

# Texas Municipal Retirement System

Actuarial Valuation Report  
as of December 31, 2020





May 27, 2021

Board of Trustees  
Texas Municipal Retirement System  
Austin, Texas 78701

Dear Trustees:

**Subject: Actuarial Valuation Report (“Report”) of the Texas Municipal Retirement System (“TMRS”) as of December 31, 2020**

This is the December 31, 2020 actuarial valuation of the Texas Municipal Retirement System (“TMRS” or the “System”) that determines the contribution rates for the calendar year beginning January 1, 2022. This Report describes the current actuarial condition of TMRS, determines recommended TMRS participating 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 895 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 31<sup>st</sup>, the last day of the plan year.

The participating cities’ contribution rates are certified annually by the Board of Trustees (“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, 2020 actuarial valuation will be applicable for the calendar year beginning January 1, 2022 and ending December 31, 2022.

### **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 rate is determined annually for each participating city, if applicable. These supplemental death benefit rates are listed in Section 5 of the 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 valuation 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 89.5% and increased from 88.0% 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 7.01% which is greater than the assumed rate of 6.75%, positive amortization on a system-wide basis, contributions greater than actuarially calculated as well as the upcoming COLA being less than assumed. (Please note that each city is responsible for its own assets and liabilities and has its own funded ratio.) On a market value of assets basis, the funded ratio of TMRS as a whole is 91.3% compared to 89.4% 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, 2021. In addition to the 886 plans that are actively participating in TMRS, there are another nine (9) plans that are in inactive status. No new plan provisions occurred during 2020 that impacted the valuation results, other than individual changes adopted by the various cities.

Of the 886 active cities, 592 (67%) have adopted annually repeating updated service credits. In addition, 463 (52%) of the cities have adopted annually repeating annuity increases.

However, the larger participating cities have almost all adopted annually repeating benefits. Therefore, of the 114,497 actively contributing Members, 91% are covered under an annually repeating updated



service credit benefit structure and 71% are covered under an annually repeating annuity increase structure.

Seven cities began participation in the System during 2020. Exhibit VI in Section 1 of the Report shows these cities, the number of contributing Members, total payroll, and the 2022 retirement rates.

There were 44 cities which modified their pension benefit provisions since the prior valuation. Of these cities, 42 adopted changes which increased benefits, and 2 cities adopted changes which decreased benefits. A summary of these changes is provided in Section 7 of the Report, and the impact on each city's calculated retirement rate is shown in Section 3. The aggregate benefit changes and seven new cities increased the overall liability of the System by \$56.9 million.

### **Assumptions and methods**

All actuarial assumptions and methods are described under Section 6 of the 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. There have been no 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 the Report are intended to provide information for rational decision making. The actuarial assumptions and methods used in the 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**

TMRS staff supplied data for retired, active and inactive Members as of December 31, 2020. 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, 2020.





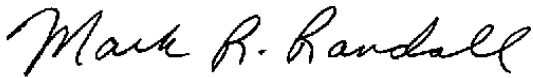
**Actuarial Certification**

This Report is a summary of the actuarial valuation results. Additional detailed results are provided in the TMRS Comprehensive Annual 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 all are 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**



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Chief Executive Officer



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# SECTION 1

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## EXECUTIVE SUMMARY

## Executive Summary Pension Trust

Item	2020	2019
<b>Membership</b>		
• Member cities	895	888
• Number of		
- Active members	114,497	114,384
- Retirees and beneficiaries	73,102	69,625
- Inactive members	<u>68,679</u>	<u>65,560</u>
- Total	256,278	249,569
• Valuation Payroll (Projected next year)	\$ 7.283 billion	\$ 6.985 billion
• Prior Year Payroll	\$ 7.161 billion	\$ 6.791 billion
<b>Minimum Contribution Rates</b>	FY 2022	FY 2021
• Straight average	8.90%	9.06%
• Dollar weighted average	13.32%	13.65%
<b>Assets</b>		
• Market value	\$ 34.283 billion	\$ 31.814 billion
• Estimated yield on market value	7.5%	15.4%
• Member contributions	\$ 479.2 million	\$ 453.6 million
• City contributions	1,191.7 million	930.2 million
• Benefit, refund, and expense payments	1,616.3 million	1,533.2 million
• Net external cash flow	54.6 million	(149.4) million
<b>Actuarial Information - Pension Trust</b>		
• Actuarial accrued liability (AAL)	\$ 37.536 billion	\$ 35.585 billion
• Unfunded actuarial accrued liability (UAAL)	\$ 3.926 billion	\$ 4.271 billion
• UAAL as % of pay	54.8%	62.9%
• Funded ratio	89.5%	88.0%
• Employer normal cost % - Aggregate	8.79%	8.72%
• Actuarially Determined Employer Contribution -	13.32%	13.65%
• Equivalent Single Amortization Period	16.2 years	17.2 years
<b>Number of Member Cities with:</b>		
• Increase in Full Rate	286	413
• Decrease in Full Rate	568	439
• No change in Full Rate	24	25
• New cities	7	1
• Benefit changes (retirement only)	44	62
<b>Changes in the UAAL</b>		
• Interest	\$ 288.3 million	\$ 293.4 million
• Amortization payments	(352.3) million	(340.1) million
• Asset experience	(81.0) million	(55.6) million
• Assumption/Methods changes	0.0 million	85.1 million
• Liability experience	(15.8) million	(3.5) million
• Benefit modifications/New Cities	56.9 million	(35.1) million
• Contributions different than actuarially calculated	(240.9) million	(19.5) million
• Total	<u>\$ (344.8) million</u>	<u>\$ (75.3) million</u>

## Executive Summary Supplemental Death Trust

Item	2020	2019
<b>Membership (TMRS Active Cities)</b>		
• Cities with only active coverage	4	3
- Number of members with active only coverage	794	453
- Valuation Payroll (Projected next year)	\$ 58.623 million	\$ 33.301 million
- Prior Year Payroll	\$ 56.774 million	\$ 32.389 million
• Cities with active and retiree coverage	773	763
- Number of members covered		
- Active members	77,086	76,500
- Retirees	33,723	32,039
- Inactive members	<u>10,409</u>	<u>9,957</u>
- Total	121,218	118,496
- Valuation Payroll (Projected next year)	\$ 4.885 billion	\$ 4.648 billion
- Prior Year Payroll	\$ 4.830 billion	\$ 4.527 billion
<b>Average Contribution Rates For Participating Cities</b>		
	FY 2022	FY 2021
• Straight Average		
- Active coverage	0.12%	0.12%
- Retiree coverage	0.16%	0.16%
• Dollar Weighted Average		
- Active coverage	0.10%	0.10%
- Retiree coverage	0.11%	0.12%
<b>Actuarial Information - OPEB</b>		
• Actuarial accrued liability (AAL)	\$ 193.3 million	\$ 185.9 million
• Fund Value of Assets	<u>12.6 million</u>	<u>14.1 million</u>
• Unfunded actuarial accrued liability (UAAL)	\$ 180.7 million	\$ 171.8 million
• UAAL as % of pay	3.7%	3.8%
• Funded ratio	6.5%	7.6%

**Exhibit I**  
**Summary of Systemwide Actuarial Valuation Results**

	<u>December 31, 2020</u>	<u>December 31, 2019</u>
<u>I. Valuation Results for Participating Cities</u>		
1. Actuarial accrued liability (AAL)		
a. Contributing Members	\$ 17,853,463,679	\$ 17,105,734,827
b. Noncontributing Members	3,173,641,928	3,011,206,330
c. Annuitants	<u>16,508,416,276</u>	<u>15,467,547,832</u>
d. Total AAL	\$ 37,535,521,883	\$ 35,584,488,989
2. Actuarial value of assets (AVA)		
a. Benefit Accumulation Fund (Smoothed)	\$ 33,184,705,011	\$ 30,946,277,182
b. Interest Reserve Account	385,283,600	337,766,129
c. Perpetual Endowment	26,595,917	24,261,288
d. Expense Fund	<u>12,687,275</u>	<u>5,152,398</u>
e. Total AVA	\$ 33,609,271,803	\$ 31,313,456,997
3. Total unfunded actuarial accrued liability (UAAL) [1d - 2e]	\$ 3,926,250,080	\$ 4,271,031,992
4. Funded Ratio [2 / 1]	89.5%	88.0%
<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	\$ 346,885	\$ 390,393
2. Actuarial value of assets of the Supplemental Disability Benefits Fund	<u>\$ 311,327</u>	<u>\$ 348,960</u>
3. Unfunded/(overfunded) actuarial accrued liability [UAAL/(OAAL)] in Supplemental Disability Benefits Fund [1 - 2]	\$ 35,558	\$ 41,433
4. Funded Ratio [2 / 1]	89.7%	89.4%

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

	Valuation of	
	December 31, 2020	December 31, 2019
1. Market value of assets at beginning of year	\$ 31,813,811,275	\$ 27,683,629,439
2. Revenue for the year		
a. Contributions		
i. Member	\$ 479,187,524	\$ 453,608,174
ii. City	1,191,723,159	930,236,155
iii. Total Contributions	\$ 1,670,910,683	\$ 1,383,844,329
b. Net investment income		
i. Interest and dividends	\$ 446,821,348	\$ 564,325,566
ii. Net apprec/(deprec) in fair value of investmen	2,011,287,939	3,757,666,033
iii. Net securities lending income	-	-
iv. Investment expenses	(43,649,230)	(42,506,302)
v. Net investment income	\$ 2,414,460,057	\$ 4,279,485,297
c. Miscellaneous	\$ 47,400	\$ 32,880
d. Total revenue	\$ 4,085,418,140	\$ 5,663,362,506
3. Expenditures for the year		
a. Benefit payments		
i. Retirement benefits	\$ (1,335,234,201)	\$ (1,247,542,653)
ii. Disability benefits	(17,178,149)	(17,080,384)
iii. Partial lump sum payments	(191,627,456)	(180,929,339)
iv. Total benefit payments	\$ (1,544,039,806)	\$ (1,445,552,376)
b. Refund of contributions	\$ (56,013,543)	\$ (62,685,940)
c. Administrative expenses	(15,625,982)	(24,183,038)
d. Allocation to supplemental death benefits fund	(657,050)	(759,316)
e. Total expenditures	\$ (1,616,336,381)	\$ (1,533,180,670)
4. Increase in net assets (Item 2d + Item 3e)	\$ 2,469,081,759	\$ 4,130,181,836
5. Market value of assets at end of year (Item 1 + Item 4)	\$ 34,282,893,034	\$ 31,813,811,275

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

	Year Ending December 31, 2020					
1. Actuarial value of assets at January 1	\$ 30,946,277,182					
2. Net external cash flow						
a. City and member contributions	\$ 1,669,297,569					
b. Benefits and refunds paid	(1,600,728,566)					
c. Subtotal	\$ 68,569,003					
3. Assumed rate of investment return for 2020	6.75%					
4. Expected investment return for 2020 (Item 1 x Item 3)	\$ 2,088,873,710					
5. Expected actuarial value of assets at December 31 (Item 1+ Item 2c + Item 4)	\$ 33,103,719,895					
6. Market value of assets at December 31	\$ 33,858,014,915					
7. Difference (Item 6 - Item 5)	\$ 754,295,020					
8. Development of amounts to be recognized at December 31, 2020:						
Remaining Deferrals						
Fiscal Year End	of Excess (Shortfall) of Investment Income	Offsetting of Gains/(Losses)	Net Deferrals Remaining	Years Remaining	Recognized for this valuation	Remaining after this valuation
	(1)	(2)	(3) = (1) + (2)	(4)	(5) = (3) / (4)	(6) = (3) - (5)
2015	\$ 0	\$ 0	\$ 0	5	\$ 0	\$ 0
2016	0	0	0	6	0	0
2017	0	0	0	7	0	0
2018	0	0	0	8	0	0
2019	500,005,318	0	500,005,318	9	55,556,146	444,449,172
2020	254,289,702	0	254,289,702	10	25,428,970	228,860,732
Total	\$ 754,295,020	\$ 0	\$ 754,295,020		\$ 80,985,116	\$ 673,309,904
9. Preliminary Actuarial value of assets at December 31 (Item 6 - Item 8)	\$ 33,184,705,011					
10. Corridor Limits						
a. 88% of market value	\$ 29,795,053,125					
b. 112% of market value	37,920,976,705					
c. 33% adjustment back to corridor limits (if applicable)	-					
11. Final actuarial value of assets at December 31 (Item 9 + Item 10c)	\$ <b>33,184,705,011</b>					
12. Asset gain (loss) for year (Item 11 - Item 5)	\$ 80,985,116					
13. Return on the Actuarial Value of Assets	7.01%					
14. Ratio of actuarial value to market value	98.0%					

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 in 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 2021 TO 2022,  
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		
	2021	2022	2021	2022	
Abilene	7.63%	7.68%	3.34%	2.99%	-0.30%
Allen	10.68%	10.71%	3.70%	3.45%	-0.22%
Amarillo	7.37%	7.37%	4.95%	4.48%	-0.47%
Arlington	9.56%	9.58%	7.26%	0.59%	-6.65%
Baytown	10.15%	10.17%	7.52%	7.12%	-0.38%
Beaumont	9.92%	9.95%	9.92%	9.24%	-0.65%
Brownsville	10.77%	10.84%	6.23%	6.06%	-0.10%
Brownsville PUB	10.25%	10.32%	7.32%	6.87%	-0.38%
Bryan	9.05%	9.08%	6.33%	0.10%	-6.20%
Carrollton	8.43%	8.42%	3.41%	2.41%	-1.01%
College Station	8.57%	8.57%	4.73%	4.51%	-0.22%
Corpus Christi	8.61%	8.56%	9.34%	8.46%	-0.93%
Del Rio	3.41%	3.41%	3.79%	3.69%	-0.10%
Denton	10.37%	10.43%	7.24%	7.04%	-0.14%
Edinburg	8.67%	8.80%	5.81%	5.66%	-0.02%
Flower Mound	8.07%	8.00%	3.22%	3.19%	-0.10%
Frisco	11.48%	11.47%	2.96%	2.78%	-0.19%
Garland	8.59%	8.61%	2.60%	2.72%	0.14%
Georgetown	9.42%	9.42%	3.03%	3.06%	0.03%
Grand Prairie	11.00%	11.07%	6.24%	5.96%	-0.21%
Grapevine	11.72%	11.72%	7.10%	6.82%	-0.28%
Irving	9.71%	9.73%	5.00%	4.59%	-0.39%
Killeen	7.47%	7.48%	7.01%	7.29%	0.29%
Laredo	10.29%	10.30%	10.74%	10.22%	-0.51%
League City	9.64%	9.67%	5.04%	4.71%	-0.30%
Lewisville	10.45%	10.46%	6.26%	5.89%	-0.36%
Longview	7.42%	7.36%	3.78%	3.66%	-0.18%
Lubbock	10.01%	10.00%	7.46%	6.66%	-0.81%
McAllen	4.47%	4.57%	3.72%	3.56%	-0.06%
McKinney	11.48%	11.48%	3.45%	3.54%	0.09%
Mesquite	8.42%	8.39%	9.66%	9.29%	-0.40%
Midland	8.25%	8.16%	6.28%	6.08%	-0.29%
Mission	6.71%	6.74%	2.04%	2.01%	0.00%
New Braunfels	11.11%	11.19%	5.81%	5.86%	0.13%
North Richland Hills	11.32%	11.31%	5.51%	5.50%	-0.02%
Odessa	8.19%	8.26%	5.68%	5.44%	-0.17%
Pasadena	9.50%	9.52%	3.74%	4.17%	0.45%
Pearland	9.88%	9.86%	3.22%	3.08%	-0.16%
Pharr	5.09%	5.09%	2.38%	2.23%	-0.15%
Plano	11.50%	11.55%	5.18%	4.80%	-0.33%
Port Arthur	7.22%	7.26%	6.70%	6.39%	-0.27%
Richardson	7.98%	8.00%	6.82%	6.07%	-0.73%
Round Rock	10.99%	11.01%	4.85%	4.93%	0.10%
San Angelo	8.18%	8.20%	9.15%	8.81%	-0.32%
San Antonio	7.05%	7.03%	5.30%	5.14%	-0.18%
San Antonio Water System	2.11%	2.10%	1.63%	1.54%	-0.10%
San Marcos	10.67%	11.01%	7.32%	7.24%	0.26%
Sugar Land	10.84%	10.80%	3.59%	3.55%	-0.08%
Temple	10.47%	10.75%	6.58%	5.98%	-0.32%
Tyler	9.42%	9.44%	11.63%	11.20%	-0.41%
Victoria	7.66%	7.69%	8.66%	8.02%	-0.61%
Waco	7.70%	7.72%	6.99%	6.62%	-0.35%
Wichita Falls	6.91%	6.89%	9.66%	9.53%	-0.15%
Average - 53 Cities	8.90%	8.93%	5.79%	5.30%	-0.47%



## EXHIBIT V

### TEXAS MUNICIPAL RETIREMENT SYSTEM

CITIES WITH THE 2022 RETIREMENT RATE (INCLUDING PHASE-IN, IF APPLICABLE)  
AT THE STATUTORY MAXIMUM, BASED ON THE DECEMBER 31, 2020 VALUATION

CITY NAME	<u>2021 RETIREMENT PLAN ONLY</u>		<u>2022 RETIREMENT PLAN ONLY</u>		RATE LIMITED TO STATUTORY MAXIMUM
	FULL RATE	PHASE IN MINIMUM	FULL RATE	PHASE IN MINIMUM	
Little Elm	13.42%	13.42%	13.76%	13.76%	13.50%
Parker	13.23%	13.23%	13.65%	13.65%	13.50%

## EXHIBIT VI

### TEXAS MUNICIPAL RETIREMENT SYSTEM

#### CITIES BEGINNING PARTICIPATION IN 2020

CITY NUMBER	CITY NAME	PARTICIPATION DATE	CONTRIBUTING MEMBERS	ANNUAL COMPENSATION	NORMAL COST	PRIOR SERVICE	TOTAL
00205	Byers	10-20	3	\$ 86,624	2.38%	4.23%	6.61%
00307	Cottonwood Shores	10-20	15	\$ 824,219	2.02%	1.52%	3.54%
00315	Creedmoor	10-20	3	\$ 160,039	2.69%	2.80%	5.49%
00437	Escobares	02-20	3	\$ 87,660	1.63%	3.79%	5.42%
00465	Follett	10-20	4	\$ 205,722	1.29%	7.86%	9.15%
00689	Kempner	11-20	4	\$ 132,631	1.72%	0.04%	1.76%
01300	Tuscola	09-20	4	\$ 123,400	2.01%	3.66%	5.67%

## SECTION 2

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### **2022 CONTRIBUTION RATES, INCLUDING A COMPARISON WITH 2021 RATES**

**SECTION 2**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2020**

CITY NUMBER	CITY NAME	Contributing Members LAST YEAR THIS YEAR		2021 RATES					2022 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			
4	Abernathy	17	16	2.62%	1.08%	3.70%	0.20%	3.90%	2.75%	0.90%	3.65%	0.22%	3.87%	-0.03%	3.87%	7.50%
6	Abilene	1,043	1,047	7.63%	3.34%	10.97%	0.36%	11.33%	7.68%	2.99%	10.67%	0.34%	11.01%	-0.32%	11.01%	NO MAX
7	Addison	270	278	8.57%	2.81%	11.38%	0.18%	11.56%	8.77%	2.82%	11.59%	0.19%	11.78%	0.22%	11.78%	15.50%
8	Agua Dulce	3	3	2.13%	5.51%	7.64%	0.14%	7.78%	2.15%	6.73%	8.88%	0.16%	9.04%	1.26%	9.04%	NO MAX
10	Alamo	143	139	4.87%	1.33%	6.20%	0.20%	6.40%	4.98%	1.04%	6.02%	0.22%	6.24%	-0.16%	6.24%	9.50%
12	Alamo Heights	97	96	9.69%	6.78%	16.47%	0.24%	16.71%	9.83%	6.74%	16.57%	0.27%	16.84%	0.13%	16.84%	NO MAX
14	Alba	5	5	4.58%	9.18%	13.76%	0.15%	13.91%	4.58%	9.17%	13.75%	0.16%	13.91%	0.00%	13.91%	NO MAX
16	Albany	17	15	4.07%	1.43%	5.50%	0.45%	5.95%	3.79%	0.73%	4.52%	0.39%	4.91%	-1.04%	4.91%	9.50%
17	Aledo	14	14	10.19%	3.60%	13.79%	0.27%	14.06%	10.32%	3.84%	14.16%	0.28%	14.44%	0.38%	14.44%	NO MAX
18	Alice	202	203	5.13%	-0.55%	4.58%	0.00%	4.58%	5.20%	-0.99%	4.21%	0.00%	4.21%	-0.37%	4.21%	11.50%
19	Allen	774	767	10.68%	3.70%	14.38%	0.13%	14.51%	10.71%	3.45%	14.16%	0.14%	14.30%	-0.21%	14.30%	NO MAX
20	Alpine	82	85	3.61%	-1.60%	2.01%	0.23%	2.24%	3.76%	-1.63%	2.13%	0.20%	2.33%	0.09%	2.33%	11.50%
22	Alto	13	12	10.75%	1.03%	11.78%	0.45%	12.23%	10.66%	-0.25%	10.41%	0.50%	10.91%	-1.32%	10.91%	13.50%
23	Alton	85	89	10.14%	0.96%	11.10%	0.14%	11.24%	10.33%	0.78%	11.11%	0.15%	11.26%	0.02%	11.26%	13.50%
24	Alvarado	61	60	4.58%	0.76%	5.34%	0.13%	5.47%	4.53%	0.83%	5.36%	0.14%	5.50%	0.03%	5.50%	NO MAX
26	Alvin	216	227	9.76%	7.57%	17.33%	0.21%	17.54%	9.79%	7.14%	16.93%	0.21%	17.14%	-0.40%	17.14%	NO MAX
28	Alvord	7	7	5.28%	0.34%	5.62%	0.50%	6.12%	5.14%	0.33%	5.47%	0.16%	5.63%	-0.49%	5.63%	NO MAX
30	Amarillo	1,825	1,770	7.37%	4.95%	12.32%	0.00%	12.32%	7.37%	4.48%	11.85%	0.00%	11.85%	-0.47%	11.85%	NO MAX
32	Amherst	5	5	4.07%	-4.07%	0.00%	0.00%	0.00%	4.11%	-3.89%	0.22%	0.00%	0.22%	0.22%	0.22%	NO MAX
34	Anahuac	10	11	7.20%	1.39%	8.59%	0.27%	8.86%	7.70%	-0.79%	6.91%	0.21%	7.12%	-1.74%	7.12%	NO MAX
36	Andrews	77	76	8.89%	7.29%	16.18%	0.00%	16.18%	8.81%	6.80%	15.61%	0.00%	15.61%	-0.57%	15.61%	NO MAX
38	Angleton	129	136	8.37%	3.68%	12.05%	0.23%	12.28%	8.35%	3.31%	11.66%	0.22%	11.88%	-0.40%	11.88%	NO MAX
40	Anna	89	99	12.49%	1.60%	14.09%	0.09%	14.18%	12.19%	1.38%	13.57%	0.09%	13.66%	-0.52%	13.66%	NO MAX
41	Annetta	2	2	8.72%	0.73%	9.45%	0.09%	9.54%	8.74%	1.59%	10.33%	0.09%	10.42%	0.88%	10.42%	NO MAX
44	Anson	25	27	2.45%	-0.38%	2.07%	0.28%	2.35%	2.29%	-0.81%	1.48%	0.20%	1.68%	-0.67%	1.68%	9.50%
45	Anthony	35	31	1.23%	1.65%	2.88%	0.13%	3.01%	1.21%	1.55%	2.76%	0.13%	2.89%	-0.12%	2.89%	NO MAX
48	Aransas Pass	110	117	7.42%	2.45%	9.87%	0.23%	10.10%	7.26%	2.26%	9.52%	0.22%	9.74%	-0.36%	9.74%	NO MAX
50	Archer City	18	18	3.46%	0.61%	4.07%	0.38%	4.45%	3.36%	0.66%	4.02%	0.40%	4.42%	-0.03%	4.42%	9.50%
49	Arcola	15	14	2.16%	1.77%	3.93%	0.14%	4.07%	2.09%	1.46%	3.55%	0.17%	3.72%	-0.35%	3.72%	NO MAX
51	Argyle	27	32	11.97%	0.91%	12.88%	0.00%	12.88%	11.27%	0.51%	11.78%	0.00%	11.78%	-1.10%	11.78%	NO MAX
52	Arlington	2,578	2,492	9.56%	7.26%	16.82%	0.19%	17.01%	9.58%	0.59%	10.17%	0.19%	10.36%	-6.65%	10.36%	NO MAX
54	Arp	10	8	3.84%	-0.05%	3.79%	0.21%	4.00%	4.01%	-0.06%	3.95%	0.26%	4.21%	0.21%	4.21%	9.50%
60	Aspermont	7	7	1.31%	-1.31%	0.00%	0.28%	0.28%	1.33%	-1.33%	0.00%	0.29%	0.29%	0.01%	0.29%	7.50%

**SECTION 2**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2020**

CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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							
62	Athens	116	124	9.16%	7.29%	16.45%	0.21%	16.66%	9.36%	6.92%	16.28%	0.20%	16.48%	-0.18%	16.48%	NO MAX
64	Atlanta	41	39	5.31%	1.66%	6.97%	0.26%	7.23%	5.33%	1.22%	6.55%	0.28%	6.83%	-0.40%	6.83%	9.50%
66	Aubrey	67	71	5.54%	0.10%	5.64%	0.11%	5.75%	5.53%	0.10%	5.63%	0.09%	5.72%	-0.03%	5.72%	13.50%
74	Avinger	2	2	2.74%	-0.61%	2.13%	0.15%	2.28%	3.49%	-1.01%	2.48%	0.20%	2.68%	0.40%	2.68%	9.50%
75	Azle	128	130	8.40%	3.78%	12.18%	0.19%	12.37%	8.47%	3.99%	12.46%	0.16%	12.62%	0.25%	12.62%	12.50%
77	Baird	11	11	1.76%	-0.63%	1.13%	0.16%	1.29%	1.65%	-0.66%	0.99%	0.17%	1.16%	-0.13%	1.16%	NO MAX
78	Balch Springs	176	168	9.22%	4.20%	13.42%	0.18%	13.60%	9.22%	4.26%	13.48%	0.16%	13.64%	0.04%	13.64%	NO MAX
79	Balcones Heights	52	49	8.65%	-0.82%	7.83%	0.25%	8.08%	8.80%	-0.87%	7.93%	0.27%	8.20%	0.12%	8.20%	NO MAX
80	Ballinger	35	30	6.66%	2.61%	9.27%	0.37%	9.64%	6.55%	3.54%	10.09%	0.42%	10.51%	0.87%	10.51%	11.50%
82	Balmorea	1	1	1.73%	-1.73%	0.00%	0.06%	0.06%	1.73%	-1.73%	0.00%	0.07%	0.07%	0.01%	0.07%	NO MAX
83	Bandera	19	20	11.59%	-0.28%	11.31%	0.57%	11.88%	11.51%	-0.34%	11.17%	0.57%	11.74%	-0.14%	11.74%	NO MAX
84	Bangs	12	13	10.74%	1.22%	11.96%	0.26%	12.22%	10.73%	-0.81%	9.92%	0.27%	10.19%	-2.03%	10.19%	NO MAX
90	Bartlett	12	17	8.29%	-1.31%	6.98%	0.44%	7.42%	7.96%	-1.21%	6.75%	0.28%	7.03%	-0.39%	7.03%	11.50%
91	Bartonville	7	8	7.14%	8.88%	16.02%	0.16%	16.18%	6.88%	7.91%	14.79%	0.14%	14.93%	-1.25%	14.93%	NO MAX
92	Bastrop	131	135	8.59%	2.88%	11.47%	0.17%	11.64%	8.36%	3.05%	11.41%	0.17%	11.58%	-0.06%	11.58%	12.50%
94	Bay City	157	161	5.71%	4.05%	9.76%	0.32%	10.08%	5.88%	3.45%	9.33%	0.30%	9.63%	-0.45%	9.63%	11.50%
93	Bayou Vista	7	7	3.27%	-0.61%	2.66%	0.20%	2.86%	3.10%	-0.59%	2.51%	0.20%	2.71%	-0.15%	2.71%	NO MAX
96	Baytown	855	869	10.15%	7.52%	17.67%	0.16%	17.83%	10.17%	7.12%	17.29%	0.16%	17.45%	-0.38%	17.45%	NO MAX
98	Beaumont	1,003	1,017	9.92%	9.92%	19.84%	0.00%	19.84%	9.95%	9.24%	19.19%	0.00%	19.19%	-0.65%	19.19%	NO MAX
100	Bedford	339	341	7.01%	8.51%	15.52%	0.09%	15.61%	7.12%	9.38%	16.50%	0.09%	16.59%	0.98%	16.59%	NO MAX
101	Bee Cave	46	48	7.99%	1.15%	9.14%	0.14%	9.28%	7.89%	1.32%	9.21%	0.13%	9.34%	0.06%	9.34%	13.50%
102	Beeville	101	97	3.41%	-2.15%	1.26%	0.00%	1.26%	3.39%	-2.10%	1.29%	0.00%	1.29%	0.03%	1.29%	11.50%
106	Bellaire	159	152	11.12%	9.02%	20.14%	0.24%	20.38%	11.11%	8.67%	19.78%	0.25%	20.03%	-0.35%	20.03%	NO MAX
109	Bellmead	74	74	8.73%	-0.80%	7.93%	0.21%	8.14%	9.56%	-1.09%	8.47%	0.23%	8.70%	0.56%	8.70%	12.50%
110	Bells	11	10	4.35%	-0.92%	3.43%	0.17%	3.60%	4.37%	-0.85%	3.52%	0.18%	3.70%	0.10%	3.70%	NO MAX
112	Bellville	50	52	6.70%	9.92%	16.62%	0.40%	17.02%	6.64%	9.76%	16.40%	0.39%	16.79%	-0.23%	16.79%	NO MAX
114	Belton	168	169	7.50%	2.66%	10.16%	0.22%	10.38%	7.53%	2.80%	10.33%	0.21%	10.54%	0.16%	10.54%	13.50%
118	Benbrook	126	125	11.63%	4.95%	16.58%	0.16%	16.74%	11.62%	4.30%	15.92%	0.16%	16.08%	-0.66%	16.08%	NO MAX
121	Berryville	3	4	4.05%	-0.28%	3.77%	0.92%	4.69%	3.11%	-0.16%	2.95%	0.71%	3.66%	-1.03%	3.66%	9.50%
123	Bertram	14	17	4.20%	0.08%	4.28%	0.00%	4.28%	4.24%	0.07%	4.31%	0.00%	4.31%	0.03%	4.31%	11.50%
124	Big Lake	23	28	7.49%	11.01%	18.50%	0.28%	18.78%	7.91%	9.91%	17.82%	0.26%	18.08%	-0.70%	18.08%	NO MAX
126	Big Sandy	11	10	1.47%	1.56%	3.03%	0.36%	3.39%	1.37%	1.49%	2.86%	0.43%	3.29%	-0.10%	3.29%	7.50%
128	Big Spring	177	173	8.75%	9.23%	17.98%	0.46%	18.44%	8.66%	8.72%	17.38%	0.42%	17.80%	-0.64%	17.80%	NO MAX

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CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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							
132	Bishop	21	23	3.02%	0.00%	3.02%	0.36%	3.38%	3.16%	-0.26%	2.90%	0.35%	3.25%	-0.13%	3.25%	11.50%
134	Blanco	23	22	5.72%	0.55%	6.27%	0.21%	6.48%	5.94%	-0.02%	5.92%	0.20%	6.12%	-0.36%	6.12%	13.50%
140	Blooming Grove	4	5	6.92%	4.85%	11.77%	0.26%	12.03%	6.76%	4.41%	11.17%	0.24%	11.41%	-0.62%	11.41%	NO MAX
142	Blossom	4	4	5.61%	-0.91%	4.70%	0.93%	5.63%	5.61%	-0.80%	4.81%	0.96%	5.77%	0.14%	5.77%	11.50%
143	Blue Mound	22	23	4.41%	0.07%	4.48%	0.14%	4.62%	4.61%	0.20%	4.81%	0.14%	4.95%	0.33%	4.95%	NO MAX
144	Blue Ridge	6	6	2.84%	-0.83%	2.01%	0.36%	2.37%	2.81%	-0.74%	2.07%	0.36%	2.43%	0.06%	2.43%	NO MAX
148	Boerne	264	270	11.73%	7.02%	18.75%	0.17%	18.92%	12.01%	6.75%	18.76%	0.17%	18.93%	0.01%	18.93%	NO MAX
150	Bogata	10	9	1.43%	-0.81%	0.62%	0.21%	0.83%	1.43%	-1.10%	0.33%	0.26%	0.59%	-0.24%	0.59%	7.50%
152	Bonham	107	111	6.34%	2.97%	9.31%	0.00%	9.31%	6.43%	3.20%	9.63%	0.00%	9.63%	0.32%	9.63%	12.50%
154	Booker	10	10	5.54%	0.21%	5.75%	0.29%	6.04%	5.51%	0.42%	5.93%	0.32%	6.25%	0.21%	6.25%	9.50%
156	Borger	166	164	8.88%	4.27%	13.15%	0.30%	13.45%	8.83%	4.00%	12.83%	0.32%	13.15%	-0.30%	13.15%	NO MAX
158	Bovina	10	11	1.24%	-0.53%	0.71%	0.44%	1.15%	1.07%	-0.93%	0.14%	0.38%	0.52%	-0.63%	0.52%	7.50%
160	Bowie	82	84	7.20%	2.28%	9.48%	0.34%	9.82%	7.21%	2.16%	9.37%	0.35%	9.72%	-0.10%	9.72%	11.50%
162	Boyd	17	18	3.79%	-0.09%	3.70%	0.00%	3.70%	3.90%	-0.07%	3.83%	0.00%	3.83%	0.13%	3.83%	11.50%
166	Brady	97	95	8.39%	1.24%	9.63%	0.27%	9.90%	8.32%	0.92%	9.24%	0.29%	9.53%	-0.37%	9.53%	12.50%
170	Brazoria	28	25	6.11%	-0.11%	6.00%	0.31%	6.31%	5.98%	-0.16%	5.82%	0.34%	6.16%	-0.15%	6.16%	11.50%
172	Breckenridge	65	61	4.70%	2.26%	6.96%	0.38%	7.34%	4.71%	1.55%	6.26%	0.36%	6.62%	-0.72%	6.62%	NO MAX
174	Bremond	7	6	6.32%	8.23%	14.55%	0.56%	15.11%	6.66%	9.15%	15.81%	0.67%	16.48%	1.37%	16.48%	NO MAX
176	Brenham	202	201	4.91%	5.47%	10.38%	0.00%	10.38%	5.04%	4.94%	9.98%	0.00%	9.98%	-0.40%	9.98%	NO MAX
177	Bridge City	58	56	9.81%	4.95%	14.76%	0.29%	15.05%	9.68%	4.31%	13.99%	0.30%	14.29%	-0.76%	14.29%	NO MAX
178	Bridgeport	66	71	9.02%	4.62%	13.64%	0.24%	13.88%	9.28%	3.93%	13.21%	0.21%	13.42%	-0.46%	13.42%	NO MAX
180	Bronte	3	3	2.08%	9.57%	11.65%	0.23%	11.88%	2.06%	8.83%	10.89%	0.24%	11.13%	-0.75%	11.13%	NO MAX
182	Brookshire	39	42	7.05%	1.80%	8.85%	0.15%	9.00%	6.95%	2.20%	9.15%	0.14%	9.29%	0.29%	9.29%	12.50%
184	Brownfield	86	84	5.51%	-1.47%	4.04%	0.00%	4.04%	5.46%	-1.97%	3.49%	0.00%	3.49%	-0.55%	3.49%	NO MAX
186	Brownsboro	9	8	1.64%	9.18%	10.82%	0.28%	11.10%	1.70%	9.22%	10.92%	0.34%	11.26%	0.16%	11.26%	NO MAX
10188	Brownsville	1,102	1,076	10.77%	6.23%	17.00%	0.24%	17.24%	10.84%	6.06%	16.90%	0.24%	17.14%	-0.10%	17.14%	NO MAX
20188	Brownsville PUB	579	575	10.25%	7.32%	17.57%	0.27%	17.84%	10.32%	6.87%	17.19%	0.27%	17.46%	-0.38%	17.46%	NO MAX
10190	Brownwood	228	225	8.49%	4.62%	13.11%	0.00%	13.11%	8.86%	4.25%	13.11%	0.00%	13.11%	0.00%	13.11%	NO MAX
30190	Brownwood Health Dept.	12	12	7.87%	3.80%	11.67%	0.00%	11.67%	7.87%	4.22%	12.09%	0.00%	12.09%	0.42%	12.09%	NO MAX
20190	Brownwood Public Library	10	8	5.25%	-0.60%	4.65%	0.00%	4.65%	5.28%	-1.23%	4.05%	0.00%	4.05%	-0.60%	4.05%	11.50%
195	Bruceville-Eddy	15	12	5.62%	-0.52%	5.10%	0.30%	5.40%	5.78%	-0.69%	5.09%	0.38%	5.47%	0.07%	5.47%	11.50%
192	Bryan	889	888	9.05%	6.33%	15.38%	0.00%	15.38%	9.08%	0.10%	9.18%	0.00%	9.18%	-6.20%	9.18%	NO MAX
193	Bryson	3	3	6.35%	-6.29%	0.06%	0.00%	0.06%	6.34%	-6.34%	0.00%	0.00%	0.00%	-0.06%	0.00%	13.50%

