</u>	<u>0.50%</u>	<u>0.77%</u>	<u>0.41%</u>	<u>0.87%</u>	<u>0.13%</u>	<u>0.32%</u>
Combined Contribution	12.99%	5.83%	10.33%	8.87%	6.11%	4.80%	6.12%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	9.50%	13.50%	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	22.5 years	21.8 years	N/A	N/A	16.7 years	8.0 years	17.0 years
Number of Annuitants	56	14	10	29	6	0	12
Number of Active Contributing Members	73	22	13	37	4	4	16
Number of Inactive Members	109	14	7	38	2	3	17
Average age of Contributing Members	45.2 years	43.8 years	48.6 years	45.0 years	52.5 years	40.1 years	41.8 years
Average length of service of Contributing Members	13.3 years	9.4 years	11.9 years	8.6 years	11.2 years	9.4 years	6.0 years

	Tyler	Umland	Universal City	University Park	Uvalde	Valley Mills	Valley View
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$119,776,921	\$268,849	\$24,214,689	\$46,584,595	\$12,152,095	\$51,176	\$54,826
b. Noncontributing Members	15,187,175	0	3,888,752	5,346,745	2,742,872	52,335	10,390
c. Annuitants	<u>152,425,660</u>	<u>0</u>	<u>20,200,125</u>	<u>57,408,653</u>	<u>7,515,878</u>	<u>0</u>	<u>10,418</u>
2. Total Actuarial Accrued Liability	\$287,389,756	\$268,849	\$48,303,566	\$109,339,993	\$22,410,845	\$103,511	\$75,634
3. Actuarial Value of Assets	<u>235,732,827</u>	<u>14,843</u>	<u>37,825,151</u>	<u>107,866,388</u>	<u>19,674,063</u>	<u>137,595</u>	<u>94,045</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$51,656,929	\$254,006	\$10,478,415	\$1,473,605	\$2,736,782	(\$34,084)	(\$18,411)
5. Funded Ratio: (3) / (2)	82.0%	5.5%	78.3%	98.7%	87.8%	132.9%	124.3%
6. Annual payroll	\$42,575,994	\$304,023	\$8,704,829	\$18,942,915	\$7,516,931	\$357,359	\$243,584
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.45%	2.81%	9.91%	5.90%	6.12%	2.02%	1.93%
Prior Service	<u>11.20%</u>	<u>10.19%</u>	<u>8.92%</u>	<u>2.27%</u>	<u>2.68%</u>	<u>-0.37%</u>	<u>-0.29%</u>
Full Retirement	20.65%	13.00%	18.83%	8.17%	8.80%	1.65%	1.64%
Supplemental Death Benefit	<u>0.44%</u>	<u>0.20%</u>	<u>0.27%</u>	<u>0.00%</u>	<u>0.35%</u>	<u>0.17%</u>	<u>0.21%</u>
Combined Contribution	21.09%	13.20%	19.10%	8.17%	9.15%	1.82%	1.85%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	11.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	14.2 years	10.0 years	19.3 years	3.7 years	19.6 years	N/A	N/A
Number of Annuitants	613	0	83	189	81	0	1
Number of Active Contributing Members	710	5	130	221	165	9	6
Number of Inactive Members	340	0	111	52	110	18	8
Average age of Contributing Members	43.7 years	49.0 years	41.3 years	45.9 years	40.8 years	45.0 years	45.7 years
Average length of service of Contributing Members	9.5 years	10.6 years	10.1 years	15.2 years	8.5 years	2.7 years	8.5 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Van	Van Alstyne	Van Horn	Vega	Venus	Vernon	Victoria
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,083,002	\$3,444,918	\$2,639,254	\$789,705	\$913,848	\$8,072,808	\$74,054,021
b. Noncontributing Members	187,942	2,019,295	184,461	4,425	373,530	4,058,454	24,432,893
c. Annuitants	1,678,327	1,695,868	2,513,058	1,149,378	1,336,533	12,321,100	124,100,977
2. Total Actuarial Accrued Liability	\$2,949,271	\$7,160,081	\$5,336,773	\$1,943,508	\$2,623,911	\$24,452,362	\$222,587,891
3. Actuarial Value of Assets	3,145,571	6,001,879	4,884,797	1,770,761	2,643,183	22,378,614	187,059,781
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$196,300)	\$1,158,202	\$451,976	\$172,747	(\$19,272)	\$2,073,748	\$35,528,110
5. Funded Ratio: (3) / (2)	106.7%	83.8%	91.5%	91.1%	100.7%	91.5%	84.0%
6. Annual payroll	\$1,138,914	\$2,787,252	\$1,312,453	\$257,196	\$1,667,210	\$4,087,861	\$34,016,545
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.97%	9.91%	4.91%	10.53%	10.84%	7.49%	7.72%
Prior Service	-0.67%	2.95%	3.07%	10.14%	-0.04%	4.28%	8.39%
Full Retirement	6.30%	12.86%	7.98%	20.67%	10.80%	11.77%	16.11%
Supplemental Death Benefit	0.44%	0.31%	0.43%	0.48%	0.00%	0.56%	0.43%
Combined Contribution	6.74%	13.17%	8.41%	21.15%	10.80%	12.33%	16.54%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	12.50%	13.50%	9.50%	N/A	13.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	20.6 years	16.3 years	7.8 years	N/A	16.7 years	17.2 years
Number of Annuitants	16	22	18	4	18	76	524
Number of Active Contributing Members	25	53	25	5	32	86	560
Number of Inactive Members	17	83	15	2	19	130	458
Average age of Contributing Members	40.7 years	39.4 years	47.1 years	42.7 years	38.9 years	41.5 years	41.1 years
Average length of service of Contributing Members	7.1 years	6.2 years	11.1 years	8.2 years	6.3 years	9.0 years	9.7 years

	Vidor	Village Fire Department	Village of the Hills	Waco	Waelder	Wake Village	Waller
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$6,939,424	\$8,690,197	\$80,619	\$266,217,464	\$623,380	\$1,739,895	\$2,497,657
b. Noncontributing Members	2,405,741	2,558,539	0	31,940,276	268,673	480,177	492,202
c. Annuitants	13,756,911	10,442,651	0	273,392,920	327,873	2,982,580	1,787,472
2. Total Actuarial Accrued Liability	\$23,102,076	\$21,691,387	\$80,619	\$571,550,660	\$1,219,926	\$5,202,652	\$4,777,331
3. Actuarial Value of Assets	21,020,893	21,350,893	70,414	515,783,076	1,286,208	4,521,241	4,013,911
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$2,081,183	\$340,494	\$10,205	\$55,767,584	(\$66,282)	\$681,411	\$763,420
5. Funded Ratio: (3) / (2)	91.0%	98.4%	87.3%	90.2%	105.4%	86.9%	84.0%
6. Annual payroll	\$3,876,756	\$4,466,742	\$114,721	\$95,878,869	\$891,131	\$1,148,233	\$2,051,256
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.58%	5.24%	6.65%	7.73%	2.34%	9.83%	8.59%
Prior Service	4.74%	0.98%	2.36%	5.94%	-0.29%	4.05%	2.77%
Full Retirement	14.32%	6.22%	9.01%	13.67%	2.05%	13.88%	11.36%
Supplemental Death Benefit	0.48%	0.26%	0.11%	0.00%	0.54%	0.72%	0.63%
Combined Contribution	14.80%	6.48%	9.12%	13.67%	2.59%	14.60%	11.99%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	7.50%	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	15.1 years	9.4 years	4.1 years	12.6 years	N/A	21.9 years	19.2 years
Number of Annuitants	61	32	0	1,154	6	24	20
Number of Active Contributing Members	70	47	1	1,477	20	22	38
Number of Inactive Members	49	34	0	718	19	22	30
Average age of Contributing Members	47.2 years	40.7 years	48.3 years	44.2 years	42.2 years	45.1 years	48.5 years
Average length of service of Contributing Members	7.7 years	11.6 years	22.8 years	11.4 years	8.5 years	9.6 years	7.3 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Wallis	Walnut Springs	Waskom	Watauga	Waxahachie	Weatherford	Webster
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$467,251	\$122,369	\$1,249,884	\$27,520,127	\$46,858,538	\$66,209,262	\$36,811,247
b. Noncontributing Members	227,566	0	772,007	9,629,437	5,719,535	11,098,791	10,660,973