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		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			
194	Buda	113	118	11.78%	1.98%	13.76%	0.14%	13.90%	12.22%	2.08%	14.30%	0.15%	14.45%	0.55%	14.45%	NO MAX
196	Buffalo	20	18	4.41%	-0.18%	4.23%	0.42%	4.65%	4.65%	-0.54%	4.11%	0.43%	4.54%	-0.11%	4.54%	11.50%
198	Bullard	26	26	7.10%	3.42%	10.52%	0.18%	10.70%	7.06%	3.46%	10.52%	0.19%	10.71%	0.01%	10.71%	12.50%
203	Bulverde	27	29	8.45%	0.81%	9.26%	0.11%	9.37%	8.42%	0.77%	9.19%	0.12%	9.31%	-0.06%	9.31%	NO MAX
199	Bunker Hill Village	8	7	9.53%	1.19%	10.72%	0.24%	10.96%	9.47%	1.13%	10.60%	0.26%	10.86%	-0.10%	10.86%	NO MAX
200	Burkburnett	74	74	7.44%	3.45%	10.89%	0.41%	11.30%	7.39%	3.24%	10.63%	0.39%	11.02%	-0.28%	11.02%	NO MAX
202	Burleson	347	346	10.87%	5.16%	16.03%	0.13%	16.16%	11.12%	5.38%	16.50%	0.14%	16.64%	0.48%	16.64%	NO MAX
204	Burnet	119	117	9.31%	3.53%	12.84%	0.18%	13.02%	9.80%	3.42%	13.22%	0.20%	13.42%	0.40%	13.42%	13.50%
205	Byers	N/A	3	2.32%	3.72%	6.04%	0.18%	6.22%	2.38%	4.23%	6.61%	0.18%	6.79%	0.57%	6.79%	NO MAX
207	Cactus	41	49	4.87%	0.16%	5.03%	0.22%	5.25%	5.05%	0.21%	5.26%	0.22%	5.48%	0.23%	5.48%	13.50%
208	Caddo Mills	15	18	5.15%	0.39%	5.54%	0.14%	5.68%	5.53%	0.37%	5.90%	0.14%	6.04%	0.36%	6.04%	NO MAX
210	Caldwell	54	61	5.75%	1.47%	7.22%	0.45%	7.67%	5.77%	1.17%	6.94%	0.45%	7.39%	-0.28%	7.39%	11.50%
212	Calvert	10	13	2.05%	-0.65%	1.40%	0.35%	1.75%	1.96%	-0.73%	1.23%	0.29%	1.52%	-0.23%	1.52%	NO MAX
214	Cameron	43	46	5.37%	4.89%	10.26%	0.32%	10.58%	5.30%	3.39%	8.69%	0.29%	8.98%	-1.60%	8.98%	NO MAX
216	Campbell	2	2	1.50%	39.59%	41.09%	0.17%	41.26%	1.48%	39.42%	40.90%	0.18%	41.08%	-0.18%	41.08%	NO MAX
220	Canadian	20	20	9.73%	8.27%	18.00%	0.24%	18.24%	9.65%	8.41%	18.06%	0.26%	18.32%	0.08%	18.32%	NO MAX
221	Caney City	2	3	2.94%	-0.32%	2.62%	0.14%	2.76%	2.08%	-0.37%	1.71%	0.08%	1.79%	-0.97%	1.79%	NO MAX
222	Canton	70	69	8.22%	3.56%	11.78%	0.24%	12.02%	8.15%	2.70%	10.85%	0.25%	11.10%	-0.92%	11.10%	NO MAX
224	Canyon	96	105	10.04%	3.81%	13.85%	0.21%	14.06%	10.08%	3.43%	13.51%	0.20%	13.71%	-0.35%	13.71%	NO MAX
227	Carmine	2	2	2.81%	-2.60%	0.21%	0.05%	0.26%	2.81%	-2.81%	0.00%	0.05%	0.05%	-0.21%	0.05%	7.50%
228	Carrizo Springs	49	50	4.70%	0.33%	5.03%	0.40%	5.43%	4.73%	0.44%	5.17%	0.42%	5.59%	0.16%	5.59%	9.50%
230	Carrollton	817	840	8.43%	3.41%	11.84%	0.00%	11.84%	8.42%	2.41%	10.83%	0.00%	10.83%	-1.01%	10.83%	NO MAX
232	Carthage	73	73	9.20%	9.42%	18.62%	0.34%	18.96%	9.19%	9.34%	18.53%	0.35%	18.88%	-0.08%	18.88%	NO MAX
231	Castle Hills	60	62	8.43%	4.40%	12.83%	0.26%	13.09%	8.43%	4.06%	12.49%	0.28%	12.77%	-0.32%	12.77%	NO MAX
234	Castroville	41	45	6.99%	1.55%	8.54%	0.43%	8.97%	7.02%	1.57%	8.59%	0.39%	8.98%	0.01%	8.98%	11.50%
238	Cedar Hill	342	338	9.88%	4.21%	14.09%	0.16%	14.25%	9.90%	4.38%	14.28%	0.16%	14.44%	0.19%	14.44%	NO MAX
239	Cedar Park	482	485	9.75%	4.74%	14.49%	0.12%	14.61%	9.75%	4.83%	14.58%	0.12%	14.70%	0.09%	14.70%	NO MAX
240	Celeste	4	5	2.85%	2.45%	5.30%	0.37%	5.67%	2.62%	1.08%	3.70%	0.37%	4.07%	-1.60%	4.07%	NO MAX
242	Celina	159	174	6.30%	-0.03%	6.27%	0.11%	6.38%	6.26%	-0.03%	6.23%	0.10%	6.33%	-0.05%	6.33%	13.50%
244	Center	73	73	9.71%	2.36%	12.07%	0.23%	12.30%	9.60%	1.84%	11.44%	0.22%	11.66%	-0.64%	11.66%	NO MAX
246	Centerville	5	5	6.56%	13.71%	20.27%	0.00%	20.27%	6.51%	12.14%	18.65%	0.00%	18.65%	-1.62%	18.65%	NO MAX
247	Chandler	26	27	3.51%	2.62%	6.13%	0.24%	6.37%	3.43%	2.62%	6.05%	0.24%	6.29%	-0.08%	6.29%	NO MAX
248	Charlotte	9	8	4.56%	-1.67%	2.89%	0.15%	3.04%	4.76%	-1.91%	2.85%	0.18%	3.03%	-0.01%	3.03%	9.50%



**SECTION 2**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2020**

CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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			
249	Chester	2	2	5.97%	-5.77%	0.20%	0.65%	0.85%	5.98%	-5.98%	0.00%	0.75%	0.75%	-0.10%	0.75%	NO MAX
245	Chico	6	5	2.32%	0.92%	3.24%	0.83%	4.07%	2.10%	2.06%	4.16%	1.02%	5.18%	1.11%	5.18%	NO MAX
250	Childress	56	55	9.09%	6.93%	16.02%	0.39%	16.41%	9.30%	7.05%	16.35%	0.41%	16.76%	0.35%	16.76%	NO MAX
251	Chillicothe	6	6	2.03%	5.28%	7.31%	0.15%	7.46%	2.24%	4.09%	6.33%	0.18%	6.51%	-0.95%	6.51%	NO MAX
253	Chireno	6	6	10.08%	12.19%	22.27%	0.53%	22.80%	10.03%	12.34%	22.37%	0.55%	22.92%	0.12%	22.92%	NO MAX
254	Christine	1	1	0.76%	-0.76%	0.00%	0.00%	0.00%	0.76%	-0.76%	0.00%	0.00%	0.00%	0.00%	0.00%	NO MAX
255	Cibolo	138	150	10.53%	1.97%	12.50%	0.12%	12.62%	10.38%	1.54%	11.92%	0.13%	12.05%	-0.57%	12.05%	13.50%
256	Cisco	37	38	6.27%	0.07%	6.34%	0.13%	6.47%	6.20%	0.23%	6.43%	0.09%	6.52%	0.05%	6.52%	11.50%
258	Clarendon	17	13	2.42%	-1.00%	1.42%	0.51%	1.93%	2.42%	-1.10%	1.32%	0.56%	1.88%	-0.05%	1.88%	9.50%
259	Clarksville	25	23	6.91%	-3.21%	3.70%	0.28%	3.98%	6.53%	-3.63%	2.90%	0.27%	3.17%	-0.81%	3.07%	11.50%
260	Clarksville City	4	4	5.50%	-1.61%	3.89%	0.47%	4.36%	5.53%	-1.80%	3.73%	0.49%	4.22%	-0.14%	4.22%	NO MAX
263	Clear Lake Shores	17	18	9.06%	1.71%	10.77%	0.13%	10.90%	9.13%	1.53%	10.66%	0.15%	10.81%	-0.09%	10.81%	12.50%
264	Cleburne	291	290	7.92%	8.15%	16.07%	0.31%	16.38%	7.92%	8.03%	15.95%	0.33%	16.28%	-0.10%	16.28%	NO MAX
266	Cleveland	86	95	6.58%	3.92%	10.50%	0.31%	10.81%	6.49%	3.75%	10.24%	0.25%	10.49%	-0.32%	10.49%	11.50%
268	Clifton	25	25	2.09%	-0.32%	1.77%	0.39%	2.16%	2.07%	-0.39%	1.68%	0.36%	2.04%	-0.12%	2.04%	7.50%
271	Clute	93	100	9.82%	0.70%	10.52%	0.19%	10.71%	10.03%	-0.10%	9.93%	0.20%	10.13%	-0.58%	10.13%	13.50%
272	Clyde	33	31	9.95%	3.11%	13.06%	0.34%	13.40%	10.09%	3.38%	13.47%	0.26%	13.73%	0.33%	13.73%	13.50%
274	Coahoma	5	5	6.60%	-0.12%	6.48%	0.40%	6.88%	6.59%	-0.17%	6.42%	0.42%	6.84%	-0.04%	6.84%	11.50%
276	Cockrell Hill	32	29	9.70%	-0.58%	9.12%	0.22%	9.34%	9.56%	-0.80%	8.76%	0.26%	9.02%	-0.32%	9.02%	13.50%
278	Coleman	56	54	9.63%	7.29%	16.92%	0.00%	16.92%	9.48%	8.01%	17.49%	0.00%	17.49%	0.57%	17.49%	NO MAX
280	College Station	922	912	8.57%	4.73%	13.30%	0.00%	13.30%	8.57%	4.51%	13.08%	0.00%	13.08%	-0.22%	13.08%	NO MAX
281	Colleyville	187	191	8.55%	0.84%	9.39%	0.18%	9.57%	8.61%	1.16%	9.77%	0.19%	9.96%	0.39%	9.96%	13.50%
282	Collinsville	8	7	5.02%	0.33%	5.35%	0.28%	5.63%	5.80%	0.65%	6.45%	0.33%	6.78%	1.15%	6.78%	12.50%
283	Colmesneil	4	4	3.73%	5.53%	9.26%	0.08%	9.34%	3.74%	5.10%	8.84%	0.08%	8.92%	-0.42%	8.92%	NO MAX
284	Colorado City	43	40	7.96%	-0.33%	7.63%	0.67%	8.30%	7.77%	-0.83%	6.94%	0.62%	7.56%	-0.74%	7.56%	12.50%
286	Columbus	37	39	7.64%	4.33%	11.97%	0.34%	12.31%	7.76%	2.27%	10.03%	0.33%	10.36%	-1.95%	10.36%	NO MAX
288	Comanche	30	31	3.10%	1.74%	4.84%	0.44%	5.28%	3.19%	1.63%	4.82%	0.38%	5.20%	-0.08%	5.20%	7.50%
289	Combes	17	19	1.46%	5.26%	6.72%	0.00%	6.72%	1.46%	5.07%	6.53%	0.00%	6.53%	-0.19%	6.53%	NO MAX
290	Commerce	74	68	6.49%	1.41%	7.90%	0.39%	8.29%	6.56%	1.10%	7.66%	0.40%	8.06%	-0.23%	8.06%	11.50%
294	Conroe	474	477	10.02%	6.28%	16.30%	0.00%	16.30%	10.11%	6.14%	16.25%	0.00%	16.25%	-0.05%	16.25%	NO MAX
295	Converse	173	168	9.73%	4.28%	14.01%	0.15%	14.16%	10.07%	3.77%	13.84%	0.16%	14.00%	-0.16%	14.00%	NO MAX
298	Cooper	13	13	3.21%	2.20%	5.41%	0.30%	5.71%	3.18%	2.44%	5.62%	0.34%	5.96%	0.25%	5.96%	8.50%
299	Coppell	395	389	11.24%	4.91%	16.15%	0.15%	16.30%	11.37%	4.90%	16.27%	0.16%	16.43%	0.13%	16.43%	NO MAX

**SECTION 2**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2020**

CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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							
297	Copper Canyon	3	3	9.44%	2.86%	12.30%	0.29%	12.59%	9.37%	1.99%	11.36%	0.31%	11.67%	-0.92%	11.67%	NO MAX
300	Copperas Cove	266	280	8.29%	4.28%	12.57%	0.30%	12.87%	8.36%	3.96%	12.32%	0.30%	12.62%	-0.25%	12.62%	NO MAX
301	Corinth	163	160	11.52%	3.93%	15.45%	0.15%	15.60%	11.48%	3.55%	15.03%	0.16%	15.19%	-0.41%	15.19%	NO MAX
302	Corpus Christi	2,455	2,522	8.61%	9.34%	17.95%	0.00%	17.95%	8.56%	8.46%	17.02%	0.00%	17.02%	-0.93%	17.02%	NO MAX
304	Corrigan	30	27	3.52%	-0.09%	3.43%	0.29%	3.72%	3.54%	-0.08%	3.46%	0.35%	3.81%	0.09%	3.81%	11.50%
306	Corsicana	167	153	7.74%	7.03%	14.77%	0.35%	15.12%	7.72%	6.35%	14.07%	0.34%	14.41%	-0.71%	14.41%	NO MAX
307	Cottonwood Shores	N/A	15	2.17%	2.06%	4.23%	0.33%	4.56%	2.02%	1.52%	3.54%	0.31%	3.85%	-0.71%	3.85%	NO MAX
308	Cotulla	42	45	4.61%	1.84%	6.45%	0.32%	6.77%	4.49%	1.46%	5.95%	0.28%	6.23%	-0.54%	6.23%	11.50%
310	Crandall	29	33	11.19%	-0.15%	11.04%	0.18%	11.22%	10.96%	-0.10%	10.86%	0.17%	11.03%	-0.19%	11.03%	13.50%
312	Crane	24	24	9.43%	-1.31%	8.12%	0.31%	8.43%	9.26%	-1.25%	8.01%	0.22%	8.23%	-0.20%	8.23%	15.50%
314	Crawford	6	5	1.20%	-0.22%	0.98%	0.00%	0.98%	1.55%	-0.41%	1.14%	0.00%	1.14%	0.16%	1.14%	7.50%
315	Creedmoor	N/A	3	2.67%	2.82%	5.49%	0.20%	5.69%	2.69%	2.80%	5.49%	0.21%	5.70%	0.01%	5.70%	NO MAX
316	Crockett	56	55	9.04%	5.80%	14.84%	0.47%	15.31%	8.96%	5.25%	14.21%	0.52%	14.73%	-0.58%	14.73%	NO MAX
318	Crosbyton	9	11	5.69%	-1.54%	4.15%	1.62%	5.77%	5.45%	-2.71%	2.74%	1.11%	3.85%	-1.92%	3.85%	10.50%
320	Cross Plains	8	9	5.28%	1.87%	7.15%	0.21%	7.36%	5.38%	1.88%	7.26%	0.23%	7.49%	0.13%	7.49%	9.50%
321	Cross Roads	11	12	6.88%	0.58%	7.46%	0.07%	7.53%	7.00%	0.48%	7.48%	0.07%	7.55%	0.02%	7.55%	NO MAX
322	Crowell	7	8	1.37%	4.53%	5.90%	0.10%	6.00%	1.54%	4.36%	5.90%	0.13%	6.03%	0.03%	6.03%	NO MAX
323	Crowley	114	114	8.24%	3.09%	11.33%	0.14%	11.47%	8.20%	2.96%	11.16%	0.14%	11.30%	-0.17%	11.30%	12.50%
324	Crystal City	52	53	3.87%	-1.97%	1.90%	0.00%	1.90%	3.90%	-1.81%	2.09%	0.00%	2.09%	0.19%	2.09%	13.50%
326	Cuero	85	90	7.03%	3.63%	10.66%	0.30%	10.96%	6.97%	2.74%	9.71%	0.29%	10.00%	-0.96%	10.00%	11.50%
328	Cumby	10	10	1.14%	0.53%	1.67%	0.11%	1.78%	1.47%	0.42%	1.89%	0.14%	2.03%	0.25%	2.03%	NO MAX
332	Daingerfield	18	19	5.71%	-0.06%	5.65%	0.00%	5.65%	5.74%	0.06%	5.80%	0.00%	5.80%	0.15%	5.80%	9.50%
334	Daisetta	6	7	1.92%	-1.04%	0.88%	0.46%	1.34%	1.70%	-1.00%	0.70%	0.43%	1.13%	-0.21%	1.13%	NO MAX
336	Dalhart	66	64	4.80%	0.19%	4.99%	0.27%	5.26%	4.77%	-0.54%	4.23%	0.26%	4.49%	-0.77%	4.49%	11.50%
339	Dalworthington Gardens	26	27	12.34%	10.88%	23.22%	0.15%	23.37%	11.05%	10.17%	21.22%	0.16%	21.38%	-1.99%	21.38%	NO MAX
340	Danbury	7	5	4.86%	1.18%	6.04%	0.19%	6.23%	4.74%	1.72%	6.46%	0.22%	6.68%	0.45%	6.68%	NO MAX
341	Darrouzett	3	3	3.93%	1.41%	5.34%	0.32%	5.66%	3.95%	1.23%	5.18%	0.35%	5.53%	-0.13%	5.53%	NO MAX
344	Dayton	106	100	5.62%	0.96%	6.58%	0.18%	6.76%	5.44%	0.84%	6.28%	0.17%	6.45%	-0.31%	6.45%	13.50%
352	De Leon	13	13	1.84%	0.98%	2.82%	0.42%	3.24%	1.90%	1.10%	3.00%	0.46%	3.46%	0.22%	3.46%	7.50%
10366	DeSoto	343	340	9.30%	1.76%	11.06%	0.21%	11.27%	9.16%	1.97%	11.13%	0.21%	11.34%	0.07%	11.34%	NO MAX
346	Decatur	116	106	10.46%	3.38%	13.84%	0.25%	14.09%	10.17%	3.87%	14.04%	0.22%	14.26%	0.17%	14.26%	NO MAX
348	Deer Park	311	316	10.39%	3.19%	13.58%	0.22%	13.80%	10.45%	3.25%	13.70%	0.22%	13.92%	0.12%	13.92%	NO MAX
350	Dekalb	16	12	3.62%	-0.64%	2.98%	0.23%	3.21%	3.44%	-0.71%	2.73%	0.26%	2.99%	-0.22%	2.99%	9.50%

**SECTION 2**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2020**

CITY NUMBER	CITY NAME	Contributing Members LAST YEAR THIS YEAR		2021 RATES					2022 RATES					GRAND TOTAL CHANGE	GRAND TOTAL WITH PHASE-IN	MAX RATE (RET ONLY)
				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											
354	Del Rio	492	512	3.41%	3.79%	7.20%	0.23%	7.43%	3.41%	3.69%	7.10%	0.24%	7.34%	-0.09%	7.34%	NO MAX
353	Dell City	1	1	4.75%	8.07%	12.82%	0.78%	13.60%	4.75%	12.44%	17.19%	0.83%	18.02%	4.42%	18.02%	NO MAX
356	Denison	237	247	7.99%	3.65%	11.64%	0.00%	11.64%	8.16%	3.18%	11.34%	0.00%	11.34%	-0.30%	11.34%	NO MAX
358	Denton	1,322	1,293	10.37%	7.24%	17.61%	0.18%	17.79%	10.43%	7.04%	17.47%	0.18%	17.65%	-0.14%	17.65%	NO MAX
360	Denver City	31	30	6.74%	3.39%	10.13%	0.30%	10.43%	6.73%	0.85%	7.58%	0.32%	7.90%	-2.53%	7.90%	NO MAX
362	Deport	3	4	1.57%	0.78%	2.35%	0.21%	2.56%	2.01%	0.22%	2.23%	0.50%	2.73%	0.17%	2.73%	NO MAX
370	Devine	45	40	6.11%	10.06%	16.17%	0.21%	16.38%	6.24%	11.09%	17.33%	0.24%	17.57%	1.19%	17.57%	NO MAX
371	Diboll	38	38	10.31%	5.05%	15.36%	0.31%	15.67%	10.33%	4.43%	14.76%	0.31%	15.07%	-0.60%	15.07%	NO MAX
372	Dickens	2	2	2.91%	-0.55%	2.36%	0.06%	2.42%	2.91%	-0.51%	2.40%	0.06%	2.46%	0.04%	2.46%	NO MAX
373	Dickinson	97	99	7.61%	2.16%	9.77%	0.18%	9.95%	7.70%	1.91%	9.61%	0.19%	9.80%	-0.15%	9.80%	13.50%
374	Dilley	40	38	6.65%	2.76%	9.41%	0.22%	9.63%	6.58%	2.55%	9.13%	0.24%	9.37%	-0.26%	9.37%	12.50%
376	Dimmitt	26	26	7.51%	-2.22%	5.29%	0.00%	5.29%	6.87%	-2.56%	4.31%	0.00%	4.31%	-0.98%	4.31%	12.50%
382	Donna	144	144	7.29%	3.82%	11.11%	0.00%	11.11%	7.29%	3.74%	11.03%	0.00%	11.03%	-0.08%	11.03%	13.50%
379	Double Oak	11	10	7.02%	0.90%	7.92%	0.29%	8.21%	6.81%	0.97%	7.78%	0.32%	8.10%	-0.11%	8.10%	NO MAX
383	Dripping Springs	26	35	5.25%	0.63%	5.88%	0.12%	6.00%	5.23%	0.57%	5.80%	0.12%	5.92%	-0.08%	5.92%	NO MAX
385	Driscoll	5	4	1.97%	-0.07%	1.90%	0.35%	2.25%	2.09%	-0.14%	1.95%	0.65%	2.60%	0.35%	2.60%	NO MAX
384	Dublin	48	35	9.53%	3.06%	12.59%	0.24%	12.83%	9.12%	2.41%	11.53%	0.22%	11.75%	-1.08%	11.75%	NO MAX
386	Dumas	114	113	8.14%	4.78%	12.92%	0.21%	13.13%	8.24%	4.75%	12.99%	0.23%	13.22%	0.09%	13.22%	NO MAX
388	Duncanville	263	261	5.24%	1.88%	7.12%	0.00%	7.12%	5.13%	1.54%	6.67%	0.00%	6.67%	-0.45%	6.67%	NO MAX
394	Eagle Lake	26	25	8.23%	1.42%	9.65%	0.39%	10.04%	8.02%	1.32%	9.34%	0.44%	9.78%	-0.26%	9.78%	12.50%
396	Eagle Pass	415	425	6.69%	1.94%	8.63%	0.28%	8.91%	6.67%	1.94%	8.61%	0.26%	8.87%	-0.04%	8.87%	11.50%
397	Early	30	33	3.74%	-0.15%	3.59%	0.19%	3.78%	3.90%	-0.02%	3.88%	0.19%	4.07%	0.29%	4.07%	9.50%
399	Earth	7	7	1.99%	4.43%	6.42%	0.49%	6.91%	1.91%	2.76%	4.67%	0.31%	4.98%	-1.93%	4.98%	NO MAX
393	East Bernard	5	5	3.50%	1.81%	5.31%	0.17%	5.48%	3.47%	1.68%	5.15%	0.17%	5.32%	-0.16%	5.32%	NO MAX
401	East Mountain	1	2	14.59%	-0.26%	14.33%	0.44%	14.77%	12.09%	-0.79%	11.30%	0.26%	11.56%	-3.21%	11.56%	NO MAX
395	East Tawakoni	10	11	6.53%	-0.31%	6.22%	0.33%	6.55%	6.35%	-0.50%	5.85%	0.32%	6.17%	-0.38%	6.17%	NO MAX
398	Eastland	40	40	7.29%	1.71%	9.00%	0.31%	9.31%	7.25%	1.72%	8.97%	0.34%	9.31%	0.00%	9.31%	11.50%
402	Ector	4	4	1.94%	-0.24%	1.70%	0.25%	1.95%	1.85%	-0.26%	1.59%	0.28%	1.87%	-0.08%	1.87%	NO MAX
406	Eden	7	9	3.69%	-0.39%	3.30%	0.60%	3.90%	3.68%	-1.02%	2.66%	0.50%	3.16%	-0.74%	3.16%	7.50%
408	Edgewood	11	11	4.58%	1.23%	5.81%	0.41%	6.22%	4.45%	1.35%	5.80%	0.45%	6.25%	0.03%	6.25%	NO MAX
410	Edinburg	854	878	8.67%	5.81%	14.48%	0.17%	14.65%	8.80%	5.66%	14.46%	0.17%	14.63%	-0.02%	14.63%	NO MAX
412	Edna	33	31	6.40%	4.44%	10.84%	0.41%	11.25%	6.41%	4.21%	10.62%	0.48%	11.10%	-0.15%	11.10%	NO MAX
414	El Campo	118	116	7.07%	6.90%	13.97%	0.25%	14.22%	7.05%	6.68%	13.73%	0.26%	13.99%	-0.23%	13.99%	NO MAX

**SECTION 2**  
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CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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							
416	Eldorado	22	17	5.09%	2.36%	7.45%	0.62%	8.07%	5.21%	2.42%	7.63%	0.80%	8.43%	0.36%	8.43%	10.50%
418	Electra	28	28	1.38%	0.50%	1.88%	0.43%	2.31%	1.37%	0.41%	1.78%	0.48%	2.26%	-0.05%	2.26%	7.50%
420	Elgin	91	90	9.89%	3.92%	13.81%	0.24%	14.05%	9.98%	3.28%	13.26%	0.26%	13.52%	-0.53%	13.52%	NO MAX
422	Elkhart	9	8	3.88%	0.41%	4.29%	0.00%	4.29%	3.99%	-0.04%	3.95%	0.00%	3.95%	-0.34%	3.95%	NO MAX
427	Elmendorf	17	13	1.37%	0.10%	1.47%	0.14%	1.61%	1.20%	-0.04%	1.16%	0.07%	1.23%	-0.38%	1.23%	NO MAX
432	Emory	24	24	6.29%	0.31%	6.60%	0.24%	6.84%	6.43%	0.32%	6.75%	0.25%	7.00%	0.16%	7.00%	13.50%
436	Ennis	190	190	11.92%	4.81%	16.73%	0.25%	16.98%	12.02%	4.75%	16.77%	0.24%	17.01%	0.03%	17.01%	NO MAX
437	Escobares	N/A	3	1.69%	4.83%	6.52%	0.08%	6.60%	1.63%	3.79%	5.42%	0.08%	5.50%	-1.10%	5.50%	NO MAX
439	Eules	383	373	11.44%	6.58%	18.02%	0.00%	18.02%	11.45%	6.19%	17.64%	0.00%	17.64%	-0.38%	17.64%	NO MAX
440	Eustace	11	10	5.82%	4.05%	9.87%	0.27%	10.14%	6.19%	3.93%	10.12%	0.29%	10.41%	0.27%	10.41%	13.50%
441	Everman	50	49	7.04%	0.94%	7.98%	0.19%	8.17%	7.08%	0.69%	7.77%	0.20%	7.97%	-0.20%	7.97%	11.50%
443	Fair Oaks Ranch	65	65	10.34%	1.23%	11.57%	0.14%	11.71%	10.31%	1.36%	11.67%	0.14%	11.81%	0.10%	11.81%	13.50%
442	Fairfield	37	40	7.78%	-0.50%	7.28%	0.32%	7.60%	7.64%	-0.57%	7.07%	0.30%	7.37%	-0.23%	7.37%	13.50%
445	Fairview	72	75	9.45%	1.63%	11.08%	0.13%	11.21%	9.38%	1.71%	11.09%	0.13%	11.22%	0.01%	11.22%	NO MAX
20444	Falfurrias	37	33	2.48%	0.52%	3.00%	0.29%	3.29%	2.42%	-0.05%	2.37%	0.36%	2.73%	-0.56%	2.73%	9.50%
446	Falls City	4	4	5.09%	2.36%	7.45%	0.15%	7.60%	5.09%	2.24%	7.33%	0.16%	7.49%	-0.11%	7.49%	NO MAX
448	Farmers Branch	403	402	10.08%	9.04%	19.12%	0.10%	19.22%	10.16%	8.39%	18.55%	0.09%	18.64%	-0.58%	18.64%	NO MAX
450	Farmersville	35	36	6.86%	1.43%	8.29%	0.21%	8.50%	6.96%	1.57%	8.53%	0.23%	8.76%	0.26%	8.76%	NO MAX
451	Farwell	6	7	12.08%	4.76%	16.84%	0.15%	16.99%	11.94%	3.96%	15.90%	0.15%	16.05%	-0.94%	16.05%	NO MAX
452	Fate	53	62	10.11%	0.10%	10.21%	0.09%	10.30%	10.10%	0.12%	10.22%	0.09%	10.31%	0.01%	10.31%	NO MAX
454	Fayetteville	4	4	1.95%	1.22%	3.17%	0.00%	3.17%	1.96%	1.38%	3.34%	0.00%	3.34%	0.17%	3.34%	NO MAX
456	Ferris	46	45	5.22%	-0.03%	5.19%	0.32%	5.51%	5.45%	-0.02%	5.43%	0.30%	5.73%	0.22%	5.73%	9.50%
458	Flatonia	20	19	10.59%	5.18%	15.77%	0.24%	16.01%	10.65%	3.82%	14.47%	0.27%	14.74%	-1.27%	14.74%	NO MAX
460	Florence	11	12	4.50%	-0.20%	4.30%	0.14%	4.44%	4.51%	-0.15%	4.36%	0.14%	4.50%	0.06%	4.50%	NO MAX
20462	Floresville	66	55	6.79%	2.60%	9.39%	0.00%	9.39%	6.69%	2.17%	8.86%	0.00%	8.86%	-0.53%	8.86%	11.50%
463	Flower Mound	609	630	8.07%	3.22%	11.29%	0.12%	11.41%	8.00%	3.19%	11.19%	0.12%	11.31%	-0.10%	11.31%	13.50%
464	Floydada	22	21	6.67%	3.30%	9.97%	0.37%	10.34%	6.74%	3.52%	10.26%	0.38%	10.64%	0.30%	10.64%	NO MAX
465	Follett	N/A	4	1.08%	12.87%	13.95%	0.16%	14.11%	1.29%	7.86%	9.15%	0.15%	9.30%	-4.81%	9.30%	NO MAX
468	Forest Hill	88	82	10.43%	2.41%	12.84%	0.14%	12.98%	10.50%	2.61%	13.11%	0.15%	13.26%	0.28%	13.26%	13.50%
470	Forney	158	157	11.18%	2.98%	14.16%	0.10%	14.26%	11.23%	2.99%	14.22%	0.10%	14.32%	0.06%	14.32%	NO MAX
472	Fort Stockton	116	127	6.17%	3.49%	9.66%	0.47%	10.13%	6.31%	3.06%	9.37%	0.35%	9.72%	-0.41%	9.72%	11.50%
476	Franklin	15	14	3.61%	-0.30%	3.31%	0.00%	3.31%	3.47%	-0.21%	3.26%	0.00%	3.26%	-0.05%	3.26%	11.50%
478	Frankston	12	12	1.55%	-0.11%	1.44%	0.21%	1.65%	1.56%	-0.10%	1.46%	0.22%	1.68%	0.03%	1.68%	NO MAX

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				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							
480	Fredericksburg	167	171	10.15%	11.72%	21.87%	0.24%	22.11%	10.13%	12.15%	22.28%	0.25%	22.53%	0.42%	22.53%	NO MAX
482	Freeport	124	130	9.14%	5.07%	14.21%	0.20%	14.41%	9.48%	4.61%	14.09%	0.19%	14.28%	-0.13%	14.28%	NO MAX
481	Freer	19	16	3.42%	3.15%	6.57%	0.37%	6.94%	3.42%	3.58%	7.00%	0.52%	7.52%	0.58%	7.52%	NO MAX
483	Friendswood	211	218	11.01%	5.54%	16.55%	0.19%	16.74%	11.07%	5.20%	16.27%	0.17%	16.44%	-0.30%	16.44%	NO MAX
484	Friona	25	24	6.34%	2.83%	9.17%	0.27%	9.44%	6.39%	2.35%	8.74%	0.30%	9.04%	-0.40%	9.04%	NO MAX
486	Frisco	1,270	1,252	11.48%	2.96%	14.44%	0.10%	14.54%	11.47%	2.78%	14.25%	0.11%	14.36%	-0.18%	14.36%	NO MAX
487	Fritch	18	20	7.35%	-3.58%	3.77%	0.28%	4.05%	8.32%	-4.66%	3.66%	0.34%	4.00%	-0.05%	3.12%	13.50%
488	Frost	4	3	3.00%	3.47%	6.47%	0.00%	6.47%	3.11%	4.32%	7.43%	0.00%	7.43%	0.96%	7.43%	7.50%
491	Fulshear	56	62	6.79%	0.47%	7.26%	0.10%	7.36%	6.72%	0.45%	7.17%	0.09%	7.26%	-0.10%	7.26%	NO MAX
493	Fulton	4	6	6.16%	16.73%	22.89%	0.45%	23.34%	6.17%	15.23%	21.40%	0.36%	21.76%	-1.58%	21.76%	NO MAX
492	Gainesville	214	214	5.42%	6.43%	11.85%	0.27%	12.12%	5.37%	6.34%	11.71%	0.29%	12.00%	-0.12%	12.00%	NO MAX
494	Galena Park	84	85	8.87%	1.88%	10.75%	0.29%	11.04%	8.78%	1.50%	10.28%	0.30%	10.58%	-0.46%	10.58%	NO MAX
498	Ganado	10	9	11.95%	0.01%	11.96%	0.75%	12.71%	12.58%	-0.30%	12.28%	0.56%	12.84%	0.13%	12.84%	NO MAX
499	Garden Ridge	29	26	6.00%	1.54%	7.54%	0.22%	7.76%	6.06%	1.58%	7.64%	0.27%	7.91%	0.15%	7.91%	11.50%
500	Garland	2,051	2,050	8.59%	2.60%	11.19%	0.25%	11.44%	8.61%	2.72%	11.33%	0.24%	11.57%	0.13%	11.57%	NO MAX
502	Garrison	9	6	11.07%	4.01%	15.08%	0.16%	15.24%	10.96%	-3.27%	7.69%	0.17%	7.86%	-7.38%	7.86%	NO MAX
503	Gary	4	4	3.67%	1.92%	5.59%	0.00%	5.59%	3.45%	1.91%	5.36%	0.00%	5.36%	-0.23%	5.36%	7.50%
504	Gatesville	80	81	9.50%	5.20%	14.70%	0.27%	14.97%	9.60%	4.39%	13.99%	0.25%	14.24%	-0.73%	14.24%	NO MAX
505	George West	35	34	4.28%	1.09%	5.37%	0.18%	5.55%	4.36%	0.96%	5.32%	0.20%	5.52%	-0.03%	5.52%	NO MAX
506	Georgetown	697	708	9.42%	3.03%	12.45%	0.13%	12.58%	9.42%	3.06%	12.48%	0.12%	12.60%	0.02%	12.60%	13.50%
510	Giddings	64	64	9.12%	9.05%	18.17%	0.35%	18.52%	9.21%	7.85%	17.06%	0.37%	17.43%	-1.09%	17.43%	NO MAX
512	Gilmer	50	48	8.76%	4.63%	13.39%	0.26%	13.65%	8.70%	4.07%	12.77%	0.28%	13.05%	-0.60%	13.05%	NO MAX
514	Gladewater	59	62	7.28%	1.02%	8.30%	0.24%	8.54%	7.31%	0.79%	8.10%	0.24%	8.34%	-0.20%	8.34%	11.50%
516	Glen Rose	28	20	10.94%	3.35%	14.29%	0.32%	14.61%	10.93%	2.93%	13.86%	0.33%	14.19%	-0.42%	14.19%	NO MAX
517	Glenn Heights	85	73	4.86%	-1.30%	3.56%	0.13%	3.69%	4.66%	-1.50%	3.16%	0.13%	3.29%	-0.40%	3.29%	12.50%
518	Godley	12	12	1.79%	0.62%	2.41%	0.25%	2.66%	1.79%	0.65%	2.44%	0.29%	2.73%	0.07%	2.73%	8.50%
519	Goldsmith	5	5	1.39%	0.65%	2.04%	0.29%	2.33%	1.35%	-0.02%	1.33%	0.30%	1.63%	-0.70%	1.63%	7.50%
520	Goldthwaite	11	11	10.49%	13.71%	24.20%	0.27%	24.47%	10.73%	13.14%	23.87%	0.27%	24.14%	-0.33%	24.14%	NO MAX
522	Goliad	16	16	6.96%	-1.27%	5.69%	0.29%	5.98%	6.76%	-1.05%	5.71%	0.30%	6.01%	0.03%	6.01%	NO MAX
524	Gonzales	101	99	6.05%	4.33%	10.38%	0.38%	10.76%	6.19%	3.72%	9.91%	0.32%	10.23%	-0.53%	10.23%	NO MAX
527	Gordon	4	4	1.57%	0.71%	2.28%	0.07%	2.35%	1.60%	0.74%	2.34%	0.07%	2.41%	0.06%	2.41%	NO MAX
530	Gorman	7	7	1.84%	7.24%	9.08%	0.35%	9.43%	1.89%	6.53%	8.42%	0.23%	8.65%	-0.78%	8.65%	NO MAX
532	Graford	3	3	1.89%	0.88%	2.77%	0.18%	2.95%	1.85%	0.80%	2.65%	0.19%	2.84%	-0.11%	2.84%	NO MAX

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		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							
10534	Graham	88	83	6.75%	3.94%	10.69%	0.44%	11.13%	6.71%	3.90%	10.61%	0.44%	11.05%	-0.08%	11.05%	NO MAX
536	Granbury	175	178	9.87%	6.05%	15.92%	0.26%	16.18%	9.89%	6.72%	16.61%	0.24%	16.85%	0.67%	16.85%	NO MAX
540	Grand Prairie	1,386	1,372	11.00%	6.24%	17.24%	0.20%	17.44%	11.07%	5.96%	17.03%	0.20%	17.23%	-0.21%	17.23%	NO MAX
542	Grand Saline	26	27	6.99%	0.45%	7.44%	0.37%	7.81%	7.67%	0.75%	8.42%	0.31%	8.73%	0.92%	8.73%	11.50%
544	Grandview	15	17	9.90%	-0.26%	9.64%	0.00%	9.64%	10.52%	-0.01%	10.51%	0.00%	10.51%	0.87%	10.51%	13.50%
546	Granger	11	11	6.98%	-0.65%	6.33%	0.00%	6.33%	7.80%	-0.60%	7.20%	0.00%	7.20%	0.87%	7.20%	13.50%
547	Granite Shoals	36	41	4.42%	-0.09%	4.33%	0.26%	4.59%	4.38%	-0.07%	4.31%	0.26%	4.57%	-0.02%	4.57%	NO MAX
548	Grapeland	9	13	3.44%	0.61%	4.05%	0.00%	4.05%	3.41%	0.37%	3.78%	0.00%	3.78%	-0.27%	3.78%	7.50%
550	Grapevine	590	592	11.72%	7.10%	18.82%	0.00%	18.82%	11.72%	6.82%	18.54%	0.00%	18.54%	-0.28%	18.54%	NO MAX
552	Greenville	332	330	7.34%	3.98%	11.32%	0.28%	11.60%	7.52%	4.00%	11.52%	0.28%	11.80%	0.20%	11.80%	NO MAX
551	Gregory	11	13	6.06%	-1.54%	4.52%	0.30%	4.82%	5.92%	-1.49%	4.43%	0.27%	4.70%	-0.12%	4.70%	9.50%
553	Grey Forest	38	35	9.68%	6.85%	16.53%	0.21%	16.74%	9.53%	6.42%	15.95%	0.21%	16.16%	-0.58%	16.16%	NO MAX
556	Groesbeck	31	31	1.15%	1.34%	2.49%	0.27%	2.76%	1.19%	1.35%	2.54%	0.29%	2.83%	0.07%	2.83%	NO MAX
558	Groom	5	4	3.06%	-0.08%	2.98%	0.00%	2.98%	3.21%	-0.11%	3.10%	0.00%	3.10%	0.12%	3.10%	7.50%
559	Groves	103	98	6.89%	2.00%	8.89%	0.00%	8.89%	7.08%	2.13%	9.21%	0.00%	9.21%	0.32%	9.21%	NO MAX
560	Groveton	10	9	1.99%	-0.04%	1.95%	0.57%	2.52%	1.96%	-0.07%	1.89%	0.67%	2.56%	0.04%	2.56%	7.50%
562	Gruver	5	5	8.36%	6.49%	14.85%	0.00%	14.85%	8.39%	6.02%	14.41%	0.00%	14.41%	-0.44%	14.41%	NO MAX
563	Gun Barrel City	40	45	5.67%	-0.82%	4.85%	0.24%	5.09%	5.94%	-0.74%	5.20%	0.23%	5.43%	0.34%	5.43%	11.50%
564	Gunter	11	11	5.20%	-0.62%	4.58%	0.14%	4.72%	5.34%	-0.49%	4.85%	0.16%	5.01%	0.29%	5.01%	NO MAX
568	Hale Center	9	11	3.32%	0.93%	4.25%	0.13%	4.38%	4.13%	0.86%	4.99%	0.15%	5.14%	0.76%	5.14%	NO MAX
570	Hallettsville	32	35	7.05%	5.37%	12.42%	0.39%	12.81%	7.12%	5.18%	12.30%	0.39%	12.69%	-0.12%	12.69%	NO MAX
572	Hallsville	19	19	1.68%	1.12%	2.80%	0.20%	3.00%	1.58%	1.13%	2.71%	0.20%	2.91%	-0.09%	2.91%	NO MAX
574	Haltom City	266	266	10.48%	8.53%	19.01%	0.22%	19.23%	10.50%	8.17%	18.67%	0.23%	18.90%	-0.33%	18.90%	NO MAX
576	Hamilton	28	28	9.20%	4.67%	13.87%	0.42%	14.29%	9.11%	5.18%	14.29%	0.40%	14.69%	0.40%	14.69%	NO MAX
578	Hamlin	17	18	3.60%	0.57%	4.17%	0.62%	4.79%	3.59%	0.73%	4.32%	0.63%	4.95%	0.16%	4.95%	NO MAX
580	Happy	2	2	8.51%	-0.55%	7.96%	0.87%	8.83%	8.52%	-2.35%	6.17%	0.31%	6.48%	-2.35%	6.48%	NO MAX
581	Harker Heights	219	220	10.08%	4.73%	14.81%	0.15%	14.96%	10.04%	4.59%	14.63%	0.15%	14.78%	-0.18%	14.78%	NO MAX
10582	Harlingen	150	142	4.76%	5.56%	10.32%	0.72%	11.04%	4.82%	3.19%	8.01%	0.74%	8.75%	-2.29%	8.75%	15.50%
20582	Harlingen Waterworks Sys	112	103	1.96%	-0.26%	1.70%	0.50%	2.20%	1.90%	-0.34%	1.56%	0.52%	2.08%	-0.12%	2.08%	9.50%
583	Hart	5	4	1.09%	2.82%	3.91%	0.00%	3.91%	1.11%	2.90%	4.01%	0.00%	4.01%	0.10%	4.01%	NO MAX
586	Haskell	18	18	1.90%	-1.90%	0.00%	0.29%	0.29%	2.01%	-2.01%	0.00%	0.32%	0.32%	0.03%	0.32%	9.50%
587	Haslet	25	28	8.63%	0.16%	8.79%	0.17%	8.96%	9.21%	0.37%	9.58%	0.16%	9.74%	0.78%	9.74%	15.50%
588	Hawkins	9	9	8.69%	-1.87%	6.82%	0.22%	7.04%	8.70%	-2.17%	6.53%	0.28%	6.81%	-0.23%	6.81%	NO MAX

**SECTION 2**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2020**

CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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							
585	Hays	1	1	9.94%	-0.50%	9.44%	0.63%	10.07%	9.94%	0.79%	10.73%	0.70%	11.43%	1.36%	11.43%	NO MAX
590	Hearne	54	54	9.12%	5.80%	14.92%	0.35%	15.27%	8.98%	5.87%	14.85%	0.35%	15.20%	-0.07%	15.20%	NO MAX
591	Heath	51	57	9.85%	2.15%	12.00%	0.15%	12.15%	9.90%	2.42%	12.32%	0.14%	12.46%	0.31%	12.46%	13.50%
592	Hedley	2	1	5.25%	-2.06%	3.19%	1.08%	4.27%	5.52%	-1.70%	3.82%	1.71%	5.53%	1.26%	5.53%	11.50%
595	Hedwig Village	28	28	4.54%	2.07%	6.61%	0.22%	6.83%	4.54%	1.78%	6.32%	0.23%	6.55%	-0.28%	6.55%	NO MAX
593	Helotes	68	67	5.76%	1.38%	7.14%	0.13%	7.27%	5.91%	1.33%	7.24%	0.13%	7.37%	0.10%	7.37%	13.50%
594	Hemphill	26	22	4.70%	2.79%	7.49%	0.39%	7.88%	4.83%	3.09%	7.92%	0.42%	8.34%	0.46%	8.34%	11.50%
596	Hempstead	69	67	6.16%	1.58%	7.74%	0.23%	7.97%	6.07%	1.63%	7.70%	0.26%	7.96%	-0.01%	7.96%	NO MAX
598	Henderson	124	131	10.08%	6.66%	16.74%	0.23%	16.97%	10.14%	6.21%	16.35%	0.21%	16.56%	-0.41%	16.56%	NO MAX
600	Henrietta	17	17	9.97%	5.08%	15.05%	0.29%	15.34%	10.04%	5.33%	15.37%	0.32%	15.69%	0.35%	15.69%	NO MAX
602	Hereford	96	96	6.63%	3.82%	10.45%	0.30%	10.75%	6.37%	3.04%	9.41%	0.29%	9.70%	-1.05%	9.70%	11.50%
605	Hewitt	93	94	11.11%	5.33%	16.44%	0.14%	16.58%	11.14%	4.44%	15.58%	0.15%	15.73%	-0.85%	15.73%	NO MAX
609	Hickory Creek	21	22	10.20%	3.49%	13.69%	0.10%	13.79%	10.47%	4.13%	14.60%	0.11%	14.71%	0.92%	14.71%	NO MAX
606	Hico	13	13	8.21%	0.28%	8.49%	0.43%	8.92%	8.48%	0.52%	9.00%	0.45%	9.45%	0.53%	9.45%	13.50%
607	Hidalgo	147	139	8.84%	3.67%	12.51%	0.00%	12.51%	8.87%	3.41%	12.28%	0.00%	12.28%	-0.23%	12.28%	13.50%
608	Higgins	3	3	4.29%	-0.34%	3.95%	0.34%	4.29%	4.27%	-0.42%	3.85%	0.39%	4.24%	-0.05%	4.24%	NO MAX
610	Highland Park	124	120	6.10%	3.23%	9.33%	0.00%	9.33%	6.13%	2.85%	8.98%	0.00%	8.98%	-0.35%	8.98%	NO MAX
611	Highland Village	151	153	10.42%	3.14%	13.56%	0.16%	13.72%	10.80%	3.01%	13.81%	0.17%	13.98%	0.26%	13.98%	NO MAX
613	Hill Country Village	14	15	4.10%	-0.25%	3.85%	0.11%	3.96%	4.39%	-0.35%	4.04%	0.13%	4.17%	0.21%	4.17%	11.50%
612	Hillsboro	105	97	6.08%	5.20%	11.28%	0.00%	11.28%	6.06%	5.54%	11.60%	0.00%	11.60%	0.32%	11.60%	NO MAX
619	Hilshire Village	2	2	5.37%	4.38%	9.75%	0.22%	9.97%	5.33%	2.37%	7.70%	0.24%	7.94%	-2.03%	7.94%	NO MAX
614	Hitchcock	40	38	4.35%	-0.22%	4.13%	0.20%	4.33%	4.04%	-0.36%	3.68%	0.19%	3.87%	-0.46%	3.87%	11.50%
615	Holland	8	5	5.76%	-0.01%	5.75%	0.64%	6.39%	5.86%	-1.40%	4.46%	0.99%	5.45%	-0.94%	5.45%	10.50%
616	Holliday	9	9	2.80%	-0.23%	2.57%	0.00%	2.57%	2.94%	-0.29%	2.65%	0.00%	2.65%	0.08%	2.65%	9.50%
617	Hollywood Park	38	38	6.76%	2.26%	9.02%	0.20%	9.22%	6.74%	1.97%	8.71%	0.22%	8.93%	-0.29%	8.93%	10.50%
618	Hondo	114	109	6.74%	1.61%	8.35%	0.21%	8.56%	6.46%	1.32%	7.78%	0.22%	8.00%	-0.56%	8.00%	11.50%
620	Honey Grove	9	11	5.89%	0.75%	6.64%	0.49%	7.13%	5.99%	0.11%	6.10%	0.46%	6.56%	-0.57%	6.56%	9.50%
622	Hooks	13	13	7.60%	5.92%	13.52%	0.23%	13.75%	7.73%	6.46%	14.19%	0.18%	14.37%	0.62%	14.37%	NO MAX
623	Horizon City	73	76	2.70%	3.05%	5.75%	0.09%	5.84%	2.72%	2.90%	5.62%	0.10%	5.72%	-0.12%	5.72%	NO MAX
626	Howe	17	19	5.25%	-0.38%	4.87%	0.45%	5.32%	5.43%	-0.43%	5.00%	0.41%	5.41%	0.09%	5.41%	11.50%
627	Hubbard	12	11	3.01%	-0.14%	2.87%	0.15%	3.02%	2.97%	-0.16%	2.81%	0.17%	2.98%	-0.04%	2.98%	NO MAX
628	Hudson	12	12	3.82%	0.26%	4.08%	0.20%	4.28%	3.90%	0.35%	4.25%	0.21%	4.46%	0.18%	4.46%	NO MAX
629	Hudson Oaks	24	24	9.43%	2.69%	12.12%	0.12%	12.24%	10.45%	1.40%	11.85%	0.13%	11.98%	-0.26%	11.98%	13.50%

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CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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			
COST	SERVICE	TOTAL	NORMAL	PRIOR	TOTAL	NORMAL			PRIOR	TOTAL						
630	Hughes Springs	12	14	10.45%	-2.09%	8.36%	0.22%	8.58%	10.46%	-2.59%	7.87%	0.23%	8.10%	-0.48%	8.10%	NO MAX
632	Humble	202	203	9.43%	3.88%	13.31%	0.17%	13.48%	9.37%	3.64%	13.01%	0.17%	13.18%	-0.30%	13.18%	NO MAX
633	Hunters Creek Village	8	7	9.55%	9.02%	18.57%	0.48%	19.05%	9.93%	8.07%	18.00%	0.47%	18.47%	-0.58%	18.47%	NO MAX
634	Huntington	18	20	10.40%	4.92%	15.32%	0.26%	15.58%	10.55%	4.82%	15.37%	0.26%	15.63%	0.05%	15.63%	NO MAX
636	Huntsville	255	267	7.80%	10.49%	18.29%	0.25%	18.54%	7.82%	9.90%	17.72%	0.26%	17.98%	-0.56%	17.98%	NO MAX
637	Hurst	397	357	8.24%	3.63%	11.87%	0.00%	11.87%	8.26%	3.62%	11.88%	0.00%	11.88%	0.01%	11.88%	NO MAX
638	Hutchins	71	72	7.79%	1.26%	9.05%	0.13%	9.18%	7.72%	0.88%	8.60%	0.12%	8.72%	-0.46%	8.72%	11.50%
640	Hutto	171	115	11.98%	0.19%	12.17%	0.10%	12.27%	11.85%	-0.13%	11.72%	0.11%	11.83%	-0.44%	11.83%	NO MAX
641	Huxley	10	9	2.34%	-1.56%	0.78%	0.33%	1.11%	2.41%	-1.63%	0.78%	0.37%	1.15%	0.04%	1.15%	9.50%
642	Idalou	12	14	3.96%	0.14%	4.10%	0.06%	4.16%	4.17%	-0.06%	4.11%	0.06%	4.17%	0.01%	4.17%	NO MAX
643	Ingleside	89	100	7.35%	-0.03%	7.32%	0.30%	7.62%	7.66%	-0.13%	7.53%	0.28%	7.81%	0.19%	7.81%	11.50%
646	Ingram	13	14	6.16%	1.77%	7.93%	0.00%	7.93%	6.15%	0.92%	7.07%	0.00%	7.07%	-0.86%	7.07%	11.50%
647	Iowa Colony	11	17	6.78%	3.60%	10.38%	0.13%	10.51%	6.64%	0.19%	6.83%	0.09%	6.92%	-3.59%	6.92%	NO MAX
644	Iowa Park	44	45	7.29%	5.96%	13.25%	0.28%	13.53%	7.37%	4.04%	11.41%	0.28%	11.69%	-1.84%	11.69%	NO MAX
645	Iraan	6	6	6.24%	11.99%	18.23%	0.28%	18.51%	6.21%	12.04%	18.25%	0.31%	18.56%	0.05%	18.56%	NO MAX
648	Irving	1,514	1,539	9.71%	5.00%	14.71%	0.22%	14.93%	9.73%	4.59%	14.32%	0.21%	14.53%	-0.40%	14.53%	NO MAX
650	Italy	18	20	1.80%	1.19%	2.99%	0.26%	3.25%	1.91%	1.12%	3.03%	0.28%	3.31%	0.06%	3.31%	NO MAX
652	Itasca	16	17	11.79%	-0.78%	11.01%	0.27%	11.28%	10.44%	-0.93%	9.51%	0.28%	9.79%	-1.49%	9.79%	13.50%
654	Jacinto City	72	74	6.71%	5.09%	11.80%	0.31%	12.11%	6.75%	4.63%	11.38%	0.32%	11.70%	-0.41%	11.70%	NO MAX
656	Jacksboro	41	41	10.19%	4.32%	14.51%	0.31%	14.82%	10.11%	3.55%	13.66%	0.30%	13.96%	-0.86%	13.96%	NO MAX
658	Jacksonville	118	122	7.11%	3.57%	10.68%	0.31%	10.99%	7.12%	3.36%	10.48%	0.31%	10.79%	-0.20%	10.79%	NO MAX
660	Jasper	122	123	5.25%	3.43%	8.68%	0.32%	9.00%	5.19%	3.26%	8.45%	0.31%	8.76%	-0.24%	8.76%	15.50%
664	Jefferson	17	17	2.14%	-1.22%	0.92%	0.40%	1.32%	2.13%	-1.50%	0.63%	0.44%	1.07%	-0.25%	1.07%	NO MAX
665	Jersey Village	95	98	9.85%	3.90%	13.75%	0.22%	13.97%	10.09%	3.78%	13.87%	0.23%	14.10%	0.13%	14.10%	NO MAX
666	Jewett	5	5	5.20%	8.54%	13.74%	0.17%	13.91%	5.23%	7.69%	12.92%	0.18%	13.10%	-0.81%	13.10%	NO MAX
668	Joaquin	7	5	2.00%	2.57%	4.57%	0.57%	5.14%	2.11%	3.22%	5.33%	0.81%	6.14%	1.00%	6.14%	NO MAX
670	Johnson City	14	14	6.37%	3.31%	9.68%	0.14%	9.82%	5.94%	2.73%	8.67%	0.15%	8.82%	-1.00%	8.82%	10.50%
673	Jones Creek	9	10	3.06%	2.49%	5.55%	0.30%	5.85%	3.06%	2.21%	5.27%	0.28%	5.55%	-0.30%	5.55%	NO MAX
675	Jonestown	27	28	6.69%	0.83%	7.52%	0.28%	7.80%	6.79%	0.79%	7.58%	0.30%	7.88%	0.08%	7.88%	NO MAX
677	Josephine	12	15	8.47%	1.19%	9.66%	0.06%	9.72%	8.36%	0.21%	8.57%	0.06%	8.63%	-1.09%	8.63%	NO MAX
671	Joshua	35	35	5.95%	-0.19%	5.76%	0.10%	5.86%	6.28%	-0.31%	5.97%	0.12%	6.09%	0.23%	6.09%	13.50%
672	Jourdanton	38	36	5.36%	0.42%	5.78%	0.44%	6.22%	5.43%	0.08%	5.51%	0.51%	6.02%	-0.20%	6.02%	9.50%
674	Junction	24	24	10.67%	4.28%	14.95%	0.31%	15.26%	10.82%	1.07%	11.89%	0.29%	12.18%	-3.08%	12.18%	NO MAX



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				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							
676	Justin	39	45	6.47%	1.10%	7.57%	0.00%	7.57%	6.41%	0.85%	7.26%	0.00%	7.26%	-0.31%	7.26%	13.50%
678	Karnes City	25	26	5.91%	2.86%	8.77%	0.19%	8.96%	5.89%	2.68%	8.57%	0.20%	8.77%	-0.19%	8.77%	NO MAX
680	Katy	250	249	11.48%	2.26%	13.74%	0.15%	13.89%	11.48%	2.03%	13.51%	0.15%	13.66%	-0.23%	13.66%	NO MAX
682	Kaufman	63	65	10.00%	4.86%	14.86%	0.23%	15.09%	10.02%	3.99%	14.01%	0.26%	14.27%	-0.82%	14.27%	NO MAX
683	Keene	45	47	8.91%	3.36%	12.27%	0.29%	12.56%	9.26%	2.70%	11.96%	0.23%	12.19%	-0.37%	12.19%	NO MAX
681	Keller	289	281	10.02%	6.05%	16.07%	0.15%	16.22%	9.96%	6.08%	16.04%	0.14%	16.18%	-0.04%	16.18%	NO MAX
685	Kemah	35	29	5.87%	0.41%	6.28%	0.17%	6.45%	6.22%	-0.20%	6.02%	0.21%	6.23%	-0.22%	6.23%	NO MAX
684	Kemp	21	18	8.17%	1.21%	9.38%	0.25%	9.63%	8.40%	1.60%	10.00%	0.29%	10.29%	0.66%	10.29%	13.50%
689	Kempner	N/A	4	1.61%	0.10%	1.71%	0.09%	1.80%	1.72%	0.04%	1.76%	0.09%	1.85%	0.05%	1.85%	NO MAX
686	Kenedy	51	57	2.88%	0.52%	3.40%	0.13%	3.53%	2.89%	0.56%	3.45%	0.12%	3.57%	0.04%	3.57%	7.50%
688	Kennedale	71	72	10.65%	2.74%	13.39%	0.25%	13.64%	10.70%	3.31%	14.01%	0.27%	14.28%	0.64%	14.28%	NO MAX
690	Kerens	11	11	5.88%	6.17%	12.05%	0.14%	12.19%	5.97%	7.03%	13.00%	0.16%	13.16%	0.97%	13.16%	NO MAX
692	Kermit	56	57	9.00%	6.66%	15.66%	0.31%	15.97%	8.93%	7.18%	16.11%	0.27%	16.38%	0.41%	16.38%	NO MAX
10694	Kerrville	307	313	7.79%	2.68%	10.47%	0.26%	10.73%	7.70%	2.69%	10.39%	0.25%	10.64%	-0.09%	10.64%	15.50%
20694	Kerrville PUB	53	53	8.77%	3.19%	11.96%	0.23%	12.19%	8.72%	2.89%	11.61%	0.24%	11.85%	-0.34%	11.85%	NO MAX
10696	Kilgore	160	148	9.87%	3.97%	13.84%	0.32%	14.16%	9.94%	3.81%	13.75%	0.31%	14.06%	-0.10%	14.06%	NO MAX
698	Killeen	917	926	7.47%	7.01%	14.48%	0.22%	14.70%	7.48%	7.29%	14.77%	0.22%	14.99%	0.29%	14.99%	NO MAX
700	Kingsville	265	264	6.56%	1.81%	8.37%	0.00%	8.37%	6.59%	1.45%	8.04%	0.00%	8.04%	-0.33%	8.04%	NO MAX
701	Kirby	59	59	11.08%	3.41%	14.49%	0.15%	14.64%	10.77%	3.09%	13.86%	0.15%	14.01%	-0.63%	14.01%	NO MAX
702	Kirbyville	25	25	3.30%	2.61%	5.91%	0.60%	6.51%	3.22%	2.34%	5.56%	0.54%	6.10%	-0.41%	6.10%	7.50%
704	Knox City	9	8	3.78%	-1.05%	2.73%	0.41%	3.14%	3.63%	-1.05%	2.58%	0.49%	3.07%	-0.07%	3.07%	9.50%
706	Kosse	5	5	1.85%	2.63%	4.48%	0.12%	4.60%	1.55%	-0.08%	1.47%	0.10%	1.57%	-3.03%	1.57%	NO MAX
708	Kountze	24	24	1.44%	0.16%	1.60%	0.21%	1.81%	1.42%	0.09%	1.51%	0.22%	1.73%	-0.08%	1.73%	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	8	9	7.43%	0.31%	7.74%	0.11%	7.85%	7.45%	0.55%	8.00%	0.12%	8.12%	0.27%	8.12%	NO MAX
707	Krum	41	46	6.40%	-0.02%	6.38%	0.11%	6.49%	6.20%	-0.02%	6.18%	0.11%	6.29%	-0.20%	6.29%	13.50%
710	Kyle	222	234	10.80%	2.19%	12.99%	0.11%	13.10%	10.68%	2.06%	12.74%	0.11%	12.85%	-0.25%	12.85%	13.50%
725	La Coste	9	8	2.19%	-0.39%	1.80%	0.00%	1.80%	2.29%	-0.45%	1.84%	0.00%	1.84%	0.04%	1.84%	8.50%
714	La Feria	60	60	7.81%	7.90%	15.71%	0.34%	16.05%	7.77%	6.79%	14.56%	0.33%	14.89%	-1.16%	14.89%	NO MAX
716	La Grange	65	61	9.35%	4.65%	14.00%	0.31%	14.31%	9.46%	4.54%	14.00%	0.31%	14.31%	0.00%	14.31%	NO MAX
723	La Grulla	18	16	7.04%	-1.65%	5.39%	0.43%	5.82%	7.25%	-2.57%	4.68%	0.26%	4.94%	-0.88%	4.94%	11.50%
732	La Joya	37	47	1.50%	5.39%	6.89%	0.25%	7.14%	1.40%	4.45%	5.85%	0.21%	6.06%	-1.08%	6.06%	NO MAX
721	La Marque	128	135	9.78%	4.77%	14.55%	0.21%	14.76%	9.80%	4.34%	14.14%	0.22%	14.36%	-0.40%	14.36%	NO MAX

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CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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							
728	La Porte	373	378	9.10%	6.24%	15.34%	0.20%	15.54%	9.23%	6.34%	15.57%	0.19%	15.76%	0.22%	15.76%	NO MAX
731	La Vernia	21	21	4.40%	1.12%	5.52%	0.16%	5.68%	4.34%	1.06%	5.40%	0.16%	5.56%	-0.12%	5.56%	NO MAX
711	Lacy-Lakeview	51	47	9.67%	5.19%	14.86%	0.23%	15.09%	9.76%	3.71%	13.47%	0.21%	13.68%	-1.41%	13.68%	NO MAX
712	Ladonia	2	3	6.86%	-2.40%	4.46%	0.43%	4.89%	7.05%	-2.12%	4.93%	0.43%	5.36%	0.47%	5.25%	NO MAX
713	Lago Vista	96	99	6.61%	1.25%	7.86%	0.21%	8.07%	6.59%	1.35%	7.94%	0.22%	8.16%	0.09%	8.16%	12.50%
705	Laguna Vista	17	16	4.60%	-0.52%	4.08%	0.12%	4.20%	4.97%	-0.90%	4.07%	0.14%	4.21%	0.01%	4.21%	NO MAX
717	Lake Dallas	35	37	10.77%	2.70%	13.47%	0.23%	13.70%	10.90%	2.06%	12.96%	0.24%	13.20%	-0.50%	13.20%	13.50%
718	Lake Jackson	234	230	7.93%	3.48%	11.41%	0.24%	11.65%	7.88%	3.19%	11.07%	0.26%	11.33%	-0.32%	11.33%	NO MAX
719	Lake Worth	99	97	10.56%	5.80%	16.36%	0.18%	16.54%	11.15%	5.87%	17.02%	0.15%	17.17%	0.63%	17.17%	NO MAX
727	Lakeport	6	6	2.71%	-2.39%	0.32%	0.14%	0.46%	2.72%	-2.40%	0.32%	0.15%	0.47%	0.01%	0.47%	NO MAX
715	Lakeside	18	19	8.35%	2.56%	10.91%	0.30%	11.21%	8.40%	2.58%	10.98%	0.31%	11.29%	0.08%	11.29%	13.50%
729	Lakeside City	5	5	4.82%	0.41%	5.23%	0.30%	5.53%	4.80%	0.49%	5.29%	0.31%	5.60%	0.07%	5.60%	NO MAX
720	Lakeway	113	115	9.82%	3.81%	13.63%	0.18%	13.81%	9.78%	3.73%	13.51%	0.19%	13.70%	-0.11%	13.70%	15.50%
722	Lamesa	75	82	4.90%	-0.26%	4.64%	0.00%	4.64%	4.88%	-0.77%	4.11%	0.00%	4.11%	-0.53%	4.11%	13.50%
724	Lampasas	119	120	9.90%	5.64%	15.54%	0.28%	15.82%	9.98%	5.77%	15.75%	0.25%	16.00%	0.18%	16.00%	NO MAX
726	Lancaster	264	259	8.81%	5.09%	13.90%	0.17%	14.07%	8.65%	4.59%	13.24%	0.18%	13.42%	-0.65%	13.42%	NO MAX
730	Laredo	2,273	2,268	10.29%	10.74%	21.03%	0.24%	21.27%	10.30%	10.22%	20.52%	0.23%	20.75%	-0.52%	20.75%	NO MAX
733	Lavon	19	21	6.76%	0.54%	7.30%	0.14%	7.44%	6.80%	0.65%	7.45%	0.14%	7.59%	0.15%	7.59%	NO MAX
736	League City	556	554	9.64%	5.04%	14.68%	0.17%	14.85%	9.67%	4.71%	14.38%	0.18%	14.56%	-0.29%	14.56%	15.50%
737	Leander	315	337	9.76%	2.26%	12.02%	0.12%	12.14%	9.80%	2.38%	12.18%	0.12%	12.30%	0.16%	12.30%	13.50%
735	Lefors	4	6	1.27%	2.38%	3.65%	0.05%	3.70%	1.73%	1.61%	3.34%	0.12%	3.46%	-0.24%	3.46%	NO MAX
739	Leon Valley	115	112	11.05%	6.60%	17.65%	0.25%	17.90%	11.06%	6.57%	17.63%	0.26%	17.89%	-0.01%	17.89%	NO MAX
738	Leonard	15	16	1.50%	-0.62%	0.88%	0.25%	1.13%	1.67%	-0.76%	0.91%	0.27%	1.18%	0.05%	1.18%	9.50%
740	Levelland	95	93	8.77%	1.83%	10.60%	0.21%	10.81%	8.79%	0.25%	9.04%	0.21%	9.25%	-1.56%	9.25%	NO MAX
742	Lewisville	805	782	10.45%	6.26%	16.71%	0.00%	16.71%	10.46%	5.89%	16.35%	0.00%	16.35%	-0.36%	16.35%	NO MAX
744	Lexington	12	13	6.86%	2.96%	9.82%	0.00%	9.82%	6.77%	1.21%	7.98%	0.00%	7.98%	-1.84%	7.98%	NO MAX
746	Liberty	102	104	5.32%	11.21%	16.53%	0.00%	16.53%	5.33%	10.15%	15.48%	0.00%	15.48%	-1.05%	15.48%	NO MAX
745	Liberty Hill	42	51	6.80%	0.23%	7.03%	0.12%	7.15%	6.57%	0.15%	6.72%	0.11%	6.83%	-0.32%	6.83%	NO MAX
748	Lindale	54	55	8.37%	6.79%	15.16%	0.00%	15.16%	8.38%	6.38%	14.76%	0.00%	14.76%	-0.40%	14.76%	NO MAX
750	Linden	16	16	1.40%	-0.39%	1.01%	0.34%	1.35%	1.32%	-0.52%	0.80%	0.38%	1.18%	-0.17%	1.18%	7.50%
749	Lindsay	4	4	4.27%	0.59%	4.86%	0.13%	4.99%	4.24%	0.77%	5.01%	0.14%	5.15%	0.16%	5.15%	NO MAX
755	Lipan	4	5	1.76%	0.56%	2.32%	0.18%	2.50%	1.61%	0.39%	2.00%	0.17%	2.17%	-0.33%	2.17%	NO MAX
751	Little Elm	270	280	11.00%	2.42%	13.42%	0.11%	13.53%	11.25%	2.51%	13.76%	0.09%	13.85%	0.32%	13.85%	13.50%