c. Annuitants	682,697	72,385	1,519,004	25,515,039	38,640,522	66,698,497	31,295,315
2. Total Actuarial Accrued Liability	\$1,377,514	\$194,754	\$3,540,895	\$62,664,603	\$91,218,595	\$144,006,550	\$78,767,535
3. Actuarial Value of Assets	1,523,026	188,501	2,300,274	56,794,771	76,071,827	131,834,170	68,833,182
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$145,512)	\$6,253	\$1,240,621	\$5,869,832	\$15,146,768	\$12,172,380	\$9,934,353
5. Funded Ratio: (3) / (2)	110.6%	96.8%	65.0%	90.6%	83.4%	91.5%	87.4%
6. Annual payroll	\$752,189	\$100,346	\$728,580	\$9,826,165	\$20,773,255	\$24,337,535	\$13,095,045
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	2.88%	1.56%	9.53%	10.10%	10.24%	9.70%	11.90%
Prior Service	-0.75%	2.47%	13.76%	4.64%	5.65%	3.81%	5.18%
Full Retirement	2.13%	4.03%	23.29%	14.74%	15.89%	13.51%	17.08%
Supplemental Death Benefit	0.39%	0.37%	0.38%	0.32%	0.30%	0.33%	0.36%
Combined Contribution	2.52%	4.40%	23.67%	15.06%	16.19%	13.84%	17.44%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	8.50%	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	2.7 years	17.8 years	19.5 years	18.1 years	18.6 years	21.9 years
Number of Annuitants	8	3	12	130	149	255	123
Number of Active Contributing Members	14	2	15	143	317	364	169
Number of Inactive Members	18	0	14	175	67	219	124
Average age of Contributing Members	46.8 years	52.8 years	42.6 years	42.6 years	41.9 years	41.1 years	43.1 years
Average length of service of Contributing Members	5.9 years	12.2 years	8.2 years	12.3 years	10.1 years	10.4 years	11.7 years

	Weimar	Wellington	Wells	Weslaco	West	West Columbia	West Lake Hills
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,879,404	\$1,575,981	\$74,448	\$21,575,321	\$1,308,649	\$2,717,697	\$2,242,792
b. Noncontributing Members	468,333	12,350	43,208	5,433,760	190,425	160,737	2,983,555
c. Annuitants	4,876,752	1,891,311	201,084	22,510,391	1,250,696	2,269,472	5,622,460
2. Total Actuarial Accrued Liability	\$9,224,489	\$3,479,642	\$318,740	\$49,519,472	\$2,749,770	\$5,147,906	\$10,848,807
3. Actuarial Value of Assets	8,717,475	3,750,511	364,472	46,456,424	2,796,701	5,844,265	9,543,181
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$507,014	(\$270,869)	(\$45,732)	\$3,063,048	(\$46,931)	(\$696,359)	\$1,305,626
5. Funded Ratio: (3) / (2)	94.5%	107.8%	114.3%	93.8%	101.7%	113.5%	88.0%
6. Annual payroll	\$1,458,642	\$492,856	\$306,666	\$12,604,050	\$931,428	\$1,798,629	\$2,074,996
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.27%	4.89%	3.94%	4.98%	5.13%	5.29%	11.49%
Prior Service	3.87%	-2.14%	-0.58%	2.51%	-0.20%	-1.51%	4.59%
Full Retirement	13.14%	2.75%	3.36%	7.49%	4.93%	3.78%	16.08%
Supplemental Death Benefit	0.56%	0.79%	0.00%	0.36%	0.44%	0.00%	0.44%
Combined Contribution	13.70%	3.54%	3.36%	7.85%	5.37%	3.78%	16.52%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	7.50%	N/A	11.50%	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	11.2 years	N/A	N/A	13.1 years	N/A	N/A	22.0 years
Number of Annuitants	30	13	2	174	11	22	34
Number of Active Contributing Members	28	11	8	270	19	34	26
Number of Inactive Members	14	6	3	177	12	38	33
Average age of Contributing Members	46.3 years	51.1 years	44.4 years	42.6 years	45.8 years	42.6 years	43.4 years