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				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							
752	Littlefield	57	58	6.37%	1.52%	7.89%	0.38%	8.27%	6.41%	0.61%	7.02%	0.38%	7.40%	-0.87%	7.40%	11.50%
753	Live Oak	115	115	10.61%	7.53%	18.14%	0.21%	18.35%	10.82%	6.85%	17.67%	0.20%	17.87%	-0.48%	17.87%	NO MAX
757	Liverpool	5	5	1.74%	0.09%	1.83%	0.14%	1.97%	1.73%	0.12%	1.85%	0.16%	2.01%	0.04%	2.01%	NO MAX
754	Livingston	84	83	8.96%	7.24%	16.20%	0.26%	16.46%	8.97%	6.28%	15.25%	0.26%	15.51%	-0.95%	15.51%	NO MAX
756	Llano	47	49	7.69%	5.76%	13.45%	0.46%	13.91%	7.85%	5.22%	13.07%	0.49%	13.56%	-0.35%	13.56%	NO MAX
758	Lockhart	138	135	7.19%	5.28%	12.47%	0.27%	12.74%	7.19%	5.14%	12.33%	0.25%	12.58%	-0.16%	12.58%	NO MAX
760	Lockney	7	6	2.54%	-2.54%	0.00%	0.24%	0.24%	2.53%	-2.53%	0.00%	0.28%	0.28%	0.04%	0.28%	7.50%
765	Lone Star	10	12	3.19%	-0.98%	2.21%	0.27%	2.48%	3.28%	-1.04%	2.24%	0.27%	2.51%	0.03%	2.51%	7.50%
766	Longview	652	635	7.42%	3.78%	11.20%	0.31%	11.51%	7.36%	3.66%	11.02%	0.31%	11.33%	-0.18%	11.33%	15.50%
768	Loraine	3	1	3.21%	-0.52%	2.69%	0.07%	2.76%	4.09%	-0.66%	3.43%	0.12%	3.55%	0.79%	3.55%	NO MAX
769	Lorena	19	18	8.77%	1.77%	10.54%	0.18%	10.72%	8.80%	1.70%	10.50%	0.20%	10.70%	-0.02%	10.70%	12.50%
770	Lorenzo	6	6	5.60%	-3.66%	1.94%	0.00%	1.94%	5.41%	-3.93%	1.48%	0.00%	1.48%	-0.46%	1.48%	9.50%
771	Los Fresnos	59	57	4.84%	2.41%	7.25%	0.19%	7.44%	4.75%	2.42%	7.17%	0.22%	7.39%	-0.05%	7.39%	11.50%
773	Lott	8	6	1.50%	-0.17%	1.33%	0.12%	1.45%	1.82%	-0.21%	1.61%	0.17%	1.78%	0.33%	1.78%	NO MAX
774	Lovelady	3	3	6.16%	1.46%	7.62%	0.21%	7.83%	6.13%	1.64%	7.77%	0.22%	7.99%	0.16%	7.99%	NO MAX
778	Lubbock	1,819	1,821	10.01%	7.46%	17.47%	0.00%	17.47%	10.00%	6.66%	16.66%	0.00%	16.66%	-0.81%	16.66%	NO MAX
779	Lucas	39	39	10.61%	2.08%	12.69%	0.10%	12.79%	10.57%	1.90%	12.47%	0.10%	12.57%	-0.22%	12.57%	15.50%
782	Lufkin	354	330	8.67%	7.73%	16.40%	0.29%	16.69%	8.64%	7.63%	16.27%	0.30%	16.57%	-0.12%	16.57%	NO MAX
784	Luling	90	91	5.85%	0.48%	6.33%	0.40%	6.73%	5.98%	0.11%	6.09%	0.37%	6.46%	-0.27%	6.46%	11.50%
785	Lumberton	43	43	10.30%	5.44%	15.74%	0.28%	16.02%	10.28%	5.23%	15.51%	0.29%	15.80%	-0.22%	15.80%	NO MAX
786	Lyford	13	17	1.25%	1.58%	2.83%	0.00%	2.83%	1.34%	1.36%	2.70%	0.00%	2.70%	-0.13%	2.70%	NO MAX
787	Lytle	24	24	6.56%	4.03%	10.59%	0.16%	10.75%	6.67%	3.80%	10.47%	0.18%	10.65%	-0.10%	10.65%	11.50%
790	Madisonville	36	35	6.62%	2.66%	9.28%	0.44%	9.72%	6.66%	1.87%	8.53%	0.31%	8.84%	-0.88%	8.84%	11.50%
791	Magnolia	31	33	4.97%	-0.16%	4.81%	0.21%	5.02%	4.84%	-0.22%	4.62%	0.22%	4.84%	-0.18%	4.84%	12.50%
792	Malakoff	26	24	5.95%	1.49%	7.44%	0.27%	7.71%	6.16%	0.65%	6.81%	0.19%	7.00%	-0.71%	7.00%	13.50%
796	Manor	79	80	5.70%	3.06%	8.76%	0.09%	8.85%	5.68%	2.55%	8.23%	0.10%	8.33%	-0.52%	8.33%	NO MAX
798	Mansfield	509	467	11.38%	4.67%	16.05%	0.14%	16.19%	11.50%	4.38%	15.88%	0.14%	16.02%	-0.17%	16.02%	NO MAX
799	Manvel	54	60	5.96%	4.01%	9.97%	0.12%	10.09%	5.84%	3.54%	9.38%	0.12%	9.50%	-0.59%	9.50%	13.50%
800	Marble Falls	118	114	7.94%	2.66%	10.60%	0.23%	10.83%	7.97%	2.71%	10.68%	0.22%	10.90%	0.07%	10.90%	13.50%
802	Marfa	41	42	3.88%	-0.68%	3.20%	0.37%	3.57%	3.78%	-0.67%	3.11%	0.41%	3.52%	-0.05%	3.52%	11.50%
804	Marion	10	9	6.19%	-1.46%	4.73%	0.52%	5.25%	6.24%	-1.96%	4.28%	0.66%	4.94%	-0.31%	4.94%	11.50%
806	Marlin	48	55	6.59%	1.44%	8.03%	0.49%	8.52%	6.66%	0.73%	7.39%	0.47%	7.86%	-0.66%	7.86%	11.50%
808	Marquez	3	3	2.09%	16.00%	18.09%	0.17%	18.26%	2.10%	16.35%	18.45%	0.19%	18.64%	0.38%	18.64%	NO MAX

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CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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							
810	Marshall	194	186	10.00%	6.23%	16.23%	0.38%	16.61%	9.83%	5.93%	15.76%	0.41%	16.17%	-0.44%	16.17%	NO MAX
812	Mart	14	15	5.29%	-2.19%	3.10%	0.39%	3.49%	5.31%	-2.05%	3.26%	0.34%	3.60%	0.11%	3.53%	9.50%
813	Martindale	4	3	5.84%	4.46%	10.30%	0.15%	10.45%	5.73%	2.46%	8.19%	0.17%	8.36%	-2.09%	8.36%	NO MAX
814	Mason	28	26	4.36%	1.76%	6.12%	0.41%	6.53%	4.22%	1.50%	5.72%	0.46%	6.18%	-0.35%	6.18%	9.50%
816	Matador	4	3	2.22%	5.21%	7.43%	0.35%	7.78%	2.36%	4.22%	6.58%	0.48%	7.06%	-0.72%	7.06%	NO MAX
818	Mathis	51	49	5.67%	-1.34%	4.33%	0.36%	4.69%	5.76%	-1.48%	4.28%	0.32%	4.60%	-0.09%	4.60%	13.50%
820	Maud	7	5	2.26%	1.23%	3.49%	0.19%	3.68%	2.35%	2.01%	4.36%	0.25%	4.61%	0.93%	4.61%	NO MAX
822	Maypearl	4	4	1.65%	-0.45%	1.20%	0.24%	1.44%	1.27%	-0.59%	0.68%	0.26%	0.94%	-0.50%	0.94%	7.50%
824	McAllen	1,618	1,608	4.47%	3.72%	8.19%	0.00%	8.19%	4.57%	3.56%	8.13%	0.00%	8.13%	-0.06%	8.13%	13.50%
826	McCamey	13	14	3.01%	-0.65%	2.36%	0.11%	2.47%	2.96%	-0.54%	2.42%	0.12%	2.54%	0.07%	2.54%	9.50%
828	McGregor	56	49	8.41%	1.25%	9.66%	0.32%	9.98%	8.51%	1.26%	9.77%	0.37%	10.14%	0.16%	10.14%	12.50%
830	McKinney	1,155	1,171	11.48%	3.45%	14.93%	0.11%	15.04%	11.48%	3.54%	15.02%	0.11%	15.13%	0.09%	15.13%	NO MAX
832	McLean	5	6	1.97%	0.48%	2.45%	0.31%	2.76%	2.02%	0.39%	2.41%	0.31%	2.72%	-0.04%	2.72%	NO MAX
833	McLendon-Chisholm	7	9	7.26%	-0.27%	6.99%	0.12%	7.11%	7.52%	-0.21%	7.31%	0.15%	7.46%	0.35%	7.46%	NO MAX
834	Meadow	6	7	1.76%	2.47%	4.23%	0.10%	4.33%	1.63%	2.55%	4.18%	0.12%	4.30%	-0.03%	4.30%	NO MAX
831	Meadowlakes	26	26	2.49%	-0.09%	2.40%	0.22%	2.62%	2.49%	0.00%	2.49%	0.24%	2.73%	0.11%	2.73%	NO MAX
835	Meadows Place	30	31	5.86%	4.78%	10.64%	0.18%	10.82%	6.09%	4.30%	10.39%	0.19%	10.58%	-0.24%	10.58%	13.50%
837	Melissa	56	55	9.36%	3.27%	12.63%	0.14%	12.77%	9.22%	3.01%	12.23%	0.14%	12.37%	-0.40%	12.37%	NO MAX
1501	Memorial Villages PD	43	44	6.18%	5.13%	11.31%	0.24%	11.55%	6.21%	4.91%	11.12%	0.24%	11.36%	-0.19%	11.36%	NO MAX
840	Memphis	19	20	6.79%	3.67%	10.46%	0.27%	10.73%	7.02%	3.32%	10.34%	0.23%	10.57%	-0.16%	10.57%	NO MAX
842	Menard	9	10	3.50%	-3.50%	0.00%	0.00%	0.00%	3.63%	-3.63%	0.00%	0.00%	0.00%	0.00%	0.00%	NO MAX
844	Mercedes	126	131	10.55%	6.18%	16.73%	0.21%	16.94%	10.58%	4.99%	15.57%	0.22%	15.79%	-1.15%	15.79%	NO MAX
846	Meridian	11	12	4.03%	-0.68%	3.35%	0.13%	3.48%	4.00%	-0.66%	3.34%	0.13%	3.47%	-0.01%	3.47%	11.50%
848	Merkel	15	16	9.81%	4.06%	13.87%	0.25%	14.12%	9.85%	2.69%	12.54%	0.18%	12.72%	-1.40%	12.72%	NO MAX
852	Mertzson	6	5	4.51%	6.55%	11.06%	0.20%	11.26%	4.39%	6.38%	10.77%	0.26%	11.03%	-0.23%	11.03%	NO MAX
854	Mesquite	1,120	1,100	8.42%	9.66%	18.08%	0.00%	18.08%	8.39%	9.29%	17.68%	0.00%	17.68%	-0.40%	17.68%	NO MAX
856	Mexia	97	86	9.99%	1.84%	11.83%	0.30%	12.13%	10.02%	1.35%	11.37%	0.30%	11.67%	-0.46%	11.67%	13.50%
858	Miami	3	3	2.52%	8.24%	10.76%	0.29%	11.05%	2.52%	7.69%	10.21%	0.32%	10.53%	-0.52%	10.53%	NO MAX
860	Midland	751	796	8.25%	6.28%	14.53%	0.28%	14.81%	8.16%	6.08%	14.24%	0.27%	14.51%	-0.30%	14.51%	NO MAX
862	Midlothian	261	265	11.44%	3.56%	15.00%	0.15%	15.15%	11.55%	3.34%	14.89%	0.14%	15.03%	-0.12%	15.03%	NO MAX
863	Milano	1	1	3.34%	8.44%	11.78%	0.41%	12.19%	3.34%	8.83%	12.17%	0.44%	12.61%	0.42%	12.61%	NO MAX
864	Miles	5	4	2.02%	-2.02%	0.00%	0.16%	0.16%	1.95%	-1.95%	0.00%	0.20%	0.20%	0.04%	0.20%	7.50%
865	Milford	7	6	3.13%	5.41%	8.54%	0.29%	8.83%	3.18%	5.47%	8.65%	0.36%	9.01%	0.18%	9.01%	NO MAX

**SECTION 2**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2020**

CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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							
868	Mineola	51	49	7.66%	2.66%	10.32%	0.23%	10.55%	7.73%	3.00%	10.73%	0.23%	10.96%	0.41%	10.96%	13.50%
870	Mineral Wells	183	184	6.47%	2.11%	8.58%	0.32%	8.90%	6.41%	1.74%	8.15%	0.31%	8.46%	-0.44%	8.46%	11.50%
874	Mission	695	705	6.71%	2.04%	8.75%	0.17%	8.92%	6.74%	2.01%	8.75%	0.16%	8.91%	-0.01%	8.91%	12.50%
875	Missouri City	346	347	5.26%	4.22%	9.48%	0.15%	9.63%	5.29%	3.76%	9.05%	0.16%	9.21%	-0.42%	9.21%	15.50%
876	Monahans	64	65	5.38%	1.73%	7.11%	0.22%	7.33%	5.40%	1.43%	6.83%	0.22%	7.05%	-0.28%	7.05%	NO MAX
887	Mont Belvieu	124	177	10.60%	3.32%	13.92%	0.12%	14.04%	11.21%	2.54%	13.75%	0.12%	13.87%	-0.17%	13.87%	NO MAX
877	Montgomery	26	28	9.01%	0.56%	9.57%	0.15%	9.72%	9.03%	0.56%	9.59%	0.15%	9.74%	0.02%	9.74%	13.50%
878	Moody	11	11	1.35%	0.88%	2.23%	0.24%	2.47%	1.30%	0.90%	2.20%	0.23%	2.43%	-0.04%	2.43%	7.50%
883	Morgan's Point	13	13	9.09%	1.17%	10.26%	0.09%	10.35%	8.89%	1.27%	10.16%	0.09%	10.25%	-0.10%	10.25%	NO MAX
882	Morgan's Point Resort	29	28	9.99%	1.86%	11.85%	0.27%	12.12%	9.57%	2.26%	11.83%	0.29%	12.12%	0.00%	12.12%	13.50%
884	Morton	8	8	6.42%	-2.09%	4.33%	0.25%	4.58%	6.45%	-3.30%	3.15%	0.14%	3.29%	-1.29%	3.29%	NO MAX
886	Moulton	11	10	4.57%	-0.40%	4.17%	0.27%	4.44%	4.65%	-0.48%	4.17%	0.29%	4.46%	0.02%	4.46%	NO MAX
890	Mount Enterprise	2	2	2.35%	-0.66%	1.69%	0.23%	1.92%	2.36%	-0.11%	2.25%	0.20%	2.45%	0.53%	2.45%	NO MAX
892	Mt. Pleasant	164	165	9.42%	5.21%	14.63%	0.20%	14.83%	9.79%	4.97%	14.76%	0.19%	14.95%	0.12%	14.95%	NO MAX
894	Mt. Vernon	24	22	8.76%	2.63%	11.39%	0.40%	11.79%	9.07%	1.13%	10.20%	0.26%	10.46%	-1.33%	10.46%	13.50%
896	Muenster	13	12	4.84%	-2.32%	2.52%	0.00%	2.52%	4.38%	-2.53%	1.85%	0.00%	1.85%	-0.67%	1.85%	11.50%
898	Muleshoe	32	34	9.08%	10.62%	19.70%	0.33%	20.03%	9.23%	9.93%	19.16%	0.34%	19.50%	-0.53%	19.50%	NO MAX
901	Munday	7	7	1.50%	1.94%	3.44%	0.30%	3.74%	1.56%	1.90%	3.46%	0.34%	3.80%	0.06%	3.80%	NO MAX
903	Murphy	120	119	11.71%	2.53%	14.24%	0.14%	14.38%	11.64%	2.59%	14.23%	0.15%	14.38%	0.00%	14.38%	15.50%
10904	Nacogdoches	295	297	8.53%	5.78%	14.31%	0.29%	14.60%	8.58%	5.89%	14.47%	0.27%	14.74%	0.14%	14.74%	NO MAX
906	Naples	9	8	2.92%	-1.53%	1.39%	0.26%	1.65%	3.10%	-1.63%	1.47%	0.30%	1.77%	0.12%	1.77%	9.50%
907	Nash	20	19	9.47%	8.81%	18.28%	0.23%	18.51%	10.19%	8.39%	18.58%	0.27%	18.85%	0.34%	18.85%	NO MAX
905	Nassau Bay	41	45	9.36%	5.64%	15.00%	0.21%	15.21%	8.07%	2.74%	10.81%	0.19%	11.00%	-4.21%	11.00%	NO MAX
909	Natalia	12	11	1.87%	0.90%	2.77%	0.19%	2.96%	1.58%	0.68%	2.26%	0.21%	2.47%	-0.49%	2.47%	NO MAX
908	Navasota	72	85	6.75%	0.11%	6.86%	0.28%	7.14%	6.59%	-0.04%	6.55%	0.26%	6.81%	-0.33%	6.81%	11.50%
910	Nederland	125	124	8.18%	-0.82%	7.36%	0.00%	7.36%	8.13%	-0.61%	7.52%	0.00%	7.52%	0.16%	7.52%	NO MAX
912	Needville	17	18	3.47%	0.45%	3.92%	0.48%	4.40%	3.38%	0.20%	3.58%	0.49%	4.07%	-0.33%	4.07%	9.50%
914	New Boston	38	42	3.06%	-1.71%	1.35%	0.29%	1.64%	3.03%	-1.59%	1.44%	0.29%	1.73%	0.09%	1.73%	7.50%
10916	New Braunfels	638	644	11.11%	5.81%	16.92%	0.16%	17.08%	11.19%	5.86%	17.05%	0.16%	17.21%	0.13%	17.21%	NO MAX
20916	New Braunfels Utilities	306	322	10.59%	7.27%	17.86%	0.16%	18.02%	10.42%	7.19%	17.61%	0.16%	17.77%	-0.25%	17.77%	NO MAX
915	New Deal	4	4	1.86%	-0.99%	0.87%	0.00%	0.87%	1.63%	-1.07%	0.56%	0.00%	0.56%	-0.31%	0.56%	7.50%
923	New Fairview	1	3	1.09%	10.24%	11.33%	0.31%	11.64%	1.77%	4.83%	6.60%	0.19%	6.79%	-4.85%	6.79%	NO MAX
918	New London	9	8	3.83%	-0.39%	3.44%	0.00%	3.44%	3.91%	-0.57%	3.34%	0.00%	3.34%	-0.10%	3.34%	7.50%

**SECTION 2**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2020**

CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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						
919	New Summerfield	8	9	7.75%	-0.14%	7.61%	0.00%	7.61%	7.80%	-0.12%	7.68%	0.00%	7.68%	0.07%	7.68%	13.50%
917	New Waverly	4	5	7.03%	9.44%	16.47%	0.36%	16.83%	6.91%	7.94%	14.85%	0.35%	15.20%	-1.63%	15.20%	NO MAX
913	Newark	4	6	1.71%	0.54%	2.25%	0.08%	2.33%	1.26%	-0.05%	1.21%	0.04%	1.25%	-1.08%	1.25%	NO MAX
920	Newton	22	24	10.78%	10.68%	21.46%	0.32%	21.78%	11.27%	8.45%	19.72%	0.26%	19.98%	-1.80%	19.98%	NO MAX
922	Nixon	17	22	1.17%	-0.50%	0.67%	0.26%	0.93%	1.30%	-0.52%	0.78%	0.25%	1.03%	0.10%	1.03%	NO MAX
924	Nocona	21	22	6.72%	3.55%	10.27%	0.37%	10.64%	6.77%	3.63%	10.40%	0.40%	10.80%	0.16%	10.80%	11.50%
925	Nolanville	16	19	1.51%	0.43%	1.94%	0.08%	2.02%	1.53%	0.34%	1.87%	0.08%	1.95%	-0.07%	1.95%	NO MAX
928	Normangee	7	7	5.02%	-1.46%	3.56%	0.29%	3.85%	5.05%	-0.94%	4.11%	0.30%	4.41%	0.56%	4.41%	11.50%
931	North Richland Hills	559	544	11.32%	5.51%	16.83%	0.00%	16.83%	11.31%	5.50%	16.81%	0.00%	16.81%	-0.02%	16.81%	NO MAX
930	Northlake	44	49	8.63%	1.20%	9.83%	0.11%	9.94%	8.55%	1.30%	9.85%	0.11%	9.96%	0.02%	9.96%	NO MAX
935	O'Donnell	5	4	1.50%	3.59%	5.09%	0.26%	5.35%	1.44%	2.74%	4.18%	0.25%	4.43%	-0.92%	4.43%	NO MAX
936	Oak Point	33	34	6.17%	1.00%	7.17%	0.11%	7.28%	6.12%	0.94%	7.06%	0.11%	7.17%	-0.11%	7.17%	NO MAX
937	Oak Ridge North	40	40	8.95%	2.61%	11.56%	0.18%	11.74%	8.93%	2.88%	11.81%	0.20%	12.01%	0.27%	12.01%	NO MAX
942	Odem	18	21	4.76%	3.41%	8.17%	0.46%	8.63%	4.70%	3.37%	8.07%	0.41%	8.48%	-0.15%	8.48%	NO MAX
944	Odessa	694	713	8.19%	5.68%	13.87%	0.27%	14.14%	8.26%	5.44%	13.70%	0.26%	13.96%	-0.18%	13.96%	NO MAX
945	Oglesby	2	2	1.10%	0.33%	1.43%	0.39%	1.82%	1.10%	0.64%	1.74%	0.41%	2.15%	0.33%	2.15%	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	37	38	3.67%	-0.68%	2.99%	0.00%	2.99%	3.51%	-0.76%	2.75%	0.00%	2.75%	-0.24%	2.75%	11.50%
951	Olney	21	22	6.19%	0.57%	6.76%	0.23%	6.99%	6.17%	0.51%	6.68%	0.23%	6.91%	-0.08%	6.91%	NO MAX
953	Omaha	6	6	1.78%	3.13%	4.91%	0.18%	5.09%	1.87%	3.33%	5.20%	0.19%	5.39%	0.30%	5.39%	NO MAX
954	Onalaska	12	12	3.08%	-0.57%	2.51%	0.20%	2.71%	3.14%	-0.94%	2.20%	0.19%	2.39%	-0.32%	2.39%	9.50%
958	Orange	156	154	9.98%	4.78%	14.76%	0.00%	14.76%	10.03%	4.37%	14.40%	0.00%	14.40%	-0.36%	14.40%	NO MAX
960	Orange Grove	11	10	8.88%	-0.76%	8.12%	0.20%	8.32%	8.75%	-0.69%	8.06%	0.21%	8.27%	-0.05%	8.27%	12.50%
959	Ore City	10	10	1.39%	-0.26%	1.13%	0.12%	1.25%	1.67%	-0.27%	1.40%	0.16%	1.56%	0.31%	1.56%	7.50%
962	Overton	22	20	4.75%	-0.97%	3.78%	0.24%	4.02%	4.77%	-1.00%	3.77%	0.26%	4.03%	0.01%	4.03%	12.50%
961	Ovilla	25	30	8.12%	1.60%	9.72%	0.19%	9.91%	8.37%	1.83%	10.20%	0.18%	10.38%	0.47%	10.38%	13.50%
963	Oyster Creek	23	21	8.85%	2.34%	11.19%	0.25%	11.44%	8.34%	2.28%	10.62%	0.26%	10.88%	-0.56%	10.88%	13.50%
964	Paducah	8	9	4.74%	-4.74%	0.00%	0.55%	0.55%	4.69%	-4.69%	0.00%	0.48%	0.48%	-0.07%	0.48%	9.50%
966	Palacios	37	37	10.22%	6.54%	16.76%	0.31%	17.07%	10.23%	6.22%	16.45%	0.31%	16.76%	-0.31%	16.76%	NO MAX
968	Palestine	164	171	7.79%	6.19%	13.98%	0.31%	14.29%	7.79%	5.88%	13.67%	0.31%	13.98%	-0.31%	13.98%	NO MAX
970	Palmer	22	23	9.03%	2.03%	11.06%	0.11%	11.17%	9.19%	2.17%	11.36%	0.12%	11.48%	0.31%	11.48%	13.50%
969	Palmhurst	27	31	5.35%	0.18%	5.53%	0.10%	5.63%	5.18%	0.26%	5.44%	0.10%	5.54%	-0.09%	5.54%	NO MAX
971	Palmview	66	68	1.10%	0.62%	1.72%	0.07%	1.79%	1.09%	0.62%	1.71%	0.07%	1.78%	-0.01%	1.78%	NO MAX

**SECTION 2**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2020**

CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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							
972	Pampa	152	161	9.44%	12.35%	21.79%	0.41%	22.20%	9.32%	11.35%	20.67%	0.34%	21.01%	-1.19%	21.01%	NO MAX
974	Panhandle	16	15	6.97%	4.07%	11.04%	0.00%	11.04%	6.83%	4.05%	10.88%	0.00%	10.88%	-0.16%	10.88%	NO MAX
973	Panorama Village	14	14	5.27%	-0.02%	5.25%	0.39%	5.64%	5.14%	-0.08%	5.06%	0.39%	5.45%	-0.19%	5.45%	12.50%
975	Pantego	43	42	10.76%	5.10%	15.86%	0.19%	16.05%	11.28%	4.42%	15.70%	0.22%	15.92%	-0.13%	15.92%	NO MAX
976	Paris	246	234	3.98%	2.80%	6.78%	0.36%	7.14%	3.92%	2.53%	6.45%	0.37%	6.82%	-0.32%	6.82%	NO MAX
977	Parker	24	24	8.33%	4.90%	13.23%	0.16%	13.39%	8.40%	5.25%	13.65%	0.16%	13.81%	0.42%	13.81%	13.50%
978	Pasadena	1,031	1,020	9.50%	3.74%	13.24%	0.30%	13.54%	9.52%	4.17%	13.69%	0.28%	13.97%	0.43%	13.97%	NO MAX
983	Pearland	713	763	9.88%	3.22%	13.10%	0.11%	13.21%	9.86%	3.08%	12.94%	0.11%	13.05%	-0.16%	13.05%	15.50%
984	Pearsall	70	69	3.14%	1.18%	4.32%	0.22%	4.54%	3.15%	0.71%	3.86%	0.18%	4.04%	-0.50%	4.04%	8.50%
988	Pecos City	143	148	5.97%	0.40%	6.37%	0.20%	6.57%	5.85%	0.63%	6.48%	0.21%	6.69%	0.12%	6.69%	11.50%
989	Pelican Bay	14	17	1.28%	2.85%	4.13%	0.07%	4.20%	1.50%	2.69%	4.19%	0.09%	4.28%	0.08%	4.28%	NO MAX
991	Penitas	37	43	3.07%	0.90%	3.97%	0.07%	4.04%	3.14%	0.80%	3.94%	0.07%	4.01%	-0.03%	4.01%	NO MAX
994	Perryton	78	76	7.93%	3.93%	11.86%	0.34%	12.20%	7.94%	2.13%	10.07%	0.33%	10.40%	-1.80%	10.40%	NO MAX
1000	Pflugerville	331	336	9.84%	3.45%	13.29%	0.14%	13.43%	9.96%	3.56%	13.52%	0.14%	13.66%	0.23%	13.66%	NO MAX
1002	Pharr	613	634	5.09%	2.38%	7.47%	0.18%	7.65%	5.09%	2.23%	7.32%	0.18%	7.50%	-0.15%	7.50%	NO MAX
1004	Pilot Point	55	55	9.53%	2.10%	11.63%	0.15%	11.78%	9.13%	2.08%	11.21%	0.17%	11.38%	-0.40%	11.38%	12.50%
1005	Pinehurst	21	21	11.51%	8.27%	19.78%	0.36%	20.14%	10.11%	7.45%	17.56%	0.40%	17.96%	-2.18%	17.96%	NO MAX
1003	Pineland	10	11	5.62%	-1.62%	4.00%	0.42%	4.42%	5.64%	-2.24%	3.40%	0.39%	3.79%	-0.63%	3.79%	NO MAX
1001	Piney Point Village	6	7	6.32%	0.44%	6.76%	0.29%	7.05%	5.81%	0.53%	6.34%	0.22%	6.56%	-0.49%	6.56%	NO MAX
1006	Pittsburg	36	35	9.36%	3.45%	12.81%	0.32%	13.13%	9.07%	1.83%	10.90%	0.33%	11.23%	-1.90%	11.23%	NO MAX
1007	Plains	9	9	4.98%	-0.39%	4.59%	0.20%	4.79%	5.06%	-0.74%	4.32%	0.22%	4.54%	-0.25%	4.54%	NO MAX
1008	Plainview	137	136	9.39%	2.42%	11.81%	0.00%	11.81%	9.57%	1.95%	11.52%	0.00%	11.52%	-0.29%	11.52%	NO MAX
1010	Plano	2,428	2,371	11.50%	5.18%	16.68%	0.00%	16.68%	11.55%	4.80%	16.35%	0.00%	16.35%	-0.33%	16.35%	NO MAX
1012	Pleasanton	112	111	8.97%	6.21%	15.18%	0.15%	15.33%	9.03%	5.98%	15.01%	0.15%	15.16%	-0.17%	15.16%	NO MAX
1013	Point	10	8	10.90%	2.02%	12.92%	0.00%	12.92%	11.20%	2.33%	13.53%	0.00%	13.53%	0.61%	13.53%	NO MAX
1017	Ponder	15	16	5.10%	0.67%	5.77%	0.40%	6.17%	5.13%	0.69%	5.82%	0.43%	6.25%	0.08%	6.25%	NO MAX
1014	Port Aransas	116	122	8.02%	3.36%	11.38%	0.22%	11.60%	8.07%	2.85%	10.92%	0.21%	11.13%	-0.47%	11.13%	12.50%
11016	Port Arthur	578	577	7.22%	6.70%	13.92%	0.32%	14.24%	7.26%	6.39%	13.65%	0.31%	13.96%	-0.28%	13.96%	NO MAX
1018	Port Isabel	71	53	4.17%	-0.16%	4.01%	0.26%	4.27%	4.25%	-0.42%	3.83%	0.28%	4.11%	-0.16%	4.11%	9.50%
1020	Port Lavaca	82	89	4.61%	1.15%	5.76%	0.41%	6.17%	4.58%	1.15%	5.73%	0.38%	6.11%	-0.06%	6.11%	9.50%
1022	Port Neches	96	96	9.18%	5.00%	14.18%	0.00%	14.18%	9.25%	5.35%	14.60%	0.00%	14.60%	0.42%	14.60%	NO MAX
1019	Portland	151	149	8.24%	4.98%	13.22%	0.23%	13.45%	8.13%	4.64%	12.77%	0.22%	12.99%	-0.46%	12.99%	NO MAX
1024	Post	21	23	6.80%	6.98%	13.78%	0.92%	14.70%	6.42%	6.44%	12.86%	0.73%	13.59%	-1.11%	13.59%	NO MAX

**SECTION 2**  
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CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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							
1026	Poteet	30	26	3.79%	-0.89%	2.90%	0.21%	3.11%	3.77%	-0.91%	2.86%	0.20%	3.06%	-0.05%	3.06%	9.50%
1028	Poth	8	10	2.23%	2.38%	4.61%	0.53%	5.14%	2.24%	2.35%	4.59%	0.50%	5.09%	-0.05%	5.09%	9.50%
1030	Pottsboro	21	20	6.28%	0.47%	6.75%	0.22%	6.97%	6.14%	0.44%	6.58%	0.24%	6.82%	-0.15%	6.82%	13.50%
1031	Prairie View	22	26	1.82%	1.22%	3.04%	0.12%	3.16%	1.76%	0.82%	2.58%	0.12%	2.70%	-0.46%	2.70%	NO MAX
1032	Premont	18	16	1.65%	-1.65%	0.00%	0.43%	0.43%	1.63%	-1.63%	0.00%	0.41%	0.41%	-0.02%	0.41%	7.50%
1029	Presidio	40	40	1.25%	-0.45%	0.80%	0.17%	0.97%	1.25%	-0.53%	0.72%	0.19%	0.91%	-0.06%	0.91%	NO MAX
1033	Primera	21	21	1.39%	-0.74%	0.65%	0.11%	0.76%	1.64%	-0.79%	0.85%	0.12%	0.97%	0.21%	0.97%	7.50%
1034	Princeton	98	104	10.37%	1.04%	11.41%	0.12%	11.53%	10.61%	1.24%	11.85%	0.12%	11.97%	0.44%	11.97%	13.50%
1036	Prosper	226	256	12.17%	1.57%	13.74%	0.00%	13.74%	12.63%	1.62%	14.25%	0.00%	14.25%	0.51%	14.25%	15.50%
1037	Providence Village	8	8	4.80%	2.11%	6.91%	0.10%	7.01%	4.79%	2.10%	6.89%	0.10%	6.99%	-0.02%	6.99%	NO MAX
1042	Quanah	12	15	5.44%	3.50%	8.94%	0.54%	9.48%	5.31%	-1.86%	3.45%	0.38%	3.83%	-5.65%	3.83%	NO MAX
1045	Queen City	14	11	2.42%	-0.82%	1.60%	0.14%	1.74%	2.60%	-0.89%	1.71%	0.17%	1.88%	0.14%	1.88%	7.50%
1044	Quinlan	17	17	10.18%	-0.49%	9.69%	0.11%	9.80%	10.25%	-0.42%	9.83%	0.12%	9.95%	0.15%	9.95%	12.50%
1047	Quintana	3	10	8.33%	1.55%	9.88%	0.09%	9.97%	7.53%	1.17%	8.70%	0.14%	8.84%	-1.13%	8.84%	NO MAX
1046	Quitaque	4	4	1.25%	3.12%	4.37%	0.34%	4.71%	1.25%	2.77%	4.02%	0.35%	4.37%	-0.34%	4.37%	NO MAX
1048	Quitman	23	24	6.35%	-0.64%	5.71%	0.37%	6.08%	6.36%	-0.71%	5.65%	0.38%	6.03%	-0.05%	6.03%	11.50%
1050	Ralls	13	8	5.60%	1.75%	7.35%	0.60%	7.95%	5.16%	-0.87%	4.29%	0.80%	5.09%	-2.86%	5.09%	9.50%
1051	Rancho Viejo	11	12	5.51%	-0.05%	5.46%	0.11%	5.57%	5.89%	-0.19%	5.70%	0.11%	5.81%	0.24%	5.81%	11.50%
1052	Ranger	19	20	8.76%	-1.00%	7.76%	0.00%	7.76%	8.94%	-0.95%	7.99%	0.00%	7.99%	0.23%	7.99%	12.50%
1054	Rankin	5	4	3.01%	8.41%	11.42%	0.35%	11.77%	2.99%	4.68%	7.67%	0.14%	7.81%	-3.96%	7.81%	NO MAX
1055	Ransom Canyon	12	11	5.33%	9.06%	14.39%	0.20%	14.59%	5.33%	8.96%	14.29%	0.21%	14.50%	-0.09%	14.50%	NO MAX
1058	Raymondville	71	69	4.32%	-2.14%	2.18%	0.47%	2.65%	4.28%	-2.50%	1.78%	0.37%	2.15%	-0.50%	2.15%	15.50%
1061	Red Oak	105	108	5.49%	1.28%	6.77%	0.11%	6.88%	5.48%	1.09%	6.57%	0.12%	6.69%	-0.19%	6.69%	13.50%
1062	Redwater	8	9	2.32%	0.50%	2.82%	0.11%	2.93%	2.42%	0.31%	2.73%	0.11%	2.84%	-0.09%	2.84%	NO MAX
1064	Refugio	28	30	0.97%	-0.97%	0.00%	0.00%	0.00%	1.10%	-1.10%	0.00%	0.00%	0.00%	0.00%	0.00%	7.50%
1065	Reklaw	5	5	8.23%	7.69%	15.92%	0.50%	16.42%	8.20%	7.36%	15.56%	0.52%	16.08%	-0.34%	16.08%	NO MAX
1066	Reno (Lamar County)	14	15	5.64%	-0.52%	5.12%	0.08%	5.20%	5.59%	-0.49%	5.10%	0.09%	5.19%	-0.01%	5.19%	11.50%
1069	Reno (Parker County)	17	17	3.50%	-0.22%	3.28%	0.15%	3.43%	3.95%	-0.30%	3.65%	0.13%	3.78%	0.35%	3.78%	NO MAX
1067	Rhome	17	18	6.91%	-0.49%	6.42%	0.15%	6.57%	7.17%	-0.46%	6.71%	0.16%	6.87%	0.30%	6.87%	13.50%
1068	Rice	13	13	1.46%	-0.24%	1.22%	0.12%	1.34%	1.63%	-0.26%	1.37%	0.15%	1.52%	0.18%	1.52%	7.50%
1070	Richardson	1,005	976	7.98%	6.82%	14.80%	0.00%	14.80%	8.00%	6.07%	14.07%	0.00%	14.07%	-0.73%	14.07%	NO MAX
1073	Richland Hills	76	73	11.73%	4.32%	16.05%	0.31%	16.36%	11.79%	4.22%	16.01%	0.32%	16.33%	-0.03%	16.33%	NO MAX
1074	Richland Springs	0	1	0.00%	0.00%	0.00%	0.00%	0.00%	3.10%	-3.10%	0.00%	0.68%	0.68%	0.68%	0.68%	NO MAX



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		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							
1076	Richmond	159	157	10.65%	4.48%	15.13%	0.18%	15.31%	10.64%	4.07%	14.71%	0.19%	14.90%	-0.41%	14.90%	NO MAX
1077	Richwood	23	23	7.87%	3.30%	11.17%	0.19%	11.36%	8.01%	3.24%	11.25%	0.20%	11.45%	0.09%	11.45%	NO MAX
1072	Riesel	8	8	1.03%	4.64%	5.67%	0.19%	5.86%	1.03%	4.83%	5.86%	0.18%	6.04%	0.18%	6.04%	NO MAX
1075	Rio Grande City	147	152	5.93%	1.03%	6.96%	0.12%	7.08%	6.00%	0.92%	6.92%	0.12%	7.04%	-0.04%	7.04%	NO MAX
1079	Rio Vista	9	9	2.69%	1.37%	4.06%	0.14%	4.20%	2.52%	1.21%	3.73%	0.14%	3.87%	-0.33%	3.87%	NO MAX
1080	Rising Star	6	7	1.88%	-1.88%	0.00%	0.54%	0.54%	1.99%	-1.99%	0.00%	0.51%	0.51%	-0.03%	0.51%	NO MAX
1082	River Oaks	69	67	10.59%	4.22%	14.81%	0.42%	15.23%	10.52%	3.42%	13.94%	0.39%	14.33%	-0.90%	14.33%	NO MAX
1084	Roanoke	131	125	12.96%	4.50%	17.46%	0.00%	17.46%	12.52%	4.66%	17.18%	0.00%	17.18%	-0.28%	17.18%	NO MAX
1088	Robert Lee	6	5	0.93%	2.91%	3.84%	0.32%	4.16%	0.73%	3.40%	4.13%	0.41%	4.54%	0.38%	4.54%	NO MAX
1089	Robinson	71	66	8.56%	4.94%	13.50%	0.20%	13.70%	8.66%	4.99%	13.65%	0.21%	13.86%	0.16%	13.86%	NO MAX
21090	Robstown	101	91	4.34%	1.18%	5.52%	0.18%	5.70%	4.32%	0.47%	4.79%	0.19%	4.98%	-0.72%	4.98%	9.50%
11090	Robstown Utility Systems	43	46	7.00%	10.73%	17.73%	0.38%	18.11%	7.09%	10.87%	17.96%	0.36%	18.32%	0.21%	18.32%	NO MAX
1092	Roby	2	2	6.39%	-1.43%	4.96%	1.59%	6.55%	6.39%	-0.71%	5.68%	1.61%	7.29%	0.74%	7.29%	NO MAX
1096	Rockdale	46	45	6.66%	1.59%	8.25%	0.38%	8.63%	6.50%	1.32%	7.82%	0.37%	8.19%	-0.44%	8.19%	11.50%
1098	Rockport	114	116	10.89%	6.46%	17.35%	0.30%	17.65%	11.13%	5.58%	16.71%	0.27%	16.98%	-0.67%	16.98%	NO MAX
1100	Rocksprings	8	10	2.61%	-1.01%	1.60%	0.00%	1.60%	2.23%	-0.71%	1.52%	0.00%	1.52%	-0.08%	1.52%	NO MAX
1102	Rockwall	289	289	11.87%	3.37%	15.24%	0.15%	15.39%	11.95%	3.11%	15.06%	0.14%	15.20%	-0.19%	15.20%	NO MAX
1104	Rogers	6	8	5.11%	4.73%	9.84%	0.00%	9.84%	5.42%	4.29%	9.71%	0.00%	9.71%	-0.13%	9.71%	NO MAX
1105	Rollingwood	15	18	9.44%	1.86%	11.30%	0.25%	11.55%	9.71%	2.00%	11.71%	0.25%	11.96%	0.41%	11.96%	13.50%
1106	Roma	123	129	6.83%	3.41%	10.24%	0.35%	10.59%	6.88%	2.66%	9.54%	0.38%	9.92%	-0.67%	9.92%	11.50%
1109	Roscoe	7	8	1.96%	-0.08%	1.88%	0.30%	2.18%	2.00%	-0.17%	1.83%	0.30%	2.13%	-0.05%	2.13%	NO MAX
1112	Rosebud	12	13	1.90%	-0.07%	1.83%	0.46%	2.29%	1.91%	-0.08%	1.83%	0.43%	2.26%	-0.03%	2.26%	NO MAX
1114	Rosenberg	278	279	9.76%	6.53%	16.29%	0.12%	16.41%	9.80%	6.07%	15.87%	0.12%	15.99%	-0.42%	15.99%	NO MAX
1116	Rotan	6	5	1.36%	-1.36%	0.00%	0.48%	0.48%	1.71%	-1.71%	0.00%	0.62%	0.62%	0.14%	0.62%	NO MAX
1118	Round Rock	980	974	10.99%	4.85%	15.84%	0.14%	15.98%	11.01%	4.93%	15.94%	0.14%	16.08%	0.10%	16.08%	NO MAX
1119	Rowlett	408	411	9.41%	3.62%	13.03%	0.00%	13.03%	9.48%	3.63%	13.11%	0.00%	13.11%	0.08%	13.11%	NO MAX
1120	Royse City	76	80	12.07%	3.40%	15.47%	0.15%	15.62%	12.38%	3.41%	15.79%	0.14%	15.93%	0.31%	15.93%	NO MAX
1122	Rule	3	3	3.67%	-2.08%	1.59%	0.21%	1.80%	2.77%	-2.57%	0.20%	0.18%	0.38%	-1.42%	0.38%	11.50%
1123	Runaway Bay	17	14	3.11%	-0.78%	2.33%	0.25%	2.58%	3.29%	-1.03%	2.26%	0.27%	2.53%	-0.05%	2.53%	9.50%
1124	Runge	3	6	4.29%	16.77%	21.06%	0.85%	21.91%	4.59%	7.50%	12.09%	0.55%	12.64%	-9.27%	12.64%	NO MAX
1126	Rusk	39	35	6.48%	-0.34%	6.14%	0.21%	6.35%	6.88%	-0.49%	6.39%	0.23%	6.62%	0.27%	6.62%	10.50%
1128	Sabinal	14	13	3.24%	-0.98%	2.26%	0.48%	2.74%	3.24%	-1.13%	2.11%	0.49%	2.60%	-0.14%	2.60%	9.50%
1129	Sachse	155	153	11.15%	3.50%	14.65%	0.14%	14.79%	11.04%	3.39%	14.43%	0.14%	14.57%	-0.22%	14.57%	NO MAX

**SECTION 2**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2020**

CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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			
1131	Saginaw	149	147	11.56%	9.55%	21.11%	0.17%	21.28%	11.63%	9.49%	21.12%	0.18%	21.30%	0.02%	21.30%	NO MAX
1130	Saint Jo	7	7	6.80%	-2.05%	4.75%	0.69%	5.44%	6.57%	-1.53%	5.04%	0.80%	5.84%	0.40%	5.30%	10.50%
1133	Salado	11	8	6.90%	-0.73%	6.17%	0.23%	6.40%	6.90%	-0.86%	6.04%	0.30%	6.34%	-0.06%	6.34%	NO MAX
1132	San Angelo	722	729	8.18%	9.15%	17.33%	0.00%	17.33%	8.20%	8.81%	17.01%	0.00%	17.01%	-0.32%	17.01%	NO MAX
21136	San Antonio	7,145	6,860	7.05%	5.30%	12.35%	0.00%	12.35%	7.03%	5.14%	12.17%	0.00%	12.17%	-0.18%	12.17%	NO MAX
11136	San Antonio Water System	1,716	1,767	2.11%	1.63%	3.74%	0.00%	3.74%	2.10%	1.54%	3.64%	0.00%	3.64%	-0.10%	3.64%	5.50%
1138	San Augustine	29	28	7.39%	1.34%	8.73%	0.40%	9.13%	7.51%	1.56%	9.07%	0.43%	9.50%	0.37%	9.50%	13.50%
1140	San Benito	170	164	3.69%	1.30%	4.99%	0.33%	5.32%	3.68%	1.04%	4.72%	0.36%	5.08%	-0.24%	5.08%	11.50%
1144	San Felipe	4	4	1.63%	3.42%	5.05%	0.23%	5.28%	1.75%	2.03%	3.78%	0.21%	3.99%	-1.29%	3.99%	NO MAX
1148	San Juan	233	245	4.38%	0.01%	4.39%	0.20%	4.59%	4.31%	-0.01%	4.30%	0.18%	4.48%	-0.11%	4.48%	12.50%
1150	San Marcos	664	690	10.67%	7.32%	17.99%	0.16%	18.15%	11.01%	7.24%	18.25%	0.16%	18.41%	0.26%	18.41%	NO MAX
1152	San Saba	43	46	6.18%	2.15%	8.33%	0.35%	8.68%	6.26%	2.00%	8.26%	0.33%	8.59%	-0.09%	8.59%	10.50%
1146	Sanger	66	70	6.42%	2.14%	8.56%	0.14%	8.70%	6.35%	2.15%	8.50%	0.14%	8.64%	-0.06%	8.64%	12.50%
1153	Sansom Park	35	35	7.69%	-0.76%	6.93%	0.15%	7.08%	7.50%	-0.84%	6.66%	0.14%	6.80%	-0.28%	6.80%	11.50%
1155	Santa Fe	63	61	9.10%	8.17%	17.27%	0.00%	17.27%	8.89%	8.93%	17.82%	0.00%	17.82%	0.55%	17.82%	NO MAX
1158	Savoy	3	3	5.19%	-2.73%	2.46%	0.40%	2.86%	5.10%	-2.62%	2.48%	0.47%	2.95%	0.09%	1.83%	10.50%
1159	Schertz	344	354	10.86%	5.46%	16.32%	0.13%	16.45%	10.94%	5.28%	16.22%	0.14%	16.36%	-0.09%	16.36%	NO MAX
1160	Schulenburg	40	41	9.52%	10.78%	20.30%	0.28%	20.58%	9.44%	9.18%	18.62%	0.24%	18.86%	-1.72%	18.86%	NO MAX
1161	Seabrook	109	107	9.95%	6.18%	16.13%	0.17%	16.30%	10.12%	5.50%	15.62%	0.17%	15.79%	-0.51%	15.79%	NO MAX
1162	Seadrift	14	16	1.26%	2.04%	3.30%	0.17%	3.47%	1.28%	1.40%	2.68%	0.17%	2.85%	-0.62%	2.85%	NO MAX
1164	Seagoville	103	104	8.06%	3.04%	11.10%	0.21%	11.31%	8.16%	3.07%	11.23%	0.21%	11.44%	0.13%	11.44%	13.50%
1166	Seagraves	19	18	7.72%	2.37%	10.09%	0.78%	10.87%	7.40%	1.11%	8.51%	0.77%	9.28%	-1.59%	9.28%	NO MAX
1167	Sealy	64	70	9.18%	4.13%	13.31%	0.19%	13.50%	9.19%	3.55%	12.74%	0.20%	12.94%	-0.56%	12.94%	NO MAX
1168	Seguin	395	415	9.92%	12.30%	22.22%	0.28%	22.50%	9.98%	11.81%	21.79%	0.25%	22.04%	-0.46%	22.04%	NO MAX
1169	Selma	85	86	11.40%	3.74%	15.14%	0.10%	15.24%	11.51%	3.70%	15.21%	0.10%	15.31%	0.07%	15.31%	NO MAX
1170	Seminole	57	58	8.40%	3.75%	12.15%	0.32%	12.47%	8.67%	3.12%	11.79%	0.29%	12.08%	-0.39%	12.08%	NO MAX
1171	Seven Points	19	17	9.63%	-5.17%	4.46%	0.31%	4.77%	9.61%	-5.91%	3.70%	0.35%	4.05%	-0.72%	2.46%	13.50%
1172	Seymour	29	27	3.48%	3.92%	7.40%	0.61%	8.01%	3.51%	3.94%	7.45%	0.67%	8.12%	0.11%	8.12%	8.50%
1165	Shady Shores	2	2	7.86%	2.32%	10.18%	0.05%	10.23%	7.86%	2.65%	10.51%	0.06%	10.57%	0.34%	10.57%	NO MAX
1177	Shallowater	15	15	4.87%	-0.30%	4.57%	0.18%	4.75%	4.71%	0.05%	4.76%	0.18%	4.94%	0.19%	4.94%	10.50%
1174	Shamrock	14	13	3.23%	6.31%	9.54%	1.41%	10.95%	3.20%	6.02%	9.22%	1.56%	10.78%	-0.17%	10.78%	NO MAX
1173	Shavano Park	49	49	11.23%	2.51%	13.74%	0.17%	13.91%	11.34%	2.64%	13.98%	0.18%	14.16%	0.25%	14.16%	NO MAX
1175	Shenandoah	52	53	11.33%	7.26%	18.59%	0.14%	18.73%	11.28%	7.01%	18.29%	0.15%	18.44%	-0.29%	18.44%	NO MAX

**SECTION 2**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2020**

CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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							
1181	Shepherd	10	9	4.05%	-1.64%	2.41%	0.10%	2.51%	4.81%	-2.06%	2.75%	0.23%	2.98%	0.47%	2.98%	11.50%
1176	Sherman	452	459	9.03%	5.46%	14.49%	0.26%	14.75%	9.08%	4.86%	13.94%	0.24%	14.18%	-0.57%	14.18%	NO MAX
1178	Shiner	31	33	5.46%	5.35%	10.81%	0.53%	11.34%	5.44%	5.38%	10.82%	0.48%	11.30%	-0.04%	11.30%	NO MAX
1179	Shoreacres	10	7	6.20%	-1.27%	4.93%	0.27%	5.20%	6.24%	-2.08%	4.16%	0.31%	4.47%	-0.73%	4.47%	9.50%
1180	Silsbee	66	66	10.20%	8.45%	18.65%	0.00%	18.65%	10.16%	7.91%	18.07%	0.00%	18.07%	-0.58%	18.07%	NO MAX
1182	Silverton	4	3	6.02%	-0.47%	5.55%	0.34%	5.89%	5.52%	-1.02%	4.50%	0.47%	4.97%	-0.92%	4.97%	NO MAX
1183	Simonton	2	2	1.64%	0.91%	2.55%	0.03%	2.58%	1.65%	1.14%	2.79%	0.03%	2.82%	0.24%	2.82%	NO MAX
1184	Sinton	51	43	8.24%	4.05%	12.29%	0.23%	12.52%	8.15%	4.31%	12.46%	0.29%	12.75%	0.23%	12.75%	NO MAX
1185	Skellytown	5	4	3.95%	-1.37%	2.58%	0.10%	2.68%	3.72%	-1.81%	1.91%	0.06%	1.97%	-0.71%	1.97%	9.50%
1186	Slaton	45	46	6.31%	0.44%	6.75%	0.34%	7.09%	6.21%	0.71%	6.92%	0.36%	7.28%	0.19%	7.28%	12.50%
1188	Smithville	64	64	4.99%	2.07%	7.06%	0.35%	7.41%	5.01%	1.79%	6.80%	0.35%	7.15%	-0.26%	7.15%	9.50%
1189	Smyer	2	2	5.38%	5.09%	10.47%	0.14%	10.61%	5.34%	1.86%	7.20%	0.15%	7.35%	-3.26%	7.35%	13.50%
1190	Snyder	83	83	9.50%	4.24%	13.74%	0.32%	14.06%	9.48%	3.97%	13.45%	0.33%	13.78%	-0.28%	13.78%	NO MAX
1191	Somerset	12	13	2.71%	-0.37%	2.34%	1.51%	3.85%	2.77%	-0.39%	2.38%	1.73%	4.11%	0.26%	4.11%	9.50%
1192	Somerville	15	16	5.63%	-0.62%	5.01%	0.47%	5.48%	5.41%	-0.77%	4.64%	0.42%	5.06%	-0.42%	5.06%	9.50%
1194	Sonora	31	31	6.59%	2.33%	8.92%	0.39%	9.31%	6.59%	1.12%	7.71%	0.45%	8.16%	-1.15%	8.16%	NO MAX
1196	Sour Lake	16	14	6.31%	-0.59%	5.72%	0.20%	5.92%	6.18%	-0.74%	5.44%	0.23%	5.67%	-0.25%	5.67%	13.50%
1198	South Houston	119	119	6.43%	3.24%	9.67%	0.33%	10.00%	6.38%	2.49%	8.87%	0.36%	9.23%	-0.77%	9.23%	NO MAX
1199	South Padre Island	173	159	10.75%	1.80%	12.55%	0.18%	12.73%	11.02%	1.23%	12.25%	0.20%	12.45%	-0.28%	12.45%	13.50%
1197	Southlake	343	352	9.41%	2.98%	12.39%	0.13%	12.52%	9.37%	2.96%	12.33%	0.14%	12.47%	-0.05%	12.47%	13.50%
1200	Southmayd	8	9	1.48%	2.12%	3.60%	0.10%	3.70%	1.62%	1.80%	3.42%	0.10%	3.52%	-0.18%	3.52%	NO MAX
1202	Southside Place	22	21	8.57%	2.78%	11.35%	0.38%	11.73%	8.48%	2.53%	11.01%	0.34%	11.35%	-0.38%	11.35%	NO MAX
1204	Spearman	26	26	9.01%	1.97%	10.98%	0.31%	11.29%	9.29%	1.45%	10.74%	0.33%	11.07%	-0.22%	11.07%	13.50%
1201	Splendora	26	29	2.50%	2.95%	5.45%	0.12%	5.57%	2.62%	2.34%	4.96%	0.13%	5.09%	-0.48%	5.09%	NO MAX
1205	Spring Valley Village	39	39	5.74%	0.93%	6.67%	0.18%	6.85%	5.58%	0.75%	6.33%	0.17%	6.50%	-0.35%	6.50%	NO MAX
1203	Springtown	47	47	10.66%	-1.17%	9.49%	0.18%	9.67%	10.79%	-1.07%	9.72%	0.20%	9.92%	0.25%	9.92%	13.50%
1206	Spur	10	8	2.29%	2.92%	5.21%	0.18%	5.39%	2.49%	2.31%	4.80%	0.28%	5.08%	-0.31%	5.08%	NO MAX
1207	Stafford	187	187	11.40%	2.65%	14.05%	0.23%	14.28%	11.31%	2.31%	13.62%	0.22%	13.84%	-0.44%	13.84%	NO MAX
1208	Stamford	23	22	5.46%	-0.73%	4.73%	0.63%	5.36%	5.52%	-0.73%	4.79%	0.68%	5.47%	0.11%	5.47%	9.50%
1210	Stanton	19	20	4.55%	1.14%	5.69%	0.19%	5.88%	4.58%	1.04%	5.62%	0.20%	5.82%	-0.06%	5.82%	9.50%
1211	Star Harbor	4	4	7.70%	2.93%	10.63%	0.86%	11.49%	7.67%	5.20%	12.87%	1.03%	13.90%	2.41%	13.90%	NO MAX
1212	Stephenville	156	158	7.57%	-0.52%	7.05%	0.26%	7.31%	7.51%	-0.68%	6.83%	0.26%	7.09%	-0.22%	7.09%	NO MAX
1213	Sterling City	6	6	1.33%	-0.15%	1.18%	0.00%	1.18%	1.35%	-0.22%	1.13%	0.00%	1.13%	-0.05%	1.13%	7.50%

**SECTION 2**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2020**

CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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			
1214	Stinnett	17	19	2.23%	-2.13%	0.10%	0.33%	0.43%	2.26%	-2.03%	0.23%	0.22%	0.45%	0.02%	0.45%	9.50%
1216	Stockdale	8	8	2.85%	1.90%	4.75%	0.33%	5.08%	2.86%	1.76%	4.62%	0.35%	4.97%	-0.11%	4.97%	NO MAX
1218	Stratford	13	12	7.25%	1.76%	9.01%	0.26%	9.27%	7.37%	2.20%	9.57%	0.31%	9.88%	0.61%	9.88%	NO MAX
1224	Sudan	9	9	1.56%	-0.11%	1.45%	0.00%	1.45%	1.57%	-0.40%	1.17%	0.00%	1.17%	-0.28%	1.17%	7.50%
1225	Sugar Land	766	790	10.84%	3.59%	14.43%	0.14%	14.57%	10.80%	3.55%	14.35%	0.13%	14.48%	-0.09%	14.48%	NO MAX
1226	Sulphur Springs	145	148	4.74%	3.08%	7.82%	0.30%	8.12%	4.69%	2.85%	7.54%	0.30%	7.84%	-0.28%	7.84%	NO MAX
1228	Sundown	11	11	8.08%	4.07%	12.15%	0.38%	12.53%	8.08%	4.15%	12.23%	0.41%	12.64%	0.11%	12.64%	NO MAX
1229	Sunnyvale	46	72	10.22%	1.75%	11.97%	0.24%	12.21%	10.20%	1.38%	11.58%	0.19%	11.77%	-0.44%	11.77%	NO MAX
1230	Sunray	12	13	10.02%	5.08%	15.10%	0.31%	15.41%	9.90%	4.49%	14.39%	0.32%	14.71%	-0.70%	14.71%	NO MAX
1227	Sunrise Beach Village	10	10	1.40%	0.00%	1.40%	0.20%	1.60%	1.40%	0.06%	1.46%	0.21%	1.67%	0.07%	1.67%	7.50%
1231	Sunset Valley	29	23	9.36%	1.57%	10.93%	0.11%	11.04%	10.09%	1.45%	11.54%	0.13%	11.67%	0.63%	11.67%	13.50%
1233	Surfside Beach	24	27	2.06%	-0.65%	1.41%	0.18%	1.59%	2.09%	-0.54%	1.55%	0.18%	1.73%	0.14%	1.73%	9.50%
1232	Sweeny	24	23	9.38%	6.45%	15.83%	0.46%	16.29%	9.17%	6.07%	15.24%	0.50%	15.74%	-0.55%	15.74%	NO MAX
1234	Sweetwater	111	99	9.24%	7.11%	16.35%	0.26%	16.61%	9.15%	7.03%	16.18%	0.30%	16.48%	-0.13%	16.48%	NO MAX
1264	TMRS	118	120	11.26%	4.24%	15.50%	0.17%	15.67%	11.23%	3.96%	15.19%	0.17%	15.36%	-0.31%	15.36%	NO MAX
1236	Taft	27	30	12.65%	3.87%	16.52%	0.45%	16.97%	11.58%	3.61%	15.19%	0.41%	15.60%	-1.37%	15.60%	NO MAX
1238	Tahoka	20	21	3.99%	-3.41%	0.58%	0.36%	0.94%	4.28%	-3.73%	0.55%	0.41%	0.96%	0.02%	0.96%	11.50%
1240	Talty	7	6	5.84%	8.86%	14.70%	0.36%	15.06%	5.78%	5.66%	11.44%	0.44%	11.88%	-3.18%	11.88%	NO MAX
1241	Tatum	9	10	1.42%	0.39%	1.81%	0.21%	2.02%	1.34%	0.41%	1.75%	0.20%	1.95%	-0.07%	1.95%	7.50%
1246	Taylor	159	153	9.13%	4.05%	13.18%	0.28%	13.46%	9.09%	3.60%	12.69%	0.23%	12.92%	-0.54%	12.92%	NO MAX
1248	Teague	21	22	8.78%	-0.52%	8.26%	0.33%	8.59%	8.74%	-0.81%	7.93%	0.33%	8.26%	-0.33%	8.26%	13.50%
1252	Temple	689	707	10.47%	6.58%	17.05%	0.29%	17.34%	10.75%	5.98%	16.73%	0.26%	16.99%	-0.35%	16.99%	NO MAX
1254	Tenaha	6	7	1.19%	-0.83%	0.36%	0.50%	0.86%	1.07%	-1.07%	0.00%	0.52%	0.52%	-0.34%	0.52%	7.50%
1256	Terrell	190	185	10.90%	5.36%	16.26%	0.27%	16.53%	10.90%	5.35%	16.25%	0.27%	16.52%	-0.01%	16.52%	NO MAX
1258	Terrell Hills	48	50	9.95%	5.71%	15.66%	0.22%	15.88%	9.85%	5.65%	15.50%	0.20%	15.70%	-0.18%	15.70%	NO MAX
31263	Tex Municipal League IEBP	126	124	5.70%	2.31%	8.01%	0.15%	8.16%	5.73%	2.78%	8.51%	0.15%	8.66%	0.50%	8.66%	12.50%
21263	Tex Municipal League IRP	250	244	10.14%	0.41%	10.55%	0.18%	10.73%	10.01%	0.43%	10.44%	0.18%	10.62%	-0.11%	10.62%	NO MAX
21260	Texarkana	207	203	9.11%	6.20%	15.31%	0.00%	15.31%	9.20%	5.74%	14.94%	0.00%	14.94%	-0.37%	14.94%	NO MAX
11260	Texarkana Police Dept	86	89	10.21%	4.55%	14.76%	0.00%	14.76%	10.15%	4.60%	14.75%	0.00%	14.75%	-0.01%	14.75%	NO MAX
31260	Texarkana Water Utilities	161	158	9.63%	6.51%	16.14%	0.00%	16.14%	9.74%	6.29%	16.03%	0.00%	16.03%	-0.11%	16.03%	NO MAX
1262	Texas City	424	422	9.91%	6.69%	16.60%	0.00%	16.60%	10.08%	6.71%	16.79%	0.00%	16.79%	0.19%	16.79%	NO MAX
11263	Texas Municipal League	33	33	7.78%	6.49%	14.27%	0.25%	14.52%	7.70%	5.63%	13.33%	0.24%	13.57%	-0.95%	13.57%	NO MAX
1267	The Colony	367	375	9.94%	3.55%	13.49%	0.15%	13.64%	9.89%	3.58%	13.47%	0.16%	13.63%	-0.01%	13.63%	NO MAX

**SECTION 2**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
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CITY NUMBER	CITY NAME	Contributing Members		2021 RATES					2022 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			
1269	Thompsons	3	3	1.86%	2.39%	4.25%	0.17%	4.42%	1.86%	2.26%	4.12%	0.18%	4.30%	-0.12%	4.30%	NO MAX
1268	Thorndale	10	10	6.22%	1.06%	7.28%	0.30%	7.58%	6.20%	1.12%	7.32%	0.34%	7.66%	0.08%	7.66%	9.50%
1272	Thrall	6	7	4.12%	2.57%	6.69%	0.27%	6.96%	3.95%	2.03%	5.98%	0.29%	6.27%	-0.69%	6.27%	NO MAX
1274	Three Rivers	40	38	10.20%	13.66%	23.86%	0.48%	24.34%	10.11%	13.15%	23.26%	0.52%	23.78%	-0.56%	23.78%	NO MAX
1276	Throckmorton	5	5	5.60%	0.75%	6.35%	0.42%	6.77%	5.88%	-0.29%	5.59%	0.45%	6.04%	-0.73%	6.04%	9.50%
1277	Tiki Island	8	8	2.15%	1.23%	3.38%	0.19%	3.57%	2.37%	1.15%	3.52%	0.23%	3.75%	0.18%	3.75%	NO MAX
1278	Timpson	8	7	2.72%	-1.05%	1.67%	0.31%	1.98%	2.72%	-1.08%	1.64%	0.36%	2.00%	0.02%	2.00%	7.50%
1280	Tioga	10	11	2.03%	-0.30%	1.73%	0.12%	1.85%	2.17%	-0.28%	1.89%	0.13%	2.02%	0.17%	2.02%	9.50%
1283	Tolar	6	5	6.84%	-0.12%	6.72%	0.18%	6.90%	7.33%	-0.27%	7.06%	0.20%	7.26%	0.36%	7.26%	NO MAX
1286	Tom Bean	8	6	3.56%	-0.71%	2.85%	0.14%	2.99%	3.59%	-0.85%	2.74%	0.17%	2.91%	-0.08%	2.91%	10.50%
1284	Tomball	177	186	9.47%	3.84%	13.31%	0.22%	13.53%	9.22%	3.76%	12.98%	0.22%	13.20%	-0.33%	13.20%	NO MAX
1290	Trent	2	2	4.77%	1.52%	6.29%	0.63%	6.92%	4.78%	0.16%	4.94%	0.67%	5.61%	-1.31%	5.61%	11.50%
1292	Trenton	6	6	4.83%	-0.79%	4.04%	0.36%	4.40%	4.79%	-0.61%	4.18%	0.35%	4.53%	0.13%	4.53%	9.50%
1293	Trinidad	5	7	1.89%	0.16%	2.05%	0.47%	2.52%	1.68%	-0.16%	1.52%	0.39%	1.91%	-0.61%	1.91%	7.50%
1294	Trinity	23	21	6.41%	0.43%	6.84%	0.42%	7.26%	6.31%	-0.08%	6.23%	0.44%	6.67%	-0.59%	6.67%	11.50%
1295	Trophy Club	77	78	11.26%	2.19%	13.45%	0.17%	13.62%	10.63%	1.95%	12.58%	0.17%	12.75%	-0.87%	12.75%	NO MAX
1296	Troup	22	22	4.61%	0.53%	5.14%	0.43%	5.57%	4.58%	0.68%	5.26%	0.39%	5.65%	0.08%	5.65%	9.50%
1297	Troy	13	12	9.73%	0.48%	10.21%	0.42%	10.63%	9.63%	0.56%	10.19%	0.44%	10.63%	0.00%	10.63%	13.50%
1298	Tulia	36	38	8.16%	1.31%	9.47%	0.29%	9.76%	7.81%	0.51%	8.32%	0.29%	8.61%	-1.15%	8.61%	NO MAX
1299	Turkey	4	4	2.11%	3.01%	5.12%	0.80%	5.92%	2.11%	3.15%	5.26%	0.81%	6.07%	0.15%	6.07%	NO MAX
1300	Tuscola	N/A	4	2.04%	4.18%	6.22%	0.12%	6.34%	2.01%	3.66%	5.67%	0.12%	5.79%	-0.55%	5.79%	NO MAX
1301	Tye	15	16	3.82%	1.75%	5.57%	0.18%	5.75%	3.86%	1.65%	5.51%	0.20%	5.71%	-0.04%	5.71%	NO MAX
1304	Tyler	684	701	9.42%	11.63%	21.05%	0.33%	21.38%	9.44%	11.20%	20.64%	0.31%	20.95%	-0.43%	20.95%	NO MAX
1305	Universal City	131	129	9.86%	8.52%	18.38%	0.17%	18.55%	9.97%	8.67%	18.64%	0.17%	18.81%	0.26%	18.81%	NO MAX
1306	University Park	220	217	5.75%	3.05%	8.80%	0.00%	8.80%	5.87%	2.78%	8.65%	0.00%	8.65%	-0.15%	8.65%	NO MAX
1308	Uvalde	166	167	4.40%	1.35%	5.75%	0.25%	6.00%	4.37%	1.11%	5.48%	0.23%	5.71%	-0.29%	5.71%	9.50%
1312	Valley Mills	9	8	2.29%	-0.15%	2.14%	0.12%	2.26%	2.23%	-0.20%	2.03%	0.11%	2.14%	-0.12%	2.14%	NO MAX
1313	Valley View	5	5	2.00%	-0.09%	1.91%	0.13%	2.04%	1.89%	-0.14%	1.75%	0.13%	1.88%	-0.16%	1.88%	NO MAX
1314	Van	20	25	7.51%	-0.23%	7.28%	0.36%	7.64%	7.20%	-0.53%	6.67%	0.30%	6.97%	-0.67%	6.97%	12.50%
1316	Van Alstyne	46	47	8.19%	1.77%	9.96%	0.18%	10.14%	8.39%	1.75%	10.14%	0.21%	10.35%	0.21%	10.35%	12.50%
1318	Van Horn	27	22	4.72%	3.24%	7.96%	0.22%	8.18%	4.78%	3.22%	8.00%	0.27%	8.27%	0.09%	8.27%	9.50%
1320	Vega	6	4	10.82%	13.54%	24.36%	0.24%	24.60%	10.39%	9.91%	20.30%	0.40%	20.70%	-3.90%	20.70%	NO MAX
1324	Venus	22	26	10.44%	0.18%	10.62%	0.00%	10.62%	10.68%	0.01%	10.69%	0.00%	10.69%	0.07%	10.69%	13.50%

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				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							
1326	Vernon	88	88	7.44%	4.76%	12.20%	0.54%	12.74%	7.41%	4.17%	11.58%	0.47%	12.05%	-0.69%	12.05%	NO MAX
1328	Victoria	579	585	7.66%	8.66%	16.32%	0.30%	16.62%	7.69%	8.02%	15.71%	0.30%	16.01%	-0.61%	16.01%	NO MAX
1329	Vidor	68	66	9.09%	5.10%	14.19%	0.37%	14.56%	9.95%	4.79%	14.74%	0.34%	15.08%	0.52%	15.08%	NO MAX
1500	Village Fire Department	48	48	5.30%	1.77%	7.07%	0.14%	7.21%	5.26%	1.29%	6.55%	0.15%	6.70%	-0.51%	6.70%	NO MAX
1327	Village of the Hills	1	1	6.65%	1.34%	7.99%	0.05%	8.04%	6.65%	1.84%	8.49%	0.05%	8.54%	0.50%	8.54%	NO MAX
1330	Waco	1,449	1,433	7.70%	6.99%	14.69%	0.00%	14.69%	7.72%	6.62%	14.34%	0.00%	14.34%	-0.35%	14.34%	NO MAX
1332	Waelder	18	20	2.27%	0.28%	2.55%	0.47%	3.02%	2.25%	0.40%	2.65%	0.42%	3.07%	0.05%	3.07%	7.50%
1334	Wake Village	26	25	9.49%	4.11%	13.60%	0.43%	14.03%	9.64%	4.36%	14.00%	0.45%	14.45%	0.42%	14.45%	NO MAX
1336	Waller	35	40	4.18%	-0.16%	4.02%	0.36%	4.38%	4.39%	-0.28%	4.11%	0.36%	4.47%	0.09%	4.47%	9.50%
1337	Wallis	12	16	2.89%	-0.62%	2.27%	0.21%	2.48%	2.97%	-0.64%	2.33%	0.22%	2.55%	0.07%	2.55%	8.50%
1338	Walnut Springs	2	2	1.54%	2.33%	3.87%	0.22%	4.09%	1.55%	2.42%	3.97%	0.24%	4.21%	0.12%	4.21%	NO MAX
1340	Waskom	13	14	3.14%	3.46%	6.60%	0.29%	6.89%	3.01%	3.61%	6.62%	0.30%	6.92%	0.03%	6.92%	7.50%
1341	Watauga	155	150	10.09%	4.78%	14.87%	0.18%	15.05%	10.26%	4.56%	14.82%	0.19%	15.01%	-0.04%	15.01%	NO MAX
1342	Waxahachie	293	312	10.01%	5.58%	15.59%	0.20%	15.79%	10.12%	5.48%	15.60%	0.18%	15.78%	-0.01%	15.78%	NO MAX
1344	Weatherford	362	361	9.71%	4.07%	13.78%	0.21%	13.99%	9.67%	3.85%	13.52%	0.22%	13.74%	-0.25%	13.74%	NO MAX
1345	Webster	159	163	12.02%	5.37%	17.39%	0.23%	17.62%	12.32%	5.20%	17.52%	0.24%	17.76%	0.14%	17.76%	NO MAX
1346	Weimar	27	29	9.15%	5.15%	14.30%	0.36%	14.66%	8.92%	4.81%	13.73%	0.35%	14.08%	-0.58%	14.08%	NO MAX
1350	Wellington	14	14	4.85%	-1.62%	3.23%	0.44%	3.67%	4.87%	-1.58%	3.29%	0.47%	3.76%	0.09%	3.76%	NO MAX
1352	Wells	7	6	3.82%	-0.60%	3.22%	0.00%	3.22%	3.99%	-0.84%	3.15%	0.00%	3.15%	-0.07%	3.15%	7.50%
1354	Weslaco	240	245	5.04%	3.26%	8.30%	0.26%	8.56%	4.97%	2.89%	7.86%	0.25%	8.11%	-0.45%	8.11%	NO MAX
1356	West	22	21	5.19%	0.98%	6.17%	0.28%	6.45%	5.17%	0.59%	5.76%	0.27%	6.03%	-0.42%	6.03%	11.50%
1358	West Columbia	34	34	5.42%	-1.21%	4.21%	0.00%	4.21%	5.19%	-1.23%	3.96%	0.00%	3.96%	-0.25%	3.96%	11.50%
1359	West Lake Hills	25	25	11.09%	5.31%	16.40%	0.49%	16.89%	11.25%	4.80%	16.05%	0.44%	16.49%	-0.40%	16.49%	NO MAX
1361	West Orange	23	24	9.74%	8.69%	18.43%	0.00%	18.43%	9.94%	8.86%	18.80%	0.00%	18.80%	0.37%	18.80%	NO MAX
1365	West Tawakoni	14	10	5.25%	3.04%	8.29%	0.36%	8.65%	5.29%	2.33%	7.62%	0.36%	7.98%	-0.67%	7.98%	NO MAX
1364	West Univ. Place	114	127	8.44%	4.39%	12.83%	0.23%	13.06%	8.68%	4.23%	12.91%	0.22%	13.13%	0.07%	13.13%	NO MAX
1363	Westlake	45	46	9.07%	2.70%	11.77%	0.11%	11.88%	9.05%	2.54%	11.59%	0.12%	11.71%	-0.17%	11.71%	NO MAX
1362	Westover Hills	24	24	5.61%	0.56%	6.17%	0.50%	6.67%	5.56%	0.48%	6.04%	0.45%	6.49%	-0.18%	6.49%	13.50%
1366	Westworth Village	43	38	10.52%	1.56%	12.08%	0.20%	12.28%	10.03%	0.47%	10.50%	0.23%	10.73%	-1.55%	10.73%	13.50%
1368	Wharton	98	103	4.66%	0.72%	5.38%	0.24%	5.62%	4.66%	0.40%	5.06%	0.24%	5.30%	-0.32%	5.30%	9.50%
1370	Wheeler	7	7	6.90%	2.15%	9.05%	0.21%	9.26%	6.91%	2.32%	9.23%	0.23%	9.46%	0.20%	9.46%	NO MAX
1372	White Deer	6	6	3.85%	6.61%	10.46%	0.99%	11.45%	3.86%	5.56%	9.42%	1.04%	10.46%	-0.99%	10.46%	NO MAX
1377	White Oak	44	43	11.85%	2.24%	14.09%	0.29%	14.38%	11.24%	1.55%	12.79%	0.31%	13.10%	-1.28%	13.10%	NO MAX