Average length of service of Contributing Members	12.6 years	14.6 years	3.5 years	9.0 years	10.0 years	7.5 years	8.2 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	West Orange	West Tawakoni	West Univ. Place	Westlake	Westover Hills	Westworth Village	Wharton
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$5,987,706	\$620,857	\$21,765,921	\$7,723,430	\$991,805	\$3,333,100	\$7,613,382
b. Noncontributing Members	1,475,420	133,845	9,596,116	1,538,685	512,828	1,837,960	3,150,594
c. Annuitants	<u>4,920,355</u>	<u>659,024</u>	<u>27,809,611</u>	<u>2,704,644</u>	<u>1,056,010</u>	<u>2,376,270</u>	<u>8,957,735</u>
2. Total Actuarial Accrued Liability	\$12,383,481	\$1,413,726	\$59,171,648	\$11,966,759	\$2,560,643	\$7,547,330	\$19,721,711
3. Actuarial Value of Assets	<u>10,750,432</u>	<u>1,455,504</u>	<u>53,118,231</u>	<u>10,290,399</u>	<u>2,508,504</u>	<u>7,420,248</u>	<u>19,426,113</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$1,633,049	(\$41,778)	\$6,053,417	\$1,676,360	\$52,139	\$127,082	\$295,598
5. Funded Ratio: (3) / (2)	86.8%	103.0%	89.8%	86.0%	98.0%	98.3%	98.5%
6. Annual payroll	\$1,545,580	\$405,361	\$11,083,928	\$4,532,191	\$1,450,580	\$2,282,085	\$5,839,071
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	9.96%	5.45%	8.86%	9.25%	5.38%	10.01%	4.57%
Prior Service	<u>9.05%</u>	<u>-0.40%</u>	<u>3.66%</u>	<u>2.62%</u>	<u>0.25%</u>	<u>0.39%</u>	<u>0.37%</u>
Full Retirement	19.01%	5.05%	12.52%	11.87%	5.63%	10.40%	4.94%
Supplemental Death Benefit	<u>0.00%</u>	<u>0.51%</u>	<u>0.36%</u>	<u>0.21%</u>	<u>0.60%</u>	<u>0.35%</u>	<u>0.39%</u>
Combined Contribution	19.01%	5.56%	12.88%	12.08%	6.23%	10.75%	5.33%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	13.50%	13.50%	9.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	16.7 years	N/A	22.6 years	20.7 years	21.5 years	21.3 years	19.9 years
Number of Annuitants	18	13	123	18	24	28	52
Number of Active Contributing Members	24	10	131	48	22	36	97
Number of Inactive Members	18	24	121	31	17	60	79
Average age of Contributing Members	51.6 years	46.7 years	42.7 years	43.0 years	41.5 years	42.8 years	43.3 years
Average length of service of Contributing Members	13.0 years	5.6 years	11.7 years	11.2 years	9.6 years	9.8 years	10.2 years

	Wheeler	White Deer	White Oak	White Settlement	Whiteface	Whitehouse	Whitesboro
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$394,323	\$262,255	\$8,066,248	\$15,270,009	\$486,919	\$3,538,551	\$4,623,514
b. Noncontributing Members	70,435	226,536	617,103	5,617,168	292,851	1,528,616	1,028,695
c. Annuitants	<u>1,008,687</u>	<u>299,305</u>	<u>6,693,881</u>	<u>19,658,466</u>	<u>12,708</u>	<u>1,485,978</u>	<u>2,725,080</u>
2. Total Actuarial Accrued Liability	\$1,473,445	\$788,096	\$15,377,232	\$40,545,643	\$792,478	\$6,553,145	\$8,377,289
3. Actuarial Value of Assets	<u>1,378,686</u>	<u>593,317</u>	<u>14,469,157</u>	<u>33,049,450</u>	<u>928,429</u>	<u>6,242,757</u>	<u>8,273,913</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$94,759	\$194,779	\$908,075	\$7,496,193	(\$135,951)	\$310,388	\$103,376
5. Funded Ratio: (3) / (2)	93.6%	75.3%	94.1%	81.5%	117.2%	95.3%	98.8%
6. Annual payroll	\$292,855	\$280,291	\$2,312,018	\$7,427,029	\$158,147	\$2,243,549	\$2,337,634
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.91%	4.00%	11.18%	9.42%	5.99%	7.00%	5.16%
Prior Service	<u>3.47%</u>	<u>6.59%</u>	<u>2.76%</u>	<u>7.54%</u>	<u>-3.35%</u>	<u>0.98%</u>	<u>0.37%</u>
Full Retirement	10.38%	10.59%	13.94%	16.96%	2.64%	7.98%	5.53%