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		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							
1378	White Settlement	119	120	9.78%	7.29%	17.07%	0.20%	17.27%	9.67%	7.40%	17.07%	0.21%	17.28%	0.01%	17.28%	NO MAX
1374	Whiteface	3	3	6.02%	-2.78%	3.24%	1.09%	4.33%	6.01%	-3.17%	2.84%	1.20%	4.04%	-0.29%	4.04%	NO MAX
1375	Whitehouse	41	45	6.76%	1.73%	8.49%	0.23%	8.72%	6.95%	1.36%	8.31%	0.23%	8.54%	-0.18%	8.54%	11.50%
1376	Whitesboro	47	48	5.16%	1.16%	6.32%	0.30%	6.62%	5.16%	0.70%	5.86%	0.22%	6.08%	-0.54%	6.08%	9.50%
1380	Whitewright	18	19	3.57%	-0.71%	2.86%	0.28%	3.14%	3.44%	-0.57%	2.87%	0.26%	3.13%	-0.01%	3.13%	9.50%
1382	Whitney	20	20	3.41%	0.41%	3.82%	0.21%	4.03%	3.54%	0.07%	3.61%	0.22%	3.83%	-0.20%	3.83%	7.50%
1384	Wichita Falls	975	932	6.91%	9.66%	16.57%	0.00%	16.57%	6.89%	9.53%	16.42%	0.00%	16.42%	-0.15%	16.42%	NO MAX
1386	Willis	40	45	8.33%	1.41%	9.74%	0.23%	9.97%	8.01%	1.46%	9.47%	0.22%	9.69%	-0.28%	9.69%	13.50%
1387	Willow Park	40	42	6.28%	0.81%	7.09%	0.11%	7.20%	6.28%	0.71%	6.99%	0.11%	7.10%	-0.10%	7.10%	NO MAX
1388	Wills Point	34	28	5.87%	5.59%	11.46%	0.36%	11.82%	5.76%	5.06%	10.82%	0.43%	11.25%	-0.57%	11.25%	NO MAX
1390	Wilmer	56	55	5.31%	0.10%	5.41%	0.11%	5.52%	5.60%	-0.18%	5.42%	0.12%	5.54%	0.02%	5.54%	13.50%
1392	Wimberley	9	9	4.38%	1.76%	6.14%	0.24%	6.38%	4.07%	1.59%	5.66%	0.30%	5.96%	-0.42%	5.96%	NO MAX
1393	Windcrest	69	74	6.56%	0.41%	6.97%	0.22%	7.19%	6.63%	0.37%	7.00%	0.20%	7.20%	0.01%	7.20%	10.50%
1395	Winfield	2	2	2.90%	-0.23%	2.67%	0.21%	2.88%	2.90%	-0.32%	2.58%	0.24%	2.82%	-0.06%	2.82%	NO MAX
1396	Wink	11	12	6.50%	0.10%	6.60%	0.23%	6.83%	6.27%	-0.25%	6.02%	0.24%	6.26%	-0.57%	6.26%	NO MAX
1398	Winnsboro	40	42	6.58%	2.09%	8.67%	0.24%	8.91%	6.65%	2.15%	8.80%	0.25%	9.05%	0.14%	9.05%	11.50%
1399	Winona	4	4	12.00%	-6.32%	5.68%	0.48%	6.16%	12.01%	-7.25%	4.76%	0.47%	5.23%	-0.93%	3.41%	13.50%
1400	Winters	16	15	8.01%	3.07%	11.08%	0.66%	11.74%	7.88%	2.77%	10.65%	0.73%	11.38%	-0.36%	11.38%	11.50%
1403	Wolfforth	37	39	6.79%	4.24%	11.03%	0.14%	11.17%	6.96%	3.97%	10.93%	0.15%	11.08%	-0.09%	11.08%	NO MAX
1409	Woodcreek	3	3	9.82%	0.37%	10.19%	0.36%	10.55%	9.81%	0.60%	10.41%	0.50%	10.91%	0.36%	10.91%	NO MAX
1404	Woodsboro	10	10	3.53%	-1.87%	1.66%	0.16%	1.82%	3.80%	-1.86%	1.94%	0.18%	2.12%	0.30%	2.12%	7.50%
1406	Woodville	31	33	9.99%	6.93%	16.92%	0.29%	17.21%	10.07%	6.49%	16.56%	0.29%	16.85%	-0.36%	16.85%	NO MAX
1407	Woodway	83	84	9.66%	7.61%	17.27%	0.18%	17.45%	9.62%	8.05%	17.67%	0.18%	17.85%	0.40%	17.85%	NO MAX
1408	Wortham	8	8	6.70%	-0.65%	6.05%	0.09%	6.14%	6.70%	-0.49%	6.21%	0.09%	6.30%	0.16%	6.30%	12.50%
1410	Wylie	334	343	10.92%	4.48%	15.40%	0.10%	15.50%	10.91%	4.36%	15.27%	0.12%	15.39%	-0.11%	15.39%	NO MAX
1412	Yoakum	81	88	7.71%	8.39%	16.10%	0.33%	16.43%	7.76%	8.24%	16.00%	0.34%	16.34%	-0.09%	16.34%	NO MAX
1414	Yorktown	11	11	1.22%	-0.04%	1.18%	0.65%	1.83%	1.23%	-1.23%	0.00%	0.60%	0.60%	-1.23%	0.60%	7.50%
1415	Zavalla	9	10	3.77%	-1.91%	1.86%	0.00%	1.86%	3.52%	-1.53%	1.99%	0.00%	1.99%	0.13%	1.56%	9.50%

## **SECTION 3**

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### **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 2021 to 2022. 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, 2020 the System-wide return on an AVA basis was 7.01%, 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 Rate, the contribution lag, 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 Rate may include phase-in contributions, contributions in excess of the Full 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, 2020 sets the rate effective for 2022). This impact is expected to become immaterial once a city is contributing the Full Rate and the Full Rate stabilizes.

**Payroll Growth** - Shows the increase or decrease in the contribution rate associated with higher or lower than expected growth in the member 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.

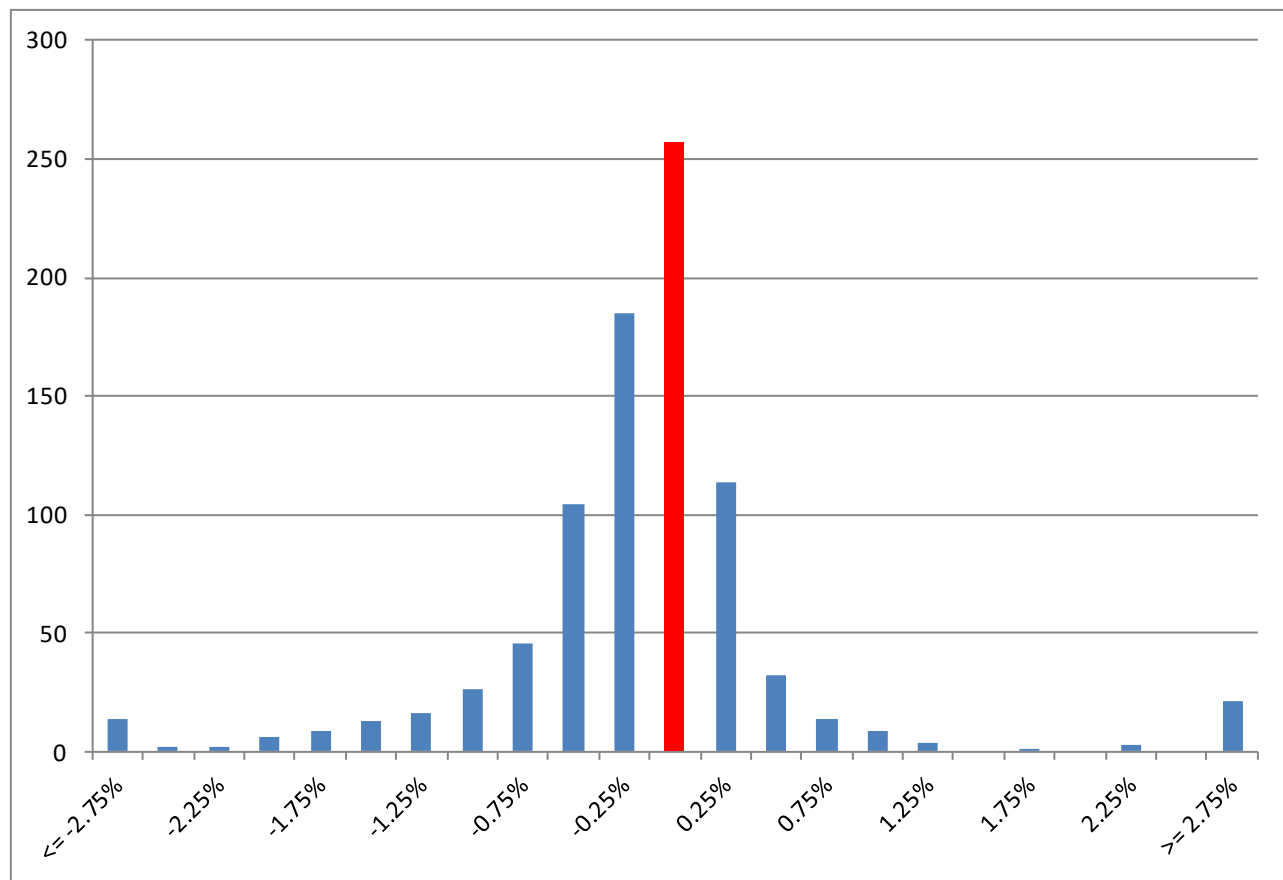
**Normal Cost** - Shows the increase or decrease in the contribution rate associated with changes in the average Normal Cost Rate for the individual city's active members. The normal cost rate for an employee is the contribution rate which, if applied to a member's compensation throughout their period of anticipated covered service with the city, would be sufficient to meet all benefits payable on their behalf. The employer normal cost rate is the pay-weighted average of the individual normal cost rates less the employee deposit 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.



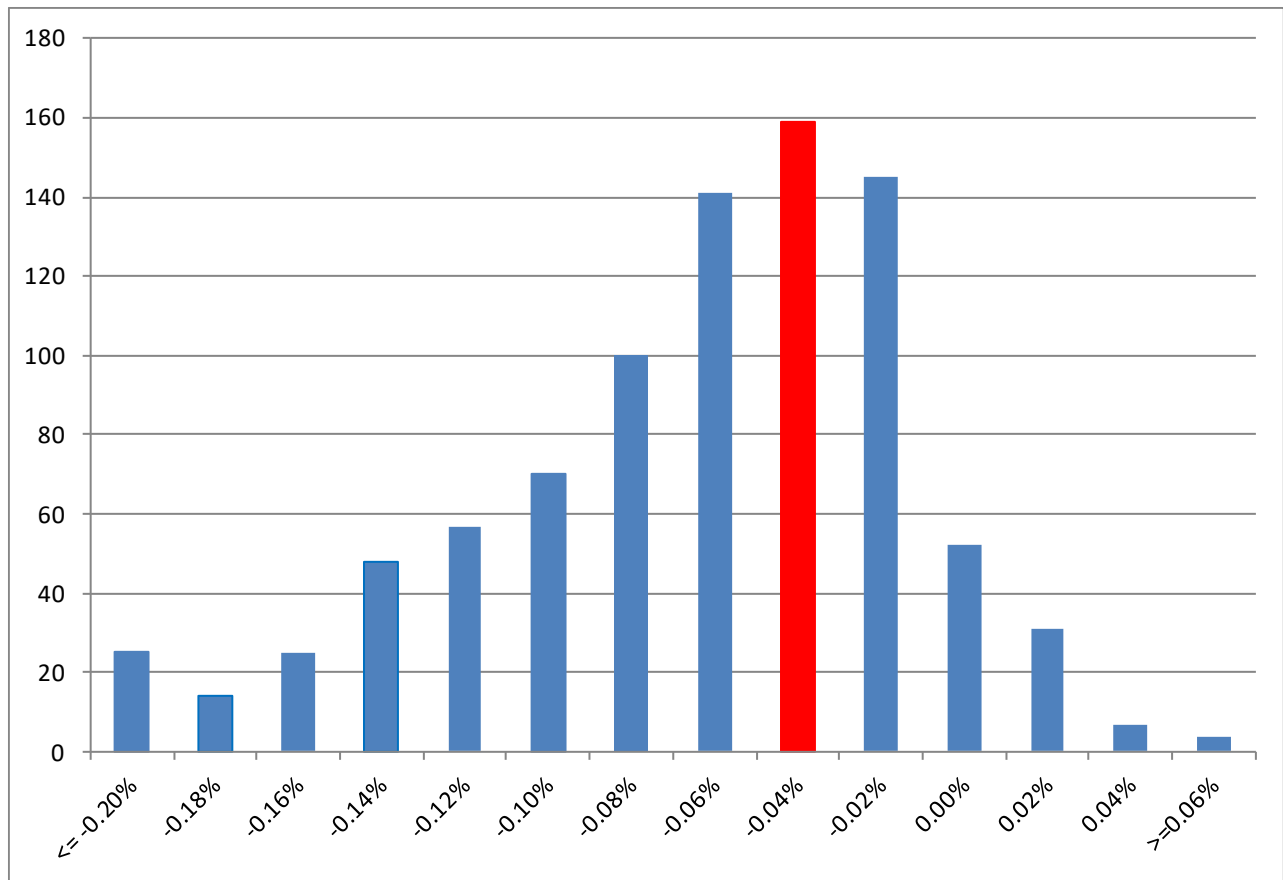
## Distribution of Changes

### Total Changes in Full Retirement Rate



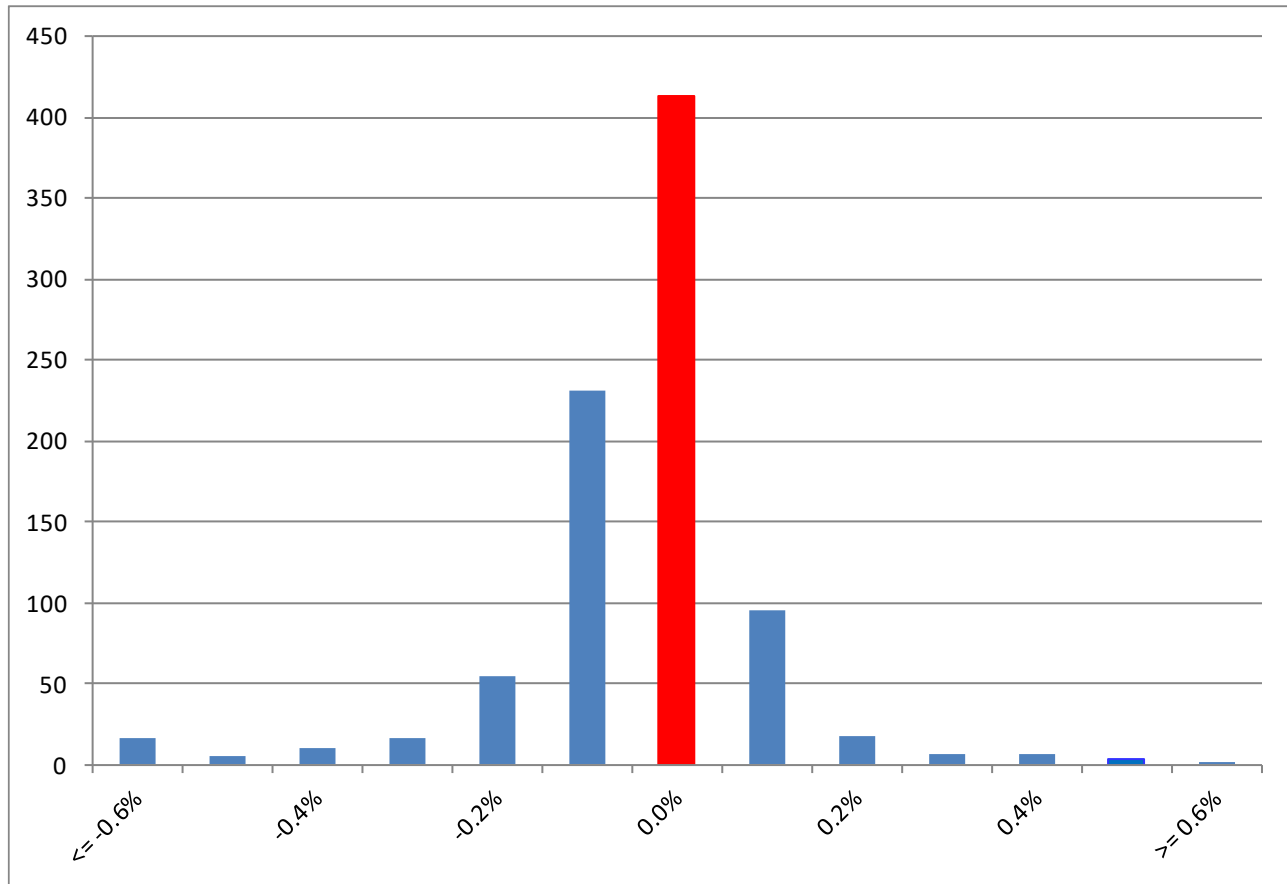
## Distribution of Changes

### Change Due to Return on Actuarial Value of Assets



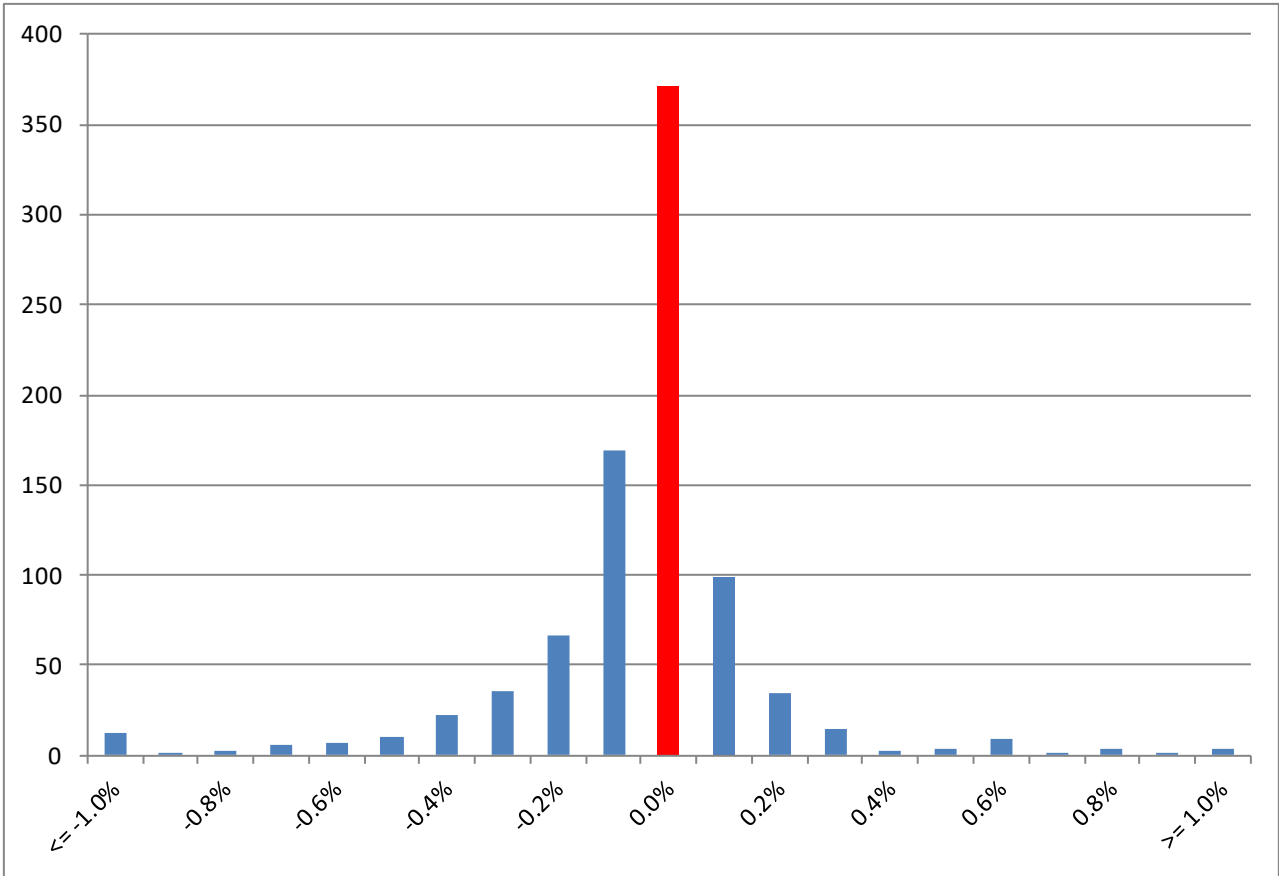
## Distribution of Changes

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



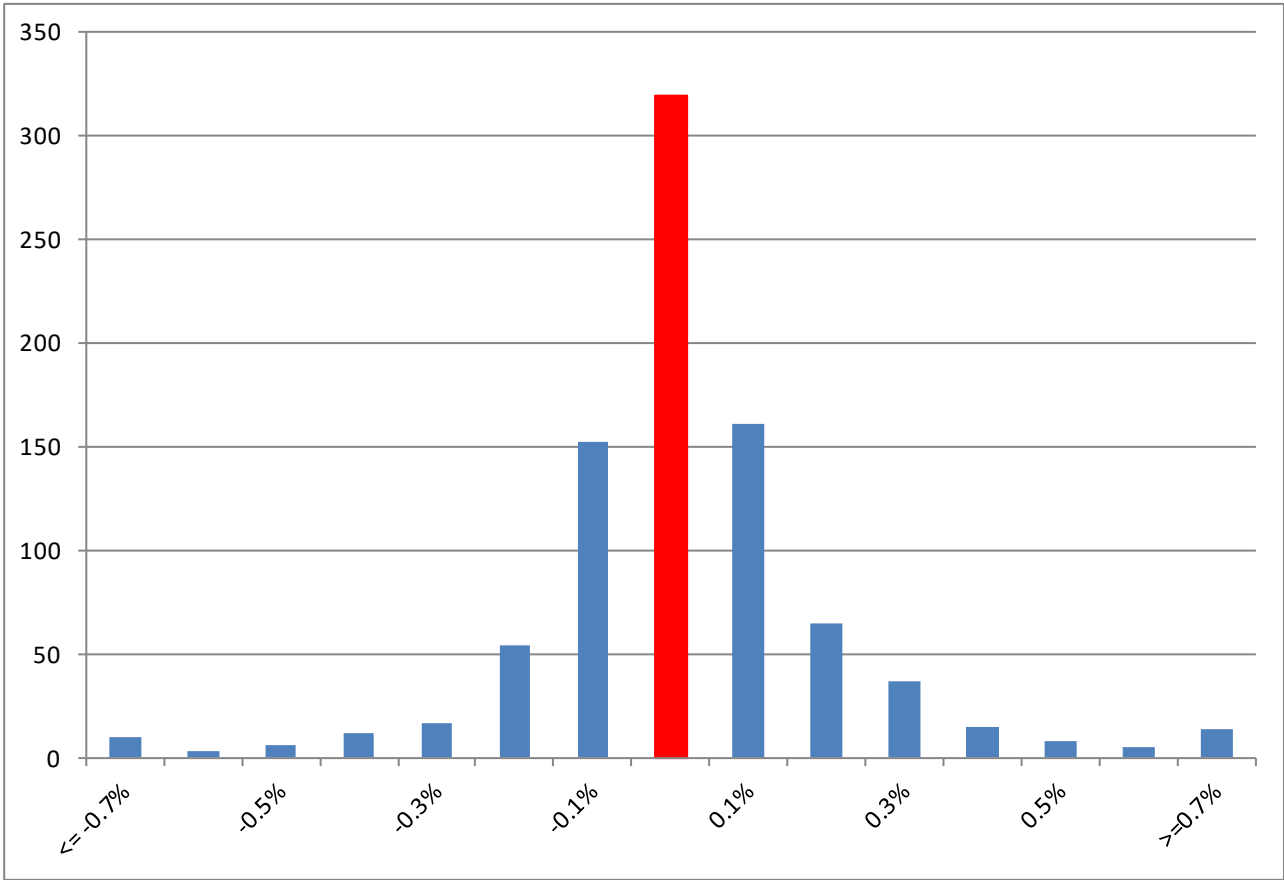
# Distribution of Changes

## Change Due to Payroll Growing Faster or Slower than Expected

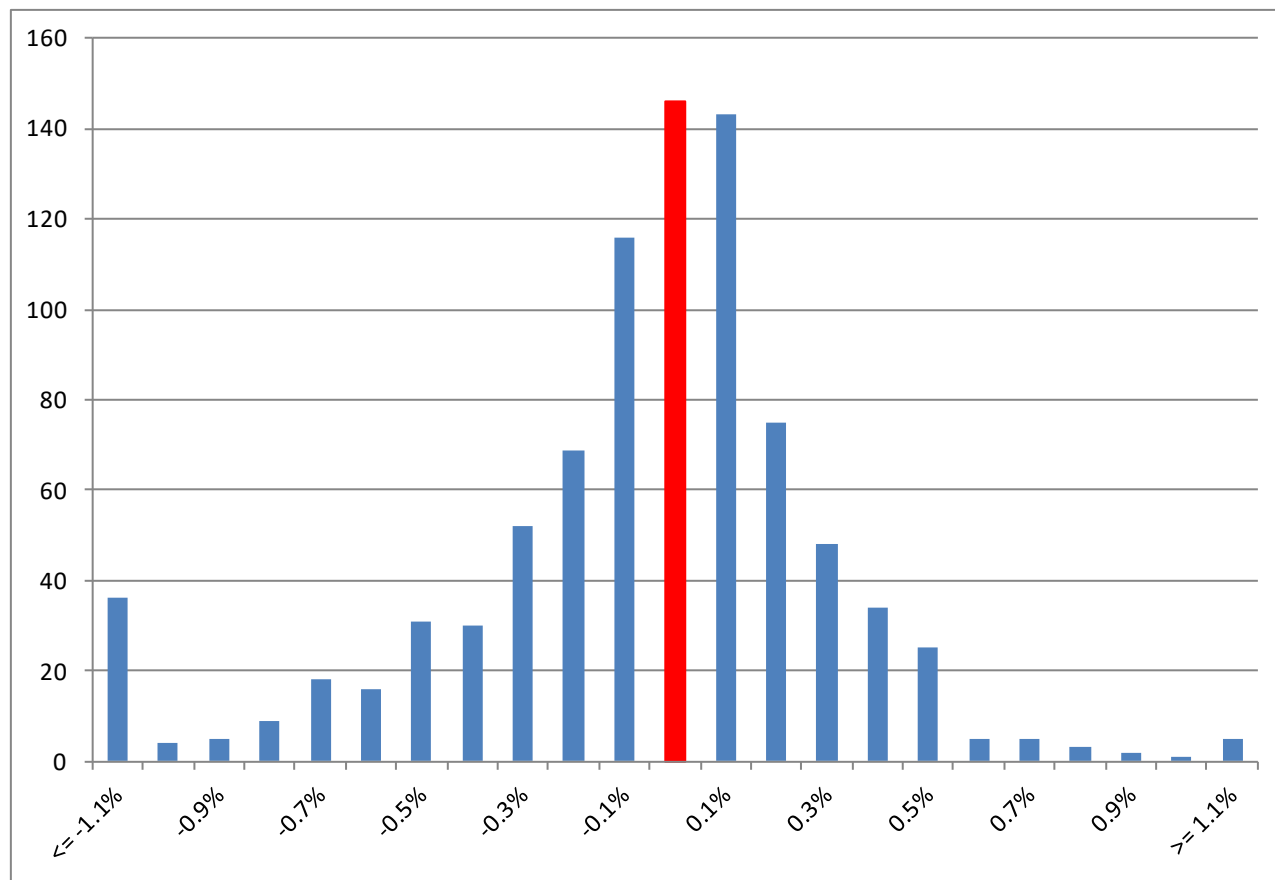


# Distribution of Changes

## 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	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes		Prior Bases						
4	Abernathy	3.70%	0.00%	0.00%	-0.03%	-0.02%	-0.03%	0.13%	-0.10%	-0.05%	3.65%	
6	Abilene	10.97%	0.00%	0.00%	-0.13%	-0.07%	-0.12%	0.05%	-0.03%	-0.30%	10.67%	
7	Addison	11.38%	0.00%	0.00%	-0.14%	0.02%	-0.06%	0.20%	0.19%	0.21%	11.59%	
8	Agua Dulce	7.64%	0.00%	0.00%	0.02%	0.19%	0.97%	0.02%	0.04%	1.24%	8.88%	
10	Alamo	6.20%	0.00%	0.00%	-0.04%	-0.04%	0.02%	0.11%	-0.23%	-0.18%	6.02%	
12	Alamo Heights	16.47%	0.00%	0.00%	-0.07%	0.01%	0.18%	0.14%	-0.16%	0.10%	16.57%	
14	Alba	13.76%	0.00%	0.00%	-0.01%	0.10%	-0.08%	0.00%	-0.02%	-0.01%	13.75%	
16	Albany	5.50%	0.00%	0.00%	-0.02%	0.02%	0.01%	-0.28%	-0.71%	-0.98%	4.52%	
17	Aledo	13.79%	0.00%	0.00%	-0.01%	-0.02%	-0.01%	0.13%	0.28%	0.37%	14.16%	
18	Alice	4.58%	0.00%	0.00%	-0.11%	0.01%	-0.04%	0.07%	-0.30%	-0.37%	4.21%	
19	Allen	14.38%	0.00%	0.00%	-0.05%	-0.10%	-0.06%	0.03%	-0.04%	-0.22%	14.16%	
20	Alpine	2.01%	0.00%	0.00%	-0.05%	0.08%	0.01%	0.15%	-0.07%	0.12%	2.13%	
22	Alto	11.78%	0.00%	0.00%	-0.04%	0.08%	-0.02%	-0.09%	-1.30%	-1.37%	10.41%	
23	Alton	11.10%	0.00%	0.00%	-0.01%	-0.17%	-0.04%	0.19%	0.04%	0.01%	11.11%	
24	Alvarado	5.34%	0.00%	0.00%	-0.02%	-0.02%	0.01%	-0.05%	0.10%	0.02%	5.36%	
26	Alvin	17.33%	0.00%	0.00%	-0.12%	-0.05%	-0.33%	0.03%	0.07%	-0.40%	16.93%	
28	Alvord	5.62%	0.00%	0.00%	-0.02%	-0.05%	-0.01%	-0.14%	0.07%	-0.15%	5.47%	
30	Amarillo	12.32%	0.00%	0.00%	-0.13%	0.06%	0.11%	0.00%	-0.51%	-0.47%	11.85%	
32	Amherst	0.00%	0.00%	0.00%	0.00%	0.00%	0.16%	0.00%	0.06%	0.22%	0.22%	
34	Anahuac	8.59%	0.00%	0.00%	-0.04%	-0.12%	0.07%	0.50%	-2.09%	-1.68%	6.91%	
36	Andrews	16.18%	0.00%	0.00%	-0.12%	-0.03%	-0.26%	-0.08%	-0.08%	-0.57%	15.61%	
38	Angleton	12.05%	0.00%	0.00%	-0.07%	-0.08%	-0.18%	-0.02%	-0.04%	-0.39%	11.66%	
40	Anna	14.09%	0.00%	0.00%	0.00%	-0.26%	-0.28%	-0.30%	0.32%	-0.52%	13.57%	
41	Annetta	9.45%	0.00%	0.00%	0.02%	0.05%	-0.01%	0.02%	0.80%	0.88%	10.33%	
44	Anson	0.71%	1.36%	0.00%	-0.04%	0.02%	0.05%	-0.16%	-0.46%	0.77%	1.48%	
45	Anthony	2.88%	0.00%	0.00%	-0.01%	-0.05%	-0.05%	-0.02%	0.01%	-0.12%	2.76%	
48	Aransas Pass	9.87%	0.00%	0.00%	-0.04%	-0.05%	-0.18%	-0.16%	0.08%	-0.35%	9.52%	
50	Archer City	4.07%	0.00%	0.00%	-0.02%	0.01%	0.03%	-0.10%	0.03%	-0.05%	4.02%	
49	Arcola	3.93%	0.00%	0.00%	0.01%	-0.01%	-0.01%	-0.07%	-0.30%	-0.38%	3.55%	
51	Argyle	12.88%	0.00%	0.00%	-0.03%	-0.07%	0.01%	-0.70%	-0.31%	-1.10%	11.78%	
52	Arlington	16.82%	0.00%	0.00%	-0.02%	-6.73%	0.01%	0.02%	0.07%	-6.65%	10.17%	
54	Arp	1.76%	2.03%	0.00%	-0.05%	0.13%	0.01%	0.17%	-0.10%	2.19%	3.95%	
60	Aspermont	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
62	Athens	16.45%	0.00%	0.00%	-0.10%	0.02%	-0.35%	0.20%	0.06%	-0.17%	16.28%	
64	Atlanta	6.97%	0.00%	0.00%	-0.04%	-0.02%	-0.03%	0.02%	-0.35%	-0.42%	6.55%	
66	Aubrey	5.64%	0.00%	0.00%	0.00%	-0.15%	-0.01%	-0.01%	0.16%	-0.01%	5.63%	
74	Avinger	2.13%	0.00%	0.00%	-0.03%	0.03%	-0.13%	0.75%	-0.27%	0.35%	2.48%	
75	Azle	12.18%	0.00%	0.00%	-0.05%	-0.10%	-0.17%	0.07%	0.53%	0.28%	12.46%	
77	Baird	1.13%	0.00%	0.00%	-0.04%	0.00%	0.03%	-0.11%	-0.02%	-0.14%	0.99%	
78	Balch Springs	13.42%	0.00%	0.00%	-0.04%	0.01%	0.09%	0.00%	0.00%	0.06%	13.48%	
79	Balcones Heights	7.83%	0.00%	0.00%	-0.11%	-0.01%	-0.01%	0.15%	0.08%	0.10%	7.93%	
80	Ballinger	3.18%	6.09%	0.00%	-0.06%	0.45%	0.79%	-0.11%	-0.25%	6.91%	10.09%	
82	Balморhea	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
83	Bandera	11.31%	0.00%	0.00%	-0.05%	-0.02%	0.01%	-0.08%	0.00%	-0.14%	11.17%	
84	Bangs	11.96%	0.00%	0.00%	-0.09%	-0.04%	0.01%	-0.01%	-1.91%	-2.04%	9.92%	
90	Bartlett	6.98%	0.00%	0.00%	-0.04%	-0.15%	0.21%	-0.33%	0.08%	-0.23%	6.75%	
91	Bartonville	16.02%	0.00%	0.00%	-0.03%	0.00%	-0.72%	-0.26%	-0.22%	-1.23%	14.79%	
92	Bastrop	11.47%	0.00%	0.00%	-0.03%	0.00%	0.10%	-0.23%	0.10%	-0.06%	11.41%	
94	Bay City	9.76%	0.00%	0.00%	-0.11%	-0.01%	-0.05%	0.17%	-0.43%	-0.43%	9.33%	
93	Bayou Vista	2.66%	0.00%	0.00%	-0.02%	-0.14%	0.13%	-0.17%	0.05%	-0.15%	2.51%	
96	Baytown	17.67%	0.00%	0.00%	-0.09%	-0.06%	-0.30%	0.02%	0.05%	-0.38%	17.29%	
98	Beaumont	19.84%	0.00%	0.00%	-0.19%	-0.05%	-0.11%	0.03%	-0.33%	-0.65%	19.19%	
100	Bedford	8.85%	6.67%	0.00%	-0.01%	0.48%	0.21%	0.11%	0.19%	7.65%	16.50%	
101	Bee Cave	9.14%	0.00%	0.00%	-0.02%	-0.04%	-0.11%	-0.10%	0.34%	0.07%	9.21%	