Supplemental Death Benefit	<u>0.33%</u>	<u>1.41%</u>	<u>0.49%</u>	<u>0.32%</u>	<u>1.58%</u>	<u>0.34%</u>	<u>0.38%</u>
Combined Contribution	10.71%	12.00%	14.43%	17.28%	4.22%	8.32%	5.91%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	11.50%	9.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	11.7 years	14.9 years	21.3 years	19.1 years	N/A	20.9 years	16.2 years
Number of Annuitants	3	6	36	110	1	21	32
Number of Active Contributing Members	7	6	40	120	3	48	48
Number of Inactive Members	2	8	20	170	2	47	39
Average age of Contributing Members	43.3 years	56.9 years	46.1 years	40.7 years	56.2 years	40.4 years	47.5 years
Average length of service of Contributing Members	7.4 years	7.0 years	15.2 years	8.5 years	18.1 years	11.8 years	10.9 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Whitewright	Whitney	Wichita Falls	Willis	Willow Park	Wills Point	Wilmer
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$447,366	\$669,134	\$140,341,610	\$3,856,103	\$1,884,229	\$726,340	\$3,004,295
b. Noncontributing Members	480,852	350,441	15,430,550	1,402,624	808,135	1,425,129	780,186
c. Annuitants	483,728	347,154	160,214,537	2,239,939	673,811	3,176,217	1,126,091
2. Total Actuarial Accrued Liability	\$1,411,946	\$1,366,729	\$315,986,697	\$7,498,666	\$3,366,175	\$5,327,686	\$4,910,572
3. Actuarial Value of Assets	1,609,156	1,430,739	266,359,238	7,280,715	3,172,485	4,742,199	5,120,019
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$197,210)	(\$64,010)	\$49,627,459	\$217,951	\$193,690	\$585,487	(\$209,447)
5. Funded Ratio: (3) / (2)	114.0%	104.7%	84.3%	97.1%	94.2%	89.0%	104.3%
6. Annual payroll	\$790,400	\$856,804	\$48,910,228	\$2,571,975	\$2,735,032	\$1,190,318	\$3,355,250
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	3.64%	3.37%	6.89%	7.86%	6.37%	5.89%	5.49%
Prior Service	-0.97%	-0.29%	9.29%	0.61%	0.54%	4.54%	-0.24%
Full Retirement	2.67%	3.08%	16.18%	8.47%	6.91%	10.43%	5.25%
Supplemental Death Benefit	0.36%	0.36%	0.00%	0.39%	0.24%	0.46%	0.18%
Combined Contribution	3.03%	3.44%	16.18%	8.86%	7.15%	10.89%	5.43%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	7.50%	N/A	13.50%	N/A	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	N/A	N/A	14.4 years	20.0 years	18.7 years	15.2 years	N/A
Number of Annuitants	10	13	726	23	18	24	28
Number of Active Contributing Members	19	19	980	40	45	30	66
Number of Inactive Members	42	28	517	44	29	50	73
Average age of Contributing Members	39.5 years	46.0 years	44.9 years	45.6 years	40.0 years	38.2 years	38.8 years
Average length of service of Contributing Members	6.1 years	11.3 years	11.3 years	10.0 years	8.4 years	3.9 years	8.2 years

	Wimberley	Windcrest	Winfield	Wink	Winnsboro	Winona	Winters
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$194,505	\$3,383,639	\$70,717	\$685,356	\$2,699,838	\$152,888	\$457,862
b. Noncontributing Members	383,140	2,353,074	22,372	228,824	768,019	137,585	228,729
c. Annuitants	46,983	6,262,821	0	235,163	3,203,956	289,280	2,567,421
2. Total Actuarial Accrued Liability	\$624,628	\$11,999,534	\$93,089	\$1,149,343	\$6,671,813	\$579,753	\$3,254,012
3. Actuarial Value of Assets	568,740	11,787,008	100,809	1,199,524	5,971,987	852,455	3,327,882
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$55,888	\$212,526	(\$7,720)	(\$50,181)	\$699,826	(\$272,702)	(\$73,870)
5. Funded Ratio: (3) / (2)	91.1%	98.2%	108.3%	104.4%	89.5%	147.0%	102.3%