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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes								
102	Beeville	1.26%	0.00%	0.00%	-0.08%	0.06%	0.06%	-0.02%	0.01%	0.03%	1.29%	
106	Bellaire	20.14%	0.00%	0.00%	-0.15%	0.00%	0.13%	-0.01%	-0.33%	-0.36%	19.78%	
109	Bellmead	7.93%	0.00%	0.00%	-0.08%	-0.06%	0.02%	0.83%	-0.17%	0.54%	8.47%	
110	Bells	3.43%	0.00%	0.00%	-0.01%	0.02%	0.02%	0.02%	0.04%	0.09%	3.52%	
112	Bellville	16.62%	0.00%	0.00%	-0.10%	0.07%	-0.14%	-0.06%	0.01%	-0.22%	16.40%	
114	Belton	8.12%	2.04%	0.00%	-0.05%	0.03%	-0.03%	0.03%	0.19%	2.21%	10.33%	
118	Benbrook	16.58%	0.00%	0.00%	-0.11%	0.06%	0.08%	-0.01%	-0.68%	-0.66%	15.92%	
121	Berryville	3.77%	0.00%	0.00%	-0.04%	-0.10%	0.05%	-0.94%	0.21%	-0.82%	2.95%	
123	Bertram	4.28%	0.00%	0.00%	-0.01%	-0.12%	-0.01%	0.04%	0.13%	0.03%	4.31%	
124	Big Lake	18.50%	0.00%	0.00%	-0.09%	-0.01%	-0.97%	0.42%	-0.03%	-0.68%	17.82%	
126	Big Sandy	3.03%	0.00%	0.00%	-0.07%	0.04%	-0.15%	-0.10%	0.11%	-0.17%	2.86%	
128	Big Spring	17.98%	0.00%	0.00%	-0.13%	-0.08%	-0.19%	-0.09%	-0.11%	-0.60%	17.38%	
132	Bishop	3.02%	0.00%	0.00%	-0.07%	-0.06%	0.03%	0.14%	-0.16%	-0.12%	2.90%	
134	Blanco	6.27%	0.00%	0.00%	-0.01%	-0.05%	0.01%	0.22%	-0.52%	-0.35%	5.92%	
140	Blooming Grove	11.77%	0.00%	0.00%	-0.08%	0.02%	-0.51%	-0.16%	0.13%	-0.60%	11.17%	
142	Blossom	4.70%	0.00%	0.00%	-0.09%	-0.22%	0.01%	0.00%	0.41%	0.11%	4.81%	
143	Blue Mound	4.48%	0.00%	0.00%	-0.01%	-0.01%	0.00%	0.20%	0.15%	0.33%	4.81%	
144	Blue Ridge	2.01%	0.00%	0.00%	-0.01%	0.01%	0.03%	-0.03%	0.06%	0.06%	2.07%	
148	Boerne	18.75%	0.00%	0.00%	-0.05%	-0.11%	-0.35%	0.28%	0.24%	0.01%	18.76%	
150	Bogata	0.62%	0.00%	0.00%	-0.02%	0.04%	-0.03%	0.00%	-0.28%	-0.29%	0.33%	
152	Bonham	9.31%	0.00%	0.00%	-0.06%	0.05%	0.05%	0.09%	0.19%	0.32%	9.63%	
154	Booker	5.75%	0.00%	0.00%	-0.04%	-0.04%	-0.02%	-0.03%	0.31%	0.18%	5.93%	
156	Borger	13.15%	0.00%	0.00%	-0.09%	-0.04%	0.08%	-0.05%	-0.22%	-0.32%	12.83%	
158	Bovina	0.71%	0.00%	0.00%	0.00%	0.04%	0.00%	-0.17%	-0.44%	-0.57%	0.14%	
160	Bowie	9.48%	0.00%	0.00%	-0.09%	0.00%	-0.02%	0.01%	-0.01%	-0.11%	9.37%	
162	Boyd	3.70%	0.00%	0.00%	-0.02%	-0.02%	0.00%	0.11%	0.06%	0.13%	3.83%	
166	Brady	9.63%	0.00%	0.00%	-0.04%	-0.02%	-0.01%	-0.07%	-0.25%	-0.39%	9.24%	
170	Brazoria	6.00%	0.00%	0.00%	-0.08%	0.03%	0.00%	-0.13%	0.00%	-0.18%	5.82%	
172	Breckenridge	6.96%	0.00%	0.00%	-0.08%	-0.08%	0.09%	0.01%	-0.64%	-0.70%	6.26%	
174	Bremond	14.55%	0.00%	0.00%	-0.09%	0.06%	1.16%	0.34%	-0.21%	1.26%	15.81%	
176	Brenham	10.01%	0.37%	0.00%	-0.08%	0.04%	0.08%	0.13%	-0.57%	-0.03%	9.98%	
177	Bridge City	14.76%	0.00%	0.00%	-0.10%	-0.10%	-0.14%	-0.13%	-0.30%	-0.77%	13.99%	
178	Bridgeport	13.64%	0.00%	0.00%	-0.07%	-0.17%	-0.64%	0.26%	0.19%	-0.43%	13.21%	
180	Bronte	12.73%	-1.08%	0.00%	-0.09%	-0.31%	-0.14%	-0.02%	-0.20%	-1.84%	10.89%	
182	Brookshire	8.85%	0.00%	0.00%	-0.05%	-0.05%	-0.03%	-0.10%	0.53%	0.30%	9.15%	
184	Brownfield	4.04%	0.00%	0.00%	-0.12%	-0.43%	-0.10%	-0.05%	0.15%	-0.55%	3.49%	
186	Brownsboro	10.82%	0.00%	0.00%	0.00%	-0.04%	0.13%	0.06%	-0.05%	0.10%	10.92%	
10188	Brownsville	17.00%	0.00%	0.00%	-0.15%	0.02%	0.09%	0.07%	-0.13%	-0.10%	16.90%	
20188	Brownsville PUB	17.57%	0.00%	0.00%	-0.13%	0.01%	0.02%	0.07%	-0.35%	-0.38%	17.19%	
10190	Brownwood	13.11%	0.00%	0.00%	-0.10%	-0.04%	-0.05%	0.37%	-0.18%	0.00%	13.11%	
30190	Brownwood Health Dept.	11.67%	0.00%	0.00%	-0.06%	0.03%	-0.09%	0.00%	0.54%	0.42%	12.09%	
20190	Brownwood Public Library	4.65%	0.00%	0.00%	-0.05%	0.04%	-0.10%	0.03%	-0.52%	-0.60%	4.05%	
195	Bruceville-Eddy	5.10%	0.00%	0.00%	-0.04%	0.00%	-0.07%	0.16%	-0.06%	-0.01%	5.09%	
192	Bryan	15.38%	0.00%	0.00%	0.03%	-6.39%	-0.01%	0.03%	0.14%	-6.20%	9.18%	
193	Bryson	0.06%	0.00%	0.00%	0.00%	-0.03%	0.00%	-0.01%	-0.02%	-0.06%	0.00%	
194	Buda	13.76%	0.00%	0.00%	0.00%	-0.15%	-0.21%	0.44%	0.46%	0.54%	14.30%	
196	Buffalo	4.23%	0.00%	0.00%	-0.04%	-0.03%	-0.02%	0.24%	-0.27%	-0.12%	4.11%	
198	Bullard	10.52%	0.00%	0.00%	-0.01%	-0.01%	-0.13%	-0.04%	0.19%	0.00%	10.52%	
203	Bulverde	9.26%	0.00%	0.00%	-0.02%	-0.08%	-0.05%	-0.03%	0.11%	-0.07%	9.19%	
199	Bunker Hill Village	10.72%	0.00%	0.00%	-0.14%	0.03%	0.04%	-0.06%	0.01%	-0.12%	10.60%	
200	Burkburnett	10.20%	0.69%	0.00%	-0.09%	0.03%	-0.05%	-0.05%	-0.10%	0.43%	10.63%	
202	Burleson	16.03%	0.00%	0.00%	-0.05%	-0.05%	-0.20%	0.25%	0.52%	0.47%	16.50%	
204	Burnet	12.84%	0.00%	0.00%	-0.05%	-0.04%	-0.09%	0.49%	0.07%	0.38%	13.22%	
207	Cactus	5.03%	0.00%	0.00%	-0.01%	-0.06%	-0.02%	0.18%	0.14%	0.23%	5.26%	

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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes								
208	Caddo Mills	5.54%	0.00%	0.00%	0.00%	-0.15%	-0.11%	0.38%	0.24%	0.36%	5.90%	
210	Caldwell	7.22%	0.00%	0.00%	-0.09%	-0.06%	-0.03%	0.02%	-0.12%	-0.28%	6.94%	
212	Calvert	1.40%	0.00%	0.00%	-0.01%	0.02%	0.04%	-0.09%	-0.13%	-0.17%	1.23%	
214	Cameron	10.26%	0.00%	0.00%	-0.06%	-0.02%	-0.16%	-0.07%	-1.26%	-1.57%	8.69%	
216	Campbell	41.09%	0.00%	0.00%	0.20%	-0.07%	0.14%	-0.02%	-0.44%	-0.19%	40.90%	
220	Canadian	18.00%	0.00%	0.00%	-0.06%	0.09%	0.08%	-0.08%	0.03%	0.06%	18.06%	
221	Caney City	2.62%	0.00%	0.00%	0.00%	0.10%	-0.06%	-0.86%	-0.09%	-0.91%	1.71%	
222	Canton	11.78%	0.00%	0.00%	-0.05%	-0.12%	0.05%	-0.07%	-0.74%	-0.93%	10.85%	
224	Canyon	13.85%	0.00%	0.00%	-0.14%	-0.04%	-0.08%	0.04%	-0.12%	-0.34%	13.51%	
227	Carmine	0.21%	0.00%	0.00%	0.00%	-0.14%	0.00%	0.00%	-0.07%	-0.21%	0.00%	
228	Carrizo Springs	5.03%	0.00%	0.00%	-0.07%	-0.02%	-0.02%	0.03%	0.22%	0.14%	5.17%	
230	Carrollton	11.84%	0.00%	0.00%	-0.28%	-0.19%	-0.10%	-0.01%	-0.43%	-1.01%	10.83%	
232	Carthage	18.62%	0.00%	0.00%	-0.15%	0.09%	-0.12%	-0.01%	0.10%	-0.09%	18.53%	
231	Castle Hills	12.83%	0.00%	0.00%	-0.11%	-0.01%	-0.18%	0.00%	-0.04%	-0.34%	12.49%	
234	Castroville	8.54%	0.00%	0.00%	-0.05%	-0.17%	-0.22%	0.03%	0.46%	0.05%	8.59%	
238	Cedar Hill	14.09%	0.00%	0.00%	-0.08%	-0.04%	-0.14%	0.02%	0.43%	0.19%	14.28%	
239	Cedar Park	14.49%	0.00%	0.00%	-0.02%	-0.06%	-0.12%	0.00%	0.29%	0.09%	14.58%	
240	Celeste	5.30%	0.00%	0.00%	0.01%	-0.90%	-0.69%	-0.23%	0.21%	-1.60%	3.70%	
242	Celina	6.27%	0.00%	0.00%	0.00%	-0.09%	0.01%	-0.04%	0.08%	-0.04%	6.23%	
244	Center	12.07%	0.00%	0.00%	-0.08%	-0.02%	-0.02%	-0.11%	-0.40%	-0.63%	11.44%	
246	Centerville	20.27%	0.00%	0.00%	-0.21%	-0.72%	-0.03%	-0.05%	-0.61%	-1.62%	18.65%	
247	Chandler	6.13%	0.00%	0.00%	0.00%	-0.02%	-0.06%	-0.08%	0.08%	-0.08%	6.05%	
248	Charlotte	2.89%	0.00%	0.00%	-0.03%	-0.06%	-0.04%	0.20%	-0.11%	-0.04%	2.85%	
249	Chester	0.20%	0.00%	0.00%	0.00%	-0.30%	0.00%	0.00%	0.10%	-0.20%	0.00%	
245	Chico	3.24%	0.00%	0.00%	-0.06%	0.00%	0.42%	-0.22%	0.78%	0.92%	4.16%	
250	Childress	16.02%	0.00%	0.00%	-0.07%	0.05%	0.33%	0.21%	-0.19%	0.33%	16.35%	
251	Chillicothe	7.31%	0.00%	0.00%	0.04%	-1.27%	0.13%	0.21%	-0.09%	-0.98%	6.33%	
253	Chireno	22.27%	0.00%	0.00%	-0.17%	0.15%	0.04%	-0.05%	0.13%	0.10%	22.37%	
254	Christine	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
255	Cibolo	12.50%	0.00%	0.00%	-0.02%	-0.07%	-0.10%	-0.15%	-0.24%	-0.58%	11.92%	
256	Cisco	6.34%	0.00%	0.00%	-0.04%	-0.03%	-0.01%	-0.07%	0.24%	0.09%	6.43%	
258	Clarendon	1.42%	0.00%	0.00%	-0.03%	0.00%	-0.01%	0.00%	-0.06%	-0.10%	1.32%	
259	Clarksville	3.70%	0.00%	0.00%	-0.10%	0.14%	-0.36%	-0.38%	-0.10%	-0.80%	2.90%	
260	Clarksville City	3.89%	0.00%	0.00%	-0.18%	-0.01%	-0.04%	0.03%	0.04%	-0.16%	3.73%	
263	Clear Lake Shores	10.77%	0.00%	0.00%	-0.03%	0.03%	0.05%	0.07%	-0.23%	-0.11%	10.66%	
264	Cleburne	16.07%	0.00%	0.00%	-0.12%	0.06%	0.10%	0.00%	-0.16%	-0.12%	15.95%	
266	Cleveland	10.50%	0.00%	0.00%	-0.06%	-0.13%	-0.38%	-0.09%	0.40%	-0.26%	10.24%	
268	Clifton	1.77%	0.00%	0.00%	-0.05%	-0.01%	0.02%	-0.02%	-0.03%	-0.09%	1.68%	
271	Clute	10.52%	0.00%	0.00%	-0.09%	-0.03%	0.01%	0.21%	-0.69%	-0.59%	9.93%	
272	Clyde	13.06%	0.00%	0.00%	-0.05%	-0.03%	0.05%	0.14%	0.30%	0.41%	13.47%	
274	Coahoma	6.48%	0.00%	0.00%	-0.06%	0.02%	0.00%	-0.01%	-0.01%	-0.06%	6.42%	
276	Cockrell Hill	9.12%	0.00%	0.00%	-0.06%	0.13%	-0.07%	-0.14%	-0.22%	-0.36%	8.76%	
278	Coleman	16.92%	0.00%	0.00%	-0.12%	0.05%	0.60%	-0.15%	0.19%	0.57%	17.49%	
280	College Station	13.30%	0.00%	0.00%	-0.10%	0.00%	0.02%	0.00%	-0.14%	-0.22%	13.08%	
281	Colleyville	9.39%	0.00%	0.00%	-0.09%	-0.02%	-0.08%	0.06%	0.51%	0.38%	9.77%	
282	Collinsville	5.35%	0.00%	0.00%	-0.04%	0.06%	0.11%	0.78%	0.19%	1.10%	6.45%	
283	Colmesneil	9.26%	0.00%	0.00%	-0.03%	-0.54%	0.05%	0.01%	0.09%	-0.42%	8.84%	
284	Colorado City	7.63%	0.00%	0.00%	-0.08%	0.01%	-0.09%	-0.19%	-0.34%	-0.69%	6.94%	
286	Columbus	11.97%	0.00%	0.00%	-0.11%	-0.05%	0.00%	0.12%	-1.90%	-1.94%	10.03%	
288	Comanche	4.84%	0.00%	0.00%	-0.08%	-0.01%	0.00%	0.09%	-0.02%	-0.02%	4.82%	
289	Combes	6.72%	0.00%	0.00%	0.01%	-0.07%	-0.23%	0.00%	0.10%	-0.19%	6.53%	
290	Commerce	7.90%	0.00%	0.00%	-0.08%	-0.14%	0.00%	0.07%	-0.09%	-0.24%	7.66%	
294	Conroe	16.30%	0.00%	0.00%	-0.07%	-0.09%	-0.31%	0.09%	0.33%	-0.05%	16.25%	
295	Converse	14.01%	0.00%	0.00%	-0.06%	0.00%	-0.02%	0.34%	-0.43%	-0.17%	13.84%	

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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes								
298	Cooper	5.41%	0.00%	0.00%	-0.08%	0.00%	-0.08%	-0.03%	0.40%	0.21%	5.62%	
299	Coppell	16.15%	0.00%	0.00%	-0.09%	0.03%	-0.07%	0.13%	0.12%	0.12%	16.27%	
297	Copper Canyon	12.30%	0.00%	0.00%	-0.06%	-0.75%	-0.53%	-0.07%	0.47%	-0.94%	11.36%	
300	Copperas Cove	12.57%	0.00%	0.00%	-0.09%	-0.02%	-0.31%	0.07%	0.10%	-0.25%	12.32%	
301	Corinth	15.45%	0.00%	0.00%	-0.05%	-0.08%	-0.14%	-0.04%	-0.11%	-0.42%	15.03%	
302	Corpus Christi	17.95%	0.00%	0.00%	-0.12%	-0.06%	-0.24%	-0.05%	-0.46%	-0.93%	17.02%	
304	Corrigan	3.43%	0.00%	0.00%	-0.03%	-0.05%	0.00%	0.02%	0.09%	0.03%	3.46%	
306	Corsicana	14.77%	0.00%	0.00%	-0.16%	0.03%	0.41%	-0.02%	-0.96%	-0.70%	14.07%	
308	Cotulla	6.45%	0.00%	0.00%	-0.02%	-0.06%	-0.17%	-0.12%	-0.13%	-0.50%	5.95%	
310	Crandall	11.04%	0.00%	0.00%	-0.03%	-0.03%	0.01%	-0.23%	0.10%	-0.18%	10.86%	
312	Crane	8.12%	0.00%	0.00%	-0.11%	-0.04%	0.06%	-0.17%	0.15%	-0.11%	8.01%	
314	Crawford	0.98%	0.00%	0.00%	-0.03%	0.00%	0.04%	0.35%	-0.20%	0.16%	1.14%	
316	Crockett	8.60%	6.24%	0.00%	-0.12%	0.53%	-0.09%	-0.08%	-0.87%	5.61%	14.21%	
318	Crosbyton	4.15%	0.00%	0.00%	-0.11%	-0.09%	0.22%	-0.24%	-1.19%	-1.41%	2.74%	
320	Cross Plains	7.15%	0.00%	0.00%	-0.07%	-0.09%	-0.05%	0.10%	0.22%	0.11%	7.26%	
321	Cross Roads	7.46%	0.00%	0.00%	0.01%	-0.03%	-0.04%	0.12%	-0.04%	0.02%	7.48%	
322	Crowell	5.90%	0.00%	0.00%	0.01%	-0.11%	-0.21%	0.17%	0.14%	0.00%	5.90%	
323	Crowley	11.33%	0.00%	0.00%	-0.05%	-0.06%	-0.12%	-0.04%	0.10%	-0.17%	11.16%	
324	Crystal City	1.90%	0.00%	0.00%	-0.07%	0.10%	0.10%	0.03%	0.03%	0.19%	2.09%	
326	Cuero	10.66%	0.00%	0.00%	-0.04%	0.00%	0.04%	-0.06%	-0.89%	-0.95%	9.71%	
328	Cumby	1.67%	0.00%	0.00%	-0.01%	-0.01%	-0.03%	0.33%	-0.06%	0.22%	1.89%	
332	Daingerfield	5.65%	0.00%	0.00%	-0.07%	-0.04%	-0.01%	0.03%	0.24%	0.15%	5.80%	
334	Daisetta	0.88%	0.00%	0.00%	-0.03%	-0.01%	0.08%	-0.22%	0.00%	-0.18%	0.70%	
336	Dalhart	4.99%	0.00%	0.00%	-0.06%	0.03%	-0.03%	-0.03%	-0.67%	-0.76%	4.23%	
339	Dalworthington Gardens	23.22%	0.00%	0.00%	-0.07%	0.09%	-0.59%	-1.29%	-0.14%	-2.00%	21.22%	
340	Danbury	6.04%	0.00%	0.00%	-0.03%	0.16%	0.58%	-0.12%	-0.17%	0.42%	6.46%	
341	Darrouzett	5.34%	0.00%	0.00%	-0.14%	0.07%	-0.27%	0.02%	0.16%	-0.16%	5.18%	
344	Dayton	6.58%	0.00%	0.00%	-0.02%	-0.05%	0.00%	-0.18%	-0.05%	-0.30%	6.28%	
352	De Leon	2.06%	0.76%	0.00%	-0.03%	0.09%	-0.04%	0.06%	0.10%	0.94%	3.00%	
10366	DeSoto	11.06%	0.00%	0.00%	-0.10%	-0.02%	-0.02%	-0.14%	0.35%	0.07%	11.13%	
346	Decatur	13.84%	0.00%	0.00%	-0.07%	-0.04%	0.08%	-0.29%	0.52%	0.20%	14.04%	
348	Deer Park	13.58%	0.00%	0.00%	-0.12%	-0.10%	-0.07%	0.06%	0.35%	0.12%	13.70%	
350	Dekalb	2.98%	0.00%	0.00%	-0.03%	0.05%	-0.06%	-0.18%	-0.03%	-0.25%	2.73%	
354	Del Rio	7.20%	0.00%	0.00%	-0.02%	0.00%	-0.01%	0.00%	-0.07%	-0.10%	7.10%	
353	Dell City	12.82%	0.00%	0.00%	-0.56%	1.32%	3.32%	0.00%	0.29%	4.37%	17.19%	
356	Denison	11.64%	0.00%	0.00%	-0.18%	-0.04%	-0.03%	0.17%	-0.22%	-0.30%	11.34%	
358	Denton	17.61%	0.00%	0.00%	-0.09%	-0.11%	-0.27%	0.06%	0.27%	-0.14%	17.47%	
360	Denver City	10.13%	0.00%	0.00%	-0.49%	-0.34%	-0.05%	-0.01%	-1.66%	-2.55%	7.58%	
362	Deport	2.35%	0.00%	0.00%	-0.03%	0.12%	-0.03%	0.44%	-0.62%	-0.12%	2.23%	
370	Devine	16.17%	0.00%	0.00%	-0.01%	0.06%	0.89%	0.13%	0.09%	1.16%	17.33%	
371	Diboll	15.36%	0.00%	0.00%	-0.13%	0.00%	-0.04%	0.02%	-0.45%	-0.60%	14.76%	
372	Dickens	2.36%	0.00%	0.00%	-0.01%	0.03%	0.00%	0.00%	0.02%	0.04%	2.40%	
373	Dickinson	9.77%	0.00%	0.00%	-0.06%	-0.03%	-0.09%	0.09%	-0.07%	-0.16%	9.61%	
374	Dilley	9.41%	0.00%	0.00%	-0.01%	-0.06%	-0.03%	-0.07%	-0.11%	-0.28%	9.13%	
376	Dimmitt	5.29%	0.00%	0.00%	-0.12%	0.09%	-0.13%	-0.64%	-0.18%	-0.98%	4.31%	
382	Donna	11.11%	0.00%	0.00%	-0.01%	-0.03%	-0.08%	0.00%	0.04%	-0.08%	11.03%	
379	Double Oak	7.92%	0.00%	0.00%	-0.02%	-0.11%	-0.08%	-0.21%	0.28%	-0.14%	7.78%	
383	Dripping Springs	5.88%	0.00%	0.00%	0.01%	-0.13%	-0.15%	-0.02%	0.21%	-0.08%	5.80%	
385	Driscoll	1.90%	0.00%	0.00%	-0.01%	0.06%	-0.05%	0.12%	-0.07%	0.05%	1.95%	
384	Dublin	12.59%	0.00%	0.00%	-0.03%	-0.03%	0.02%	-0.41%	-0.61%	-1.06%	11.53%	
386	Dumas	12.92%	0.00%	0.00%	-0.05%	-0.05%	-0.17%	0.10%	0.24%	0.07%	12.99%	
388	Duncanville	7.12%	0.00%	0.00%	-0.15%	-0.03%	0.00%	-0.11%	-0.16%	-0.45%	6.67%	
394	Eagle Lake	9.65%	0.00%	0.00%	-0.09%	-0.02%	0.02%	-0.21%	-0.01%	-0.31%	9.34%	
396	Eagle Pass	8.63%	0.00%	0.00%	-0.08%	-0.03%	-0.02%	-0.02%	0.13%	-0.02%	8.61%	

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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes								
397	Early	3.59%	0.00%	0.00%	-0.04%	0.00%	-0.01%	0.16%	0.18%	0.29%	3.88%	
399	Earth	6.42%	0.00%	0.00%	-0.04%	-0.12%	-1.12%	-0.08%	-0.39%	-1.75%	4.67%	
393	East Bernard	5.31%	0.00%	0.00%	0.01%	-0.15%	-0.20%	-0.03%	0.21%	-0.16%	5.15%	
401	East Mountain	14.33%	0.00%	0.00%	-0.20%	-0.63%	1.07%	-2.50%	-0.77%	-3.03%	11.30%	
395	East Tawakoni	6.22%	0.00%	0.00%	-0.04%	-0.08%	0.10%	-0.18%	-0.17%	-0.37%	5.85%	
398	Eastland	9.00%	0.00%	0.00%	-0.04%	0.04%	0.06%	-0.04%	-0.05%	-0.03%	8.97%	
402	Ector	1.70%	0.00%	0.00%	-0.02%	-0.02%	0.01%	-0.09%	0.01%	-0.11%	1.59%	
406	Eden	3.30%	0.00%	0.00%	-0.15%	0.01%	0.08%	-0.01%	-0.57%	-0.64%	2.66%	
408	Edgewood	5.81%	0.00%	0.00%	-0.01%	-0.01%	0.01%	-0.13%	0.13%	-0.01%	5.80%	
410	Edinburg	14.48%	0.00%	0.00%	-0.05%	-0.06%	-0.27%	0.13%	0.23%	-0.02%	14.46%	
412	Edna	10.23%	0.61%	0.00%	-0.13%	0.04%	0.08%	0.01%	-0.22%	0.39%	10.62%	
414	El Campo	13.97%	0.00%	0.00%	-0.10%	-0.03%	-0.19%	-0.02%	0.10%	-0.24%	13.73%	
416	Eldorado	7.45%	0.00%	0.00%	-0.06%	0.08%	0.33%	0.12%	-0.29%	0.18%	7.63%	
418	Electra	1.88%	0.00%	0.00%	-0.04%	-0.03%	0.00%	-0.01%	-0.02%	-0.10%	1.78%	
420	Elgin	13.81%	0.00%	0.00%	-0.04%	-0.05%	-0.16%	0.09%	-0.39%	-0.55%	13.26%	
422	Elkhart	4.29%	0.00%	0.00%	-0.05%	-0.10%	0.00%	0.11%	-0.30%	-0.34%	3.95%	
427	Elmendorf	1.47%	0.00%	0.00%	0.00%	-0.01%	0.00%	-0.17%	-0.13%	-0.31%	1.16%	
432	Emory	6.60%	0.00%	0.00%	-0.02%	0.00%	0.00%	0.14%	0.03%	0.15%	6.75%	
436	Ennis	16.73%	0.00%	0.00%	-0.11%	0.03%	0.11%	0.10%	-0.09%	0.04%	16.77%	
439	Eules	18.02%	0.00%	0.00%	-0.19%	0.05%	0.02%	0.01%	-0.27%	-0.38%	17.64%	
440	Eustace	9.87%	0.00%	0.00%	-0.05%	-0.17%	0.03%	0.37%	0.07%	0.25%	10.12%	
441	Everman	7.98%	0.00%	0.00%	-0.06%	-0.14%	-0.01%	0.04%	-0.04%	-0.21%	7.77%	
443	Fair Oaks Ranch	11.57%	0.00%	0.00%	-0.02%	-0.04%	-0.06%	-0.03%	0.25%	0.10%	11.67%	
442	Fairfield	7.28%	0.00%	0.00%	-0.08%	-0.02%	0.06%	-0.14%	-0.03%	-0.21%	7.07%	
445	Fairview	11.08%	0.00%	0.00%	-0.01%	-0.04%	-0.08%	-0.07%	0.21%	0.01%	11.09%	
20444	Falfurrias	3.00%	0.00%	0.00%	-0.03%	0.00%	-0.01%	-0.06%	-0.53%	-0.63%	2.37%	
446	Falls City	7.45%	0.00%	0.00%	-0.01%	-0.11%	-0.10%	0.00%	0.10%	-0.12%	7.33%	
448	Farmers Branch	19.12%	0.00%	0.00%	-0.24%	0.03%	0.02%	0.08%	-0.46%	-0.57%	18.55%	
450	Farmersville	8.29%	0.00%	0.00%	-0.04%	-0.11%	-0.12%	0.10%	0.41%	0.24%	8.53%	
451	Farwell	16.84%	0.00%	0.00%	-0.07%	-0.09%	-0.47%	-0.14%	-0.17%	-0.94%	15.90%	
452	Fate	10.21%	0.00%	0.00%	0.00%	-0.09%	-0.01%	-0.01%	0.12%	0.01%	10.22%	
454	Fayetteville	3.17%	0.00%	0.00%	-0.02%	-0.03%	-0.03%	0.01%	0.24%	0.17%	3.34%	
456	Ferris	5.19%	0.00%	0.00%	-0.03%	-0.09%	0.00%	0.23%	0.13%	0.24%	5.43%	
458	Flatonia	15.77%	0.00%	0.00%	-0.16%	0.08%	0.15%	0.06%	-1.43%	-1.30%	14.47%	
460	Florence	4.30%	0.00%	0.00%	-0.01%	0.00%	0.00%	0.01%	0.06%	0.06%	4.36%	
20462	Floresville	9.39%	0.00%	0.00%	-0.03%	0.01%	0.16%	-0.10%	-0.57%	-0.53%	8.86%	
463	Flower Mound	11.29%	0.00%	0.00%	-0.05%	0.00%	-0.10%	-0.07%	0.12%	-0.10%	11.19%	
464	Floydada	9.97%	0.00%	0.00%	-0.10%	0.05%	0.03%	0.07%	0.24%	0.29%	10.26%	
468	Forest Hill	12.84%	0.00%	0.00%	-0.07%	0.03%	0.14%	0.07%	0.10%	0.27%	13.11%	
470	Forney	14.16%	0.00%	0.00%	-0.02%	-0.06%	-0.10%	0.05%	0.19%	0.06%	14.22%	
472	Fort Stockton	9.66%	0.00%	0.00%	-0.06%	0.00%	0.01%	0.14%	-0.38%	-0.29%	9.37%	
476	Franklin	3.31%	0.00%	0.00%	-0.02%	0.00%	0.00%	-0.14%	0.11%	-0.05%	3.26%	
478	Frankston	1.44%	0.00%	0.00%	-0.01%	0.00%	0.00%	0.01%	0.02%	0.02%	1.46%	
480	Fredericksburg	16.92%	4.95%	0.00%	-0.08%	0.38%	-0.16%	-0.02%	0.29%	5.36%	22.28%	
482	Freeport	14.21%	0.00%	0.00%	-0.05%	-0.11%	-0.31%	0.34%	0.01%	-0.12%	14.09%	
481	Freer	6.57%	0.00%	0.00%	-0.04%	0.11%	0.62%	0.00%	-0.26%	0.43%	7.00%	
483	Friendswood	16.55%	0.00%	0.00%	-0.08%	-0.02%	-0.23%	0.06%	-0.01%	-0.28%	16.27%	
484	Friona	9.17%	0.00%	0.00%	-0.23%	-0.10%	-0.21%	0.05%	0.06%	-0.43%	8.74%	
486	Frisco	14.44%	0.00%	0.00%	-0.03%	0.02%	-0.01%	-0.01%	-0.16%	-0.19%	14.25%	
487	Fritch	3.77%	0.00%	0.00%	-0.06%	0.15%	-0.66%	0.97%	-0.51%	-0.11%	3.66%	
488	Frost	6.47%	0.00%	0.00%	-0.10%	0.15%	0.60%	0.11%	0.20%	0.96%	7.43%	
491	Fulshear	7.26%	0.00%	0.00%	0.01%	-0.12%	-0.06%	-0.07%	0.15%	-0.09%	7.17%	
493	Fulton	22.89%	0.00%	0.00%	-0.04%	-0.12%	-1.67%	0.01%	0.33%	-1.49%	21.40%	
492	Gainesville	11.85%	0.00%	0.00%	-0.09%	-0.04%	-0.01%	-0.05%	0.05%	-0.14%	11.71%	