6. Annual payroll	\$518,510	\$4,156,587	\$78,851	\$614,631	\$1,950,759	\$207,222	\$581,448
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	4.54%	6.54%	2.90%	6.33%	6.33%	11.47%	7.64%
Prior Service	1.57%	0.35%	-0.38%	-0.32%	2.52%	-5.12%	-0.49%
Full Retirement	6.11%	6.89%	2.52%	6.01%	8.85%	6.35%	7.15%
Supplemental Death Benefit	0.44%	0.31%	0.55%	0.52%	0.39%	0.57%	1.00%
Combined Contribution	6.55%	7.20%	3.07%	6.53%	9.24%	6.92%	8.15%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	5.60%	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	10.50%	N/A	N/A	11.50%	13.50%	11.50%
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	8.1 years	22.0 years	N/A	N/A	20.9 years	N/A	N/A
Number of Annuitants	5	65	0	3	31	2	20
Number of Active Contributing Members	11	73	2	11	38	6	15
Number of Inactive Members	15	61	1	5	38	6	12
Average age of Contributing Members	41.4 years	41.3 years	60.9 years	45.0 years	43.9 years	51.0 years	41.8 years
Average length of service of Contributing Members	5.3 years	6.1 years	19.0 years	6.8 years	9.0 years	2.8 years	4.9 years

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2021

	Wolfforth	Woodcreek	Woodsboro	Woodville	Woodway	Wortham	Wylie
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,977,803	\$124,389	\$390,542	\$5,622,064	\$18,359,889	\$492,596	\$60,220,846
b. Noncontributing Members	113,718	2,141	23,749	451,816	2,525,010	56,248	10,996,493
c. Annuitants	<u>2,597,320</u>	<u>60,350</u>	<u>295,989</u>	<u>3,742,166</u>	<u>13,492,612</u>	<u>321,984</u>	<u>28,967,996</u>
2. Total Actuarial Accrued Liability	\$5,688,841	\$186,880	\$710,280	\$9,816,046	\$34,377,511	\$870,828	\$100,185,335
3. Actuarial Value of Assets	<u>4,458,074</u>	<u>203,440</u>	<u>975,674</u>	<u>8,729,192</u>	<u>29,594,009</u>	<u>920,396</u>	<u>85,152,628</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$1,230,767	(\$16,560)	(\$265,394)	\$1,086,854	\$4,783,502	(\$49,568)	\$15,032,707
5. Funded Ratio: (3) / (2)	78.4%	108.9%	137.4%	88.9%	86.1%	105.7%	85.0%
6. Annual payroll	\$2,214,068	\$196,486	\$515,820	\$1,610,354	\$6,183,613	\$348,513	\$25,304,190
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	6.94%	9.48%	3.85%	10.03%	9.61%	6.70%	10.91%
Prior Service	<u>3.96%</u>	<u>-0.33%</u>	<u>-2.00%</u>	<u>6.76%</u>	<u>7.62%</u>	<u>-0.55%</u>	<u>4.05%</u>
Full Retirement	10.90%	9.15%	1.85%	16.79%	17.23%	6.15%	14.96%
Supplemental Death Benefit	<u>0.22%</u>	<u>0.59%</u>	<u>0.26%</u>	<u>0.47%</u>	<u>0.27%</u>	<u>0.17%</u>	<u>0.20%</u>
Combined Contribution	11.12%	9.74%	2.11%	17.26%	17.50%	6.32%	15.16%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	7.50%	N/A	N/A	12.50%	N/A
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	20.5 years	N/A	N/A	13.0 years	13.1 years	N/A	22.0 years
Number of Annuitants	9	2	4	16	47	5	122
Number of Active Contributing Members	46	4	10	32	87	7	352
Number of Inactive Members	22	1	4	9	62	7	217
Average age of Contributing Members	38.8 years	59.1 years	49.0 years	47.5 years	41.0 years	41.0 years	40.0 years
Average length of service of Contributing Members	6.4 years	7.6 years	13.4 years	12.5 years	10.9 years	8.2 years	9.7 years

	Yoakum	Yorktown	Zavalla				
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$15,159,970	\$736,434	\$205,479				
b. Noncontributing Members	1,570,397	106,936	170,596				
c. Annuitants	<u>14,767,564</u>	<u>626,262</u>	<u>248,680</u>				
2. Total Actuarial Accrued Liability	\$31,497,931	\$1,469,632	\$624,755				
3. Actuarial Value of Assets	<u>26,279,177</u>	<u>1,666,771</u>	<u>762,929</u>				
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$5,218,754	(\$197,139)	(\$138,174)				
5. Funded Ratio: (3) / (2)	83.4%	113.4%	122.1%				
6. Annual payroll	\$4,779,146	\$459,645	\$371,145				
CITY CONTRIBUTION RATES FOR 2023							
Retirement							
Normal Cost	7.66%	1.31%	3.57%				
Prior Service	<u>9.32%</u>	<u>-1.31%</u>	<u>-1.45%</u>				
Full Retirement	16.98%	0.00%	2.12%				
Supplemental Death Benefit	<u>0.49%</u>	<u>0.99%</u>	<u>0.00%</u>				
Combined Contribution	17.47%	0.99%	2.12%				
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A				
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	9.50%				
ADDITIONAL INFORMATION							
Equivalent single amortization period as of 1/2023	15.8 years	N/A	N/A				
Number of Annuitants	69	10	2				
Number of Active Contributing Members	86	10	10				
Number of Inactive Members	66	15	17				
Average age of Contributing Members	44.4 years	52.7 years	40.5 years				
Average length of service of Contributing Members	11.2 years	14.9 years	3.9 years				

TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION OF CITIES WITH NO ACTIVE MEMBERS - DECEMBER 31, 2021

	Burton	Covington	Crystal Beach	Floresville No. 1	Graham Regional Med Cntr	Roy H. Laird Mem Hospital	Santa Anna
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b. Noncontributing Members	32,327	8,156	0	0	6,549,408	4,332,223	0
c. Annuitants	<u>0</u>	<u>0</u>	<u>72,508</u>	<u>15,148</u>	<u>10,706,842</u>	<u>8,476,483</u>	<u>586</u>
2. Total Actuarial Accrued Liability	\$32,327	\$8,156	\$72,508	\$15,148	\$17,256,250	\$12,808,706	\$586
3. Actuarial Value of Assets	<u>32,282</u>	<u>10,798</u>	<u>517,689</u>	<u>56,410</u>	<u>19,280,104</u>	<u>12,536,317</u>	<u>756,777</u>
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	\$45	(\$2,642)	(\$445,181)	(\$41,262)	(\$2,023,854)	\$272,389	(\$756,191)
5. Funded Ratio: (3) / (2)	99.9%	132.4%	714.0%	372.4%	111.7%	97.9%	129142.8%
6. Annual payroll	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CITY CONTRIBUTION AMOUNT FOR 2023							
Amortization Period	16	N/A	N/A	N/A	N/A	6	N/A
Retirement Benefits	\$ 5	\$ -	\$ -	\$ -	\$ -	\$ 54,874	\$ -
Supplemental Death Benefit	-	-	-	-	13,666	11,157	-
Total Contribution Requirement	<u>\$ 5</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 13,666</u>	<u>\$ 66,031</u>	<u>\$ -</u>
ADDITIONAL INFORMATION							
Number of Annuitants	0	0	3	1	91	64	1
Number of Inactive Members	1	1	0	0	109	21	0

	Texhoma	Volente					
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$0	\$0					
b. Noncontributing Members	0	8,491					
c. Annuitants	<u>55,490</u>	<u>24,304</u>					
2. Total Actuarial Accrued Liability	\$55,490	\$32,795					
3. Actuarial Value of Assets	<u>63,262</u>	<u>42,401</u>					
4. Unfunded/(Overfunded) Actuarial Accrued Liability: (2) - (3)	(\$7,772)	(\$9,606)					
5. Funded Ratio: (3) / (2)	114.0%	129.3%					
6. Annual payroll	\$0	\$0					
CITY CONTRIBUTION AMOUNT FOR 2023							
Amortization Period	N/A	N/A					
Retirement Benefits	\$ -	\$ -					
Supplemental Death Benefit	426	50					
Total Contribution Requirement	<u>\$ 426</u>	<u>\$ 50</u>					
ADDITIONAL INFORMATION							
Number of Annuitants	2	1					
Number of Inactive Members	0	1					