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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes		Prior Bases						
494	Galena Park	10.75%	0.00%	0.00%	-0.07%	-0.16%	-0.07%	-0.09%	-0.08%	-0.47%	10.28%	
498	Ganado	11.96%	0.00%	0.00%	-0.14%	-0.06%	-0.01%	0.63%	-0.10%	0.32%	12.28%	
499	Garden Ridge	7.54%	0.00%	0.00%	-0.03%	0.03%	0.11%	0.06%	-0.07%	0.10%	7.64%	
500	Garland	11.19%	0.00%	0.00%	-0.14%	-0.01%	-0.04%	0.02%	0.31%	0.14%	11.33%	
502	Garrison	15.08%	0.00%	0.00%	-0.12%	-0.19%	0.02%	-0.11%	-6.99%	-7.39%	7.69%	
503	Gary	5.59%	0.00%	0.00%	-0.05%	-0.21%	-0.02%	-0.22%	0.27%	-0.23%	5.36%	
504	Gatesville	14.70%	0.00%	0.00%	-0.08%	-0.05%	-0.20%	0.10%	-0.48%	-0.71%	13.99%	
505	George West	5.37%	0.00%	0.00%	-0.01%	-0.06%	-0.06%	0.08%	0.00%	-0.05%	5.32%	
506	Georgetown	12.45%	0.00%	0.00%	-0.05%	0.02%	0.00%	0.00%	0.06%	0.03%	12.48%	
510	Giddings	18.17%	0.00%	0.00%	-0.11%	-0.08%	-0.02%	0.09%	-0.99%	-1.11%	17.06%	
512	Gilmer	13.39%	0.00%	0.00%	-0.09%	0.07%	0.17%	-0.06%	-0.71%	-0.62%	12.77%	
514	Gladewater	8.30%	0.00%	0.00%	-0.06%	0.01%	0.00%	0.03%	-0.18%	-0.20%	8.10%	
516	Glen Rose	14.29%	0.00%	0.00%	-0.05%	0.09%	0.28%	-0.01%	-0.74%	-0.43%	13.86%	
517	Glenn Heights	3.56%	0.00%	0.00%	-0.04%	0.04%	-0.04%	-0.20%	-0.16%	-0.40%	3.16%	
518	Godley	2.41%	0.00%	0.00%	-0.01%	-0.05%	-0.05%	0.00%	0.14%	0.03%	2.44%	
519	Goldsmith	2.04%	0.00%	0.00%	-0.01%	-0.16%	-0.10%	-0.04%	-0.40%	-0.71%	1.33%	
520	Goldthwaite	24.20%	0.00%	0.00%	-0.19%	-0.31%	-0.68%	0.24%	0.61%	-0.33%	23.87%	
522	Goliad	5.69%	0.00%	0.00%	-0.06%	-0.02%	0.11%	-0.20%	0.19%	0.02%	5.71%	
524	Gonzales	10.38%	0.00%	0.00%	-0.07%	-0.03%	0.01%	0.14%	-0.52%	-0.47%	9.91%	
527	Gordon	2.28%	0.00%	0.00%	0.01%	-0.06%	-0.09%	0.03%	0.17%	0.06%	2.34%	
530	Gorman	9.08%	0.00%	0.00%	0.01%	0.01%	0.03%	0.05%	-0.76%	-0.66%	8.42%	
532	Graford	2.77%	0.00%	0.00%	-0.02%	-0.06%	-0.01%	-0.04%	0.01%	-0.12%	2.65%	
10534	Graham	10.69%	0.00%	0.00%	-0.09%	0.01%	-0.05%	-0.04%	0.09%	-0.08%	10.61%	
536	Granbury	15.92%	0.00%	0.00%	-0.07%	-0.16%	-0.43%	0.02%	1.33%	0.69%	16.61%	
540	Grand Prairie	17.24%	0.00%	0.00%	-0.13%	0.06%	0.02%	0.07%	-0.23%	-0.21%	17.03%	
542	Grand Saline	7.44%	0.00%	0.00%	-0.06%	-0.05%	-0.03%	0.68%	0.44%	0.98%	8.42%	
544	Grandview	6.16%	3.48%	0.00%	-0.03%	0.24%	0.00%	0.62%	0.04%	4.35%	10.51%	
546	Granger	6.33%	0.00%	0.00%	-0.02%	-0.03%	0.03%	0.82%	0.07%	0.87%	7.20%	
547	Granite Shoals	4.33%	0.00%	0.00%	0.00%	-0.13%	0.01%	-0.04%	0.14%	-0.02%	4.31%	
548	Grapeland	4.05%	0.00%	0.00%	-0.08%	-0.07%	-0.07%	-0.03%	-0.02%	-0.27%	3.78%	
550	Grapevine	18.82%	0.00%	0.00%	-0.12%	0.05%	0.03%	0.00%	-0.24%	-0.28%	18.54%	
552	Greenville	11.32%	0.00%	0.00%	-0.13%	0.01%	-0.04%	0.18%	0.18%	0.20%	11.52%	
551	Gregory	4.52%	0.00%	0.00%	-0.02%	0.04%	0.03%	-0.14%	0.00%	-0.09%	4.43%	
553	Grey Forest	16.53%	0.00%	0.00%	-0.10%	0.04%	0.00%	-0.15%	-0.37%	-0.58%	15.95%	
556	Groesbeck	2.49%	0.00%	0.00%	-0.02%	0.00%	-0.01%	0.04%	0.04%	0.05%	2.54%	
558	Groom	2.98%	0.00%	0.00%	-0.03%	0.01%	0.00%	0.15%	-0.01%	0.12%	3.10%	
559	Groves	8.89%	0.00%	0.00%	-0.16%	-0.05%	0.00%	0.19%	0.34%	0.32%	9.21%	
560	Groveton	1.95%	0.00%	0.00%	-0.01%	0.01%	-0.01%	-0.03%	-0.02%	-0.06%	1.89%	
562	Gruver	14.85%	0.00%	0.00%	-0.25%	-0.16%	-0.38%	0.03%	0.32%	-0.44%	14.41%	
563	Gun Barrel City	4.85%	0.00%	0.00%	-0.04%	-0.03%	0.05%	0.27%	0.10%	0.35%	5.20%	
564	Gunter	4.58%	0.00%	0.00%	-0.01%	-0.01%	0.03%	0.14%	0.12%	0.27%	4.85%	
568	Hale Center	4.25%	0.00%	0.00%	-0.01%	-0.09%	-0.03%	0.81%	0.06%	0.74%	4.99%	
570	Hallettsville	12.42%	0.00%	0.00%	-0.16%	0.07%	0.01%	0.07%	-0.11%	-0.12%	12.30%	
572	Hallsville	2.80%	0.00%	0.00%	-0.01%	-0.02%	0.00%	-0.10%	0.04%	-0.09%	2.71%	
574	Haltom City	19.01%	0.00%	0.00%	-0.13%	0.05%	0.10%	0.02%	-0.38%	-0.34%	18.67%	
576	Hamilton	13.87%	0.00%	0.00%	-0.06%	-0.05%	0.21%	-0.09%	0.41%	0.42%	14.29%	
578	Hamlin	4.17%	0.00%	0.00%	-0.12%	-0.03%	0.01%	-0.01%	0.30%	0.15%	4.32%	
580	Happy	7.96%	0.00%	0.00%	-0.11%	-0.84%	0.12%	0.01%	-0.97%	-1.79%	6.17%	
581	Harker Heights	14.81%	0.00%	0.00%	-0.05%	0.02%	-0.04%	-0.04%	-0.07%	-0.18%	14.63%	
10582	Harlingen	10.32%	0.00%	0.00%	-0.73%	-0.24%	0.18%	0.06%	-1.58%	-2.31%	8.01%	
20582	Harlingen Waterworks Sys	1.70%	0.00%	0.00%	-0.14%	-0.01%	-0.04%	-0.06%	0.11%	-0.14%	1.56%	
583	Hart	3.91%	0.00%	0.00%	-0.02%	-0.02%	0.07%	0.02%	0.05%	0.10%	4.01%	
586	Haskell	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
587	Haslet	8.79%	0.00%	0.00%	-0.02%	-0.07%	-0.04%	0.58%	0.34%	0.79%	9.58%	

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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes								
588	Hawkins	6.82%	0.00%	0.00%	-0.12%	0.05%	0.03%	0.01%	-0.26%	-0.29%	6.53%	
585	Hays	9.44%	0.00%	0.00%	-0.23%	-0.37%	-0.30%	0.00%	2.19%	1.29%	10.73%	
590	Hearne	14.92%	0.00%	0.00%	-0.05%	-0.08%	-0.20%	-0.14%	0.40%	-0.07%	14.85%	
591	Heath	12.00%	0.00%	0.00%	-0.04%	-0.05%	-0.15%	0.05%	0.51%	0.32%	12.32%	
592	Hedley	3.19%	0.00%	0.00%	-0.12%	-0.06%	0.75%	0.27%	-0.21%	0.63%	3.82%	
595	Hedwig Village	6.61%	0.00%	0.00%	-0.08%	-0.10%	-0.02%	0.00%	-0.09%	-0.29%	6.32%	
593	Helotes	7.14%	0.00%	0.00%	-0.02%	-0.01%	0.04%	0.15%	-0.06%	0.10%	7.24%	
594	Hemphill	7.49%	0.00%	0.00%	-0.06%	0.04%	0.27%	0.13%	0.05%	0.43%	7.92%	
596	Hempstead	7.74%	0.00%	0.00%	-0.06%	-0.01%	0.02%	-0.09%	0.10%	-0.04%	7.70%	
598	Henderson	16.74%	0.00%	0.00%	-0.08%	0.07%	-0.07%	0.06%	-0.37%	-0.39%	16.35%	
600	Henrietta	15.05%	0.00%	0.00%	-0.06%	0.00%	-0.02%	0.07%	0.33%	0.32%	15.37%	
602	Hereford	10.45%	0.00%	0.00%	-0.08%	0.02%	0.01%	-0.26%	-0.73%	-1.04%	9.41%	
605	Hewitt	16.44%	0.00%	0.00%	-0.06%	0.01%	-0.08%	0.03%	-0.76%	-0.86%	15.58%	
609	Hickory Creek	13.69%	0.00%	0.00%	-0.04%	0.06%	-0.17%	0.27%	0.79%	0.91%	14.60%	
606	Hico	8.49%	0.00%	0.00%	-0.05%	-0.02%	0.00%	0.27%	0.31%	0.51%	9.00%	
607	Hidalgo	12.51%	0.00%	0.00%	-0.07%	0.08%	0.19%	0.03%	-0.46%	-0.23%	12.28%	
608	Higgins	3.95%	0.00%	0.00%	-0.07%	-0.01%	0.02%	-0.02%	-0.02%	-0.10%	3.85%	
610	Highland Park	9.33%	0.00%	0.00%	-0.15%	-0.02%	0.02%	0.03%	-0.23%	-0.35%	8.98%	
611	Highland Village	13.56%	0.00%	0.00%	-0.06%	-0.01%	-0.01%	0.38%	-0.05%	0.25%	13.81%	
613	Hill Country Village	3.85%	0.00%	0.00%	-0.05%	0.00%	0.01%	0.29%	-0.06%	0.19%	4.04%	
612	Hillsboro	11.28%	0.00%	0.00%	-0.07%	-0.05%	-0.04%	-0.02%	0.50%	0.32%	11.60%	
619	Hilshire Village	9.75%	0.00%	0.00%	0.05%	-3.09%	-0.13%	-0.04%	1.16%	-2.05%	7.70%	
614	Hitchcock	4.13%	0.00%	0.00%	-0.05%	0.00%	-0.02%	-0.31%	-0.07%	-0.45%	3.68%	
615	Holland	5.75%	0.00%	0.00%	-0.08%	0.01%	-0.45%	0.10%	-0.87%	-1.29%	4.46%	
616	Holliday	2.57%	0.00%	0.00%	-0.03%	0.00%	0.00%	0.14%	-0.03%	0.08%	2.65%	
617	Hollywood Park	9.02%	0.00%	0.00%	-0.04%	0.01%	-0.04%	-0.02%	-0.22%	-0.31%	8.71%	
618	Hondo	8.35%	0.00%	0.00%	-0.07%	-0.01%	0.00%	-0.28%	-0.21%	-0.57%	7.78%	
620	Honey Grove	6.64%	0.00%	0.00%	-0.11%	-0.36%	-0.03%	0.10%	-0.14%	-0.54%	6.10%	
622	Hooks	13.52%	0.00%	0.00%	-0.07%	0.18%	0.56%	0.13%	-0.13%	0.67%	14.19%	
623	Horizon City	5.75%	0.00%	0.00%	0.01%	-0.05%	-0.18%	0.02%	0.07%	-0.13%	5.62%	
626	Howe	4.87%	0.00%	0.00%	-0.06%	-0.24%	0.04%	0.18%	0.21%	0.13%	5.00%	
627	Hubbard	2.87%	0.00%	0.00%	-0.02%	-0.01%	0.00%	-0.04%	0.01%	-0.06%	2.81%	
628	Hudson	4.08%	0.00%	0.00%	-0.02%	-0.04%	-0.01%	0.08%	0.16%	0.17%	4.25%	
629	Hudson Oaks	12.12%	0.00%	0.00%	-0.03%	-0.03%	-0.06%	1.02%	-1.17%	-0.27%	11.85%	
630	Hughes Springs	8.36%	0.00%	0.00%	-0.17%	-0.05%	0.27%	0.01%	-0.55%	-0.49%	7.87%	
632	Humble	13.31%	0.00%	0.00%	-0.10%	-0.09%	-0.09%	-0.06%	0.04%	-0.30%	13.01%	
633	Hunters Creek Village	18.57%	0.00%	0.00%	-0.03%	-0.04%	-0.19%	0.38%	-0.69%	-0.57%	18.00%	
634	Huntington	15.32%	0.00%	0.00%	-0.07%	0.01%	-0.20%	0.15%	0.16%	0.05%	15.37%	
636	Huntsville	18.29%	0.00%	0.00%	-0.13%	-0.12%	-0.38%	0.02%	0.04%	-0.57%	17.72%	
637	Hurst	11.68%	0.19%	0.00%	-0.17%	0.11%	0.21%	0.02%	-0.16%	0.20%	11.88%	
638	Hutchins	9.05%	0.00%	0.00%	-0.03%	0.00%	0.02%	-0.07%	-0.37%	-0.45%	8.60%	
640	Hutto	12.17%	0.00%	0.00%	-0.01%	0.15%	-0.05%	-0.13%	-0.41%	-0.45%	11.72%	
641	Huxley	0.78%	0.00%	0.00%	-0.06%	-0.04%	-0.07%	0.07%	0.10%	0.00%	0.78%	
642	Idalou	4.10%	0.00%	0.00%	-0.01%	0.01%	0.00%	0.21%	-0.20%	0.01%	4.11%	
643	Ingleside	7.32%	0.00%	0.00%	-0.06%	-0.29%	0.04%	0.31%	0.21%	0.21%	7.53%	
646	Ingram	7.93%	0.00%	0.00%	-0.02%	-0.03%	0.01%	-0.01%	-0.81%	-0.86%	7.07%	
647	Iowa Colony	8.30%	2.08%	0.00%	0.01%	-3.66%	-0.03%	-0.14%	0.27%	-1.47%	6.83%	
644	Iowa Park	13.25%	0.00%	0.00%	-0.16%	-0.19%	0.03%	0.08%	-1.60%	-1.84%	11.41%	
645	Iraan	18.23%	0.00%	0.00%	-0.14%	-0.03%	-0.21%	-0.03%	0.43%	0.02%	18.25%	
648	Irving	14.71%	0.00%	0.00%	-0.12%	-0.02%	-0.15%	0.02%	-0.12%	-0.39%	14.32%	
650	Italy	2.99%	0.00%	0.00%	-0.01%	-0.01%	-0.03%	0.11%	-0.02%	0.04%	3.03%	
652	Itasca	11.01%	0.00%	0.00%	-0.06%	0.05%	-0.03%	-1.35%	-0.11%	-1.50%	9.51%	
654	Jacinto City	7.53%	4.27%	0.00%	-0.05%	0.18%	-1.00%	0.04%	0.41%	3.85%	11.38%	
656	Jacksboro	14.51%	0.00%	0.00%	-0.07%	0.00%	0.05%	-0.08%	-0.75%	-0.85%	13.66%	

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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes		Prior Bases						
658	Jacksonville	10.68%	0.00%	0.00%	-0.10%	-0.03%	-0.03%	0.01%	-0.05%	-0.20%	10.48%	
660	Jasper	8.68%	0.00%	0.00%	-0.16%	-0.11%	-0.11%	-0.06%	0.21%	-0.23%	8.45%	
664	Jefferson	0.92%	0.00%	0.00%	-0.07%	-0.09%	-0.11%	-0.01%	-0.01%	-0.29%	0.63%	
665	Jersey Village	13.75%	0.00%	0.00%	-0.06%	-0.09%	-0.11%	0.24%	0.14%	0.12%	13.87%	
666	Jewett	13.74%	0.00%	0.00%	-0.11%	0.25%	-0.05%	0.03%	-0.94%	-0.82%	12.92%	
668	Joaquin	4.57%	0.00%	0.00%	-0.04%	0.12%	0.51%	0.11%	0.06%	0.76%	5.33%	
670	Johnson City	9.68%	0.00%	0.00%	-0.04%	0.05%	0.15%	-0.43%	-0.74%	-1.01%	8.67%	
673	Jones Creek	5.55%	0.00%	0.00%	-0.02%	-0.14%	-0.33%	0.00%	0.21%	-0.28%	5.27%	
675	Jonestown	7.52%	0.00%	0.00%	0.00%	-0.05%	-0.07%	0.10%	0.08%	0.06%	7.58%	
677	Josephine	5.91%	3.75%	0.00%	0.03%	-1.09%	-0.06%	-0.11%	0.14%	2.66%	8.57%	
671	Joshua	5.76%	0.00%	0.00%	-0.03%	0.03%	-0.03%	0.33%	-0.09%	0.21%	5.97%	
672	Jourdanton	5.78%	0.00%	0.00%	-0.03%	-0.01%	0.00%	0.07%	-0.30%	-0.27%	5.51%	
674	Junction	14.95%	0.00%	0.00%	-0.06%	-0.13%	-0.08%	0.15%	-2.94%	-3.06%	11.89%	
676	Justin	7.57%	0.00%	0.00%	-0.01%	-0.07%	-0.13%	-0.06%	-0.04%	-0.31%	7.26%	
678	Karnes City	8.77%	0.00%	0.00%	-0.02%	0.03%	0.11%	-0.02%	-0.30%	-0.20%	8.57%	
680	Katy	13.74%	0.00%	0.00%	-0.05%	0.00%	-0.03%	0.00%	-0.15%	-0.23%	13.51%	
682	Kaufman	14.86%	0.00%	0.00%	-0.07%	-0.08%	-0.36%	0.02%	-0.36%	-0.85%	14.01%	
683	Keene	12.27%	0.00%	0.00%	-0.10%	-0.05%	-0.03%	0.35%	-0.48%	-0.31%	11.96%	
681	Keller	16.07%	0.00%	0.00%	-0.09%	0.02%	0.07%	-0.06%	0.03%	-0.03%	16.04%	
685	Kemah	6.28%	0.00%	0.00%	-0.05%	0.01%	-0.08%	0.35%	-0.49%	-0.26%	6.02%	
684	Kemp	5.67%	3.71%	0.00%	-0.01%	0.26%	0.04%	0.23%	0.10%	4.33%	10.00%	
686	Kenedy	3.40%	0.00%	0.00%	-0.02%	-0.06%	-0.06%	0.01%	0.18%	0.05%	3.45%	
688	Kennedale	13.39%	0.00%	0.00%	-0.06%	-0.05%	0.02%	0.05%	0.66%	0.62%	14.01%	
690	Kerens	12.05%	0.00%	0.00%	0.01%	-0.04%	0.54%	0.09%	0.35%	0.95%	13.00%	
692	Kermit	15.66%	0.00%	0.00%	-0.06%	-0.16%	-0.44%	-0.07%	1.18%	0.45%	16.11%	
10694	Kerrville	10.47%	0.00%	0.00%	-0.09%	0.00%	-0.02%	-0.09%	0.12%	-0.08%	10.39%	
20694	Kerrville PUB	11.96%	0.00%	0.00%	-0.13%	-0.15%	-0.02%	-0.05%	0.00%	-0.35%	11.61%	
10696	Kilgore	13.84%	0.00%	0.00%	-0.10%	-0.06%	-0.13%	0.07%	0.13%	-0.09%	13.75%	
698	Killeen	11.33%	3.15%	0.00%	-0.07%	0.18%	0.03%	0.01%	0.14%	3.44%	14.77%	
700	Kingsville	8.37%	0.00%	0.00%	-0.12%	-0.03%	-0.01%	0.03%	-0.20%	-0.33%	8.04%	
701	Kirby	14.49%	0.00%	0.00%	-0.05%	-0.02%	0.06%	-0.31%	-0.31%	-0.63%	13.86%	
702	Kirbyville	5.91%	0.00%	0.00%	-0.04%	-0.01%	0.09%	-0.08%	-0.31%	-0.35%	5.56%	
704	Knox City	2.73%	0.00%	0.00%	-0.05%	0.02%	0.01%	-0.15%	0.02%	-0.15%	2.58%	
706	Kosse	4.48%	0.00%	0.00%	0.01%	-0.15%	-0.17%	-0.30%	-2.40%	-3.01%	1.47%	
708	Kountze	1.60%	0.00%	0.00%	-0.02%	0.01%	0.01%	-0.02%	-0.07%	-0.09%	1.51%	
709	Kress	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
699	Krugerville	7.74%	0.00%	0.00%	0.00%	-0.11%	-0.02%	0.02%	0.37%	0.26%	8.00%	
707	Krum	6.38%	0.00%	0.00%	0.00%	-0.15%	0.00%	-0.20%	0.15%	-0.20%	6.18%	
710	Kyle	12.99%	0.00%	0.00%	-0.01%	-0.02%	-0.11%	-0.12%	0.01%	-0.25%	12.74%	
725	La Coste	1.80%	0.00%	0.00%	-0.01%	0.01%	-0.04%	0.10%	-0.02%	0.04%	1.84%	
714	La Feria	15.71%	0.00%	0.00%	-0.06%	0.06%	0.19%	-0.04%	-1.30%	-1.15%	14.56%	
716	La Grange	14.00%	0.00%	0.00%	-0.14%	0.02%	0.17%	0.11%	-0.16%	0.00%	14.00%	
723	La Grulla	5.39%	0.00%	0.00%	-0.03%	0.08%	-0.65%	0.21%	-0.32%	-0.71%	4.68%	
732	La Joya	6.89%	0.00%	0.00%	-0.01%	-0.12%	-0.68%	-0.10%	-0.13%	-1.04%	5.85%	
721	La Marque	14.55%	0.00%	0.00%	-0.06%	-0.20%	-0.77%	0.02%	0.60%	-0.41%	14.14%	
728	La Porte	15.34%	0.00%	0.00%	-0.12%	-0.13%	-0.12%	0.13%	0.47%	0.23%	15.57%	
731	La Vernia	5.52%	0.00%	0.00%	0.00%	-0.05%	-0.04%	-0.06%	0.03%	-0.12%	5.40%	
711	Lacy-Lakeview	14.86%	0.00%	0.00%	-0.05%	0.02%	0.00%	0.09%	-1.45%	-1.39%	13.47%	
712	Ladonia	4.46%	0.00%	0.00%	-0.04%	0.05%	0.17%	0.19%	0.10%	0.47%	4.93%	
713	Lago Vista	7.86%	0.00%	0.00%	-0.04%	-0.09%	-0.08%	-0.02%	0.31%	0.08%	7.94%	
705	Laguna Vista	4.08%	0.00%	0.00%	-0.03%	0.00%	-0.03%	0.37%	-0.32%	-0.01%	4.07%	
717	Lake Dallas	13.47%	0.00%	0.00%	-0.09%	-0.15%	-0.34%	0.13%	-0.06%	-0.51%	12.96%	
718	Lake Jackson	11.41%	0.00%	0.00%	-0.20%	-0.07%	0.05%	-0.05%	-0.07%	-0.34%	11.07%	
719	Lake Worth	16.36%	0.00%	0.00%	-0.05%	0.03%	0.03%	0.59%	0.06%	0.66%	17.02%	

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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes								
727	Lakeport	0.32%	0.00%	0.00%	-0.03%	0.02%	-0.01%	0.01%	0.01%	0.00%	0.32%	
715	Lakeside	10.91%	0.00%	0.00%	-0.01%	-0.05%	-0.15%	0.05%	0.23%	0.07%	10.98%	
729	Lakeside City	1.85%	3.38%	0.00%	-0.02%	0.37%	0.00%	-0.02%	-0.27%	3.44%	5.29%	
720	Lakeway	13.63%	0.00%	0.00%	-0.03%	-0.07%	0.03%	-0.04%	-0.01%	-0.12%	13.51%	
722	Lamesa	4.64%	0.00%	0.00%	-0.11%	-0.01%	0.02%	-0.02%	-0.41%	-0.53%	4.11%	
724	Lampasas	15.54%	0.00%	0.00%	-0.06%	-0.06%	-0.09%	0.08%	0.34%	0.21%	15.75%	
726	Lancaster	13.90%	0.00%	0.00%	-0.07%	0.05%	-0.07%	-0.16%	-0.41%	-0.66%	13.24%	
730	Laredo	21.03%	0.00%	0.00%	-0.10%	-0.04%	-0.43%	0.01%	0.05%	-0.51%	20.52%	
733	Lavon	7.30%	0.00%	0.00%	-0.01%	-0.08%	-0.05%	0.04%	0.25%	0.15%	7.45%	
736	League City	14.68%	0.00%	0.00%	-0.07%	-0.02%	-0.12%	0.03%	-0.12%	-0.30%	14.38%	
737	Leander	12.02%	0.00%	0.00%	-0.01%	-0.06%	-0.16%	0.04%	0.35%	0.16%	12.18%	
735	Lefors	3.65%	0.00%	0.00%	0.01%	-0.28%	0.02%	0.46%	-0.52%	-0.31%	3.34%	
739	Leon Valley	17.65%	0.00%	0.00%	-0.13%	-0.04%	-0.23%	0.01%	0.37%	-0.02%	17.63%	
738	Leonard	0.88%	0.00%	0.00%	-0.03%	-0.10%	-0.05%	0.17%	0.04%	0.03%	0.91%	
740	Levelland	10.60%	0.00%	0.00%	-0.16%	-0.02%	0.01%	0.02%	-1.41%	-1.56%	9.04%	
742	Lewisville	16.71%	0.00%	0.00%	-0.11%	0.00%	-0.05%	0.01%	-0.21%	-0.36%	16.35%	
744	Lexington	9.82%	0.00%	0.00%	-0.08%	0.04%	-0.13%	-0.09%	-1.58%	-1.84%	7.98%	
746	Liberty	16.53%	0.00%	0.00%	-0.04%	-0.21%	-0.56%	0.01%	-0.25%	-1.05%	15.48%	
745	Liberty Hill	7.03%	0.00%	0.00%	0.02%	-0.24%	-0.06%	-0.23%	0.20%	-0.31%	6.72%	
748	Lindale	15.16%	0.00%	0.00%	-0.04%	0.02%	-0.06%	0.01%	-0.33%	-0.40%	14.76%	
750	Linden	1.01%	0.00%	0.00%	-0.04%	0.00%	-0.07%	-0.08%	-0.02%	-0.21%	0.80%	
749	Lindsay	4.86%	0.00%	0.00%	0.02%	-0.08%	-0.11%	-0.03%	0.35%	0.15%	5.01%	
755	Lipan	2.32%	0.00%	0.00%	-0.04%	-0.08%	-0.02%	-0.15%	-0.03%	-0.32%	2.00%	
751	Little Elm	13.42%	0.00%	0.00%	-0.01%	-0.14%	-0.23%	0.25%	0.47%	0.34%	13.76%	
752	Littlefield	7.89%	0.00%	0.00%	-0.08%	-0.08%	0.01%	0.04%	-0.76%	-0.87%	7.02%	
753	Live Oak	18.14%	0.00%	0.00%	-0.11%	-0.24%	-0.31%	0.21%	-0.02%	-0.47%	17.67%	
757	Liverpool	1.83%	0.00%	0.00%	0.00%	-0.01%	0.00%	-0.01%	0.04%	0.02%	1.85%	
754	Livingston	16.20%	0.00%	0.00%	-0.18%	0.07%	0.01%	0.01%	-0.86%	-0.95%	15.25%	
756	Llano	13.45%	0.00%	0.00%	-0.06%	-0.09%	0.09%	0.16%	-0.48%	-0.38%	13.07%	
758	Lockhart	12.47%	0.00%	0.00%	-0.09%	-0.10%	-0.19%	0.00%	0.24%	-0.14%	12.33%	
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	2.21%	0.00%	0.00%	-0.07%	-0.02%	-0.05%	0.09%	0.08%	0.03%	2.24%	
766	Longview	11.20%	0.00%	0.00%	-0.12%	0.03%	0.01%	-0.06%	-0.04%	-0.18%	11.02%	
768	Lorraine	2.69%	0.00%	0.00%	-0.03%	-0.03%	-0.02%	0.88%	-0.06%	0.74%	3.43%	
769	Lorena	10.54%	0.00%	0.00%	-0.04%	0.00%	0.00%	0.03%	-0.03%	-0.04%	10.50%	
770	Lorenzo	1.94%	0.00%	0.00%	-0.06%	-0.07%	-0.10%	-0.19%	-0.04%	-0.46%	1.48%	
771	Los Fresnos	7.25%	0.00%	0.00%	-0.03%	0.01%	-0.03%	-0.09%	0.06%	-0.08%	7.17%	
773	Lott	1.33%	0.00%	0.00%	-0.01%	0.01%	-0.02%	0.32%	-0.02%	0.28%	1.61%	
774	Lovelady	7.62%	0.00%	0.00%	0.01%	-0.19%	0.00%	-0.03%	0.36%	0.15%	7.77%	
778	Lubbock	17.47%	0.00%	0.00%	-0.14%	-0.01%	-0.09%	-0.01%	-0.56%	-0.81%	16.66%	
779	Lucas	12.69%	0.00%	0.00%	-0.01%	0.00%	-0.03%	-0.04%	-0.14%	-0.22%	12.47%	
782	Lufkin	16.40%	0.00%	0.00%	-0.14%	0.04%	0.25%	-0.03%	-0.25%	-0.13%	16.27%	
784	Luling	6.33%	0.00%	0.00%	-0.06%	-0.19%	0.00%	0.13%	-0.12%	-0.24%	6.09%	
785	Lumberton	15.74%	0.00%	0.00%	-0.07%	-0.03%	-0.01%	-0.02%	-0.10%	-0.23%	15.51%	
786	Lyford	2.83%	0.00%	0.00%	-0.03%	-0.17%	0.17%	0.09%	-0.19%	-0.13%	2.70%	
787	Lytle	10.59%	0.00%	0.00%	-0.05%	0.02%	-0.04%	0.11%	-0.16%	-0.12%	10.47%	
790	Madisonville	9.28%	0.00%	0.00%	-0.05%	-0.04%	-0.03%	0.04%	-0.67%	-0.75%	8.53%	
791	Magnolia	4.81%	0.00%	0.00%	-0.01%	-0.02%	-0.01%	-0.13%	-0.02%	-0.19%	4.62%	
792	Malakoff	7.44%	0.00%	0.00%	-0.04%	-0.08%	0.00%	0.21%	-0.72%	-0.63%	6.81%	
796	Manor	8.76%	0.00%	0.00%	0.00%	-0.07%	-0.17%	-0.02%	-0.27%	-0.53%	8.23%	
798	Mansfield	16.05%	0.00%	0.00%	-0.08%	-0.08%	-0.15%	0.12%	0.02%	-0.17%	15.88%	
799	Manvel	9.97%	0.00%	0.00%	0.00%	-0.15%	-0.26%	-0.12%	-0.06%	-0.59%	9.38%	
800	Marble Falls	10.60%	0.00%	0.00%	-0.06%	-0.02%	0.04%	0.03%	0.09%	0.08%	10.68%	
802	Marfa	3.20%	0.00%	0.00%	-0.03%	-0.01%	0.02%	-0.10%	0.03%	-0.09%	3.11%	



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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes								
804	Marion	4.73%	0.00%	0.00%	-0.04%	-0.05%	-0.06%	0.05%	-0.35%	-0.45%	4.28%	
806	Marlin	8.03%	0.00%	0.00%	-0.05%	-0.08%	0.02%	0.07%	-0.60%	-0.64%	7.39%	
808	Marquez	18.09%	0.00%	0.00%	0.05%	0.03%	0.28%	0.01%	-0.01%	0.36%	18.45%	
810	Marshall	16.23%	0.00%	0.00%	-0.16%	0.01%	0.06%	-0.17%	-0.21%	-0.47%	15.76%	
812	Mart	3.10%	0.00%	0.00%	-0.05%	0.06%	0.09%	0.02%	0.04%	0.16%	3.26%	
813	Martindale	10.30%	0.00%	0.00%	-0.01%	-0.64%	0.38%	-0.11%	-1.73%	-2.11%	8.19%	
814	Mason	6.12%	0.00%	0.00%	-0.15%	-0.05%	0.02%	-0.14%	-0.08%	-0.40%	5.72%	
816	Matador	7.43%	0.00%	0.00%	-0.05%	0.12%	0.29%	0.14%	-1.35%	-0.85%	6.58%	
818	Mathis	4.33%	0.00%	0.00%	-0.04%	-0.02%	0.04%	0.09%	-0.12%	-0.05%	4.28%	
820	Maud	3.49%	0.00%	0.00%	-0.01%	0.07%	0.58%	0.09%	0.14%	0.87%	4.36%	
822	Maypearl	1.20%	0.00%	0.00%	-0.02%	-0.10%	-0.01%	-0.38%	-0.01%	-0.52%	0.68%	
824	McAllen	8.19%	0.00%	0.00%	-0.07%	-0.05%	-0.04%	0.10%	0.00%	-0.06%	8.13%	
826	McCamey	2.36%	0.00%	0.00%	-0.06%	0.04%	0.07%	-0.05%	0.06%	0.06%	2.42%	
828	McGregor	9.66%	0.00%	0.00%	-0.05%	0.05%	0.12%	0.10%	-0.11%	0.11%	9.77%	
830	McKinney	14.93%	0.00%	0.00%	-0.04%	-0.02%	-0.12%	0.00%	0.27%	0.09%	15.02%	
832	McLean	2.45%	0.00%	0.00%	-0.08%	-0.05%	-0.02%	0.05%	0.06%	-0.04%	2.41%	
833	McLendon-Chisholm	1.57%	5.42%	0.00%	-0.01%	0.39%	0.03%	0.26%	-0.35%	5.74%	7.31%	
834	Meadow	4.23%	0.00%	0.00%	0.01%	-0.02%	0.01%	-0.13%	0.08%	-0.05%	4.18%	
831	Meadowlakes	2.40%	0.00%	0.00%	-0.01%	0.04%	0.01%	0.00%	0.05%	0.09%	2.49%	
835	Meadows Place	10.16%	0.48%	0.00%	-0.08%	-0.08%	-0.50%	0.23%	0.18%	0.23%	10.39%	
837	Melissa	12.63%	0.00%	0.00%	-0.01%	-0.26%	-0.28%	-0.14%	0.29%	-0.40%	12.23%	
1501	Memorial Villages PD	11.31%	0.00%	0.00%	-0.07%	-0.06%	-0.21%	0.03%	0.12%	-0.19%	11.12%	
840	Memphis	10.46%	0.00%	0.00%	-0.09%	0.06%	-0.08%	0.23%	-0.24%	-0.12%	10.34%	
842	Menard	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
844	Mercedes	16.73%	0.00%	0.00%	-0.09%	-0.25%	-0.58%	0.03%	-0.27%	-1.16%	15.57%	
846	Meridian	3.35%	0.00%	0.00%	-0.03%	0.02%	0.03%	-0.03%	0.00%	-0.01%	3.34%	
848	Merkel	13.87%	0.00%	0.00%	-0.04%	-0.03%	-0.17%	0.04%	-1.13%	-1.33%	12.54%	
852	Mertzton	11.06%	0.00%	0.00%	-0.01%	0.00%	-0.04%	-0.12%	-0.12%	-0.29%	10.77%	
854	Mesquite	17.64%	0.44%	0.00%	-0.37%	0.10%	0.10%	-0.03%	-0.20%	0.04%	17.68%	
856	Mexia	11.83%	0.00%	0.00%	-0.07%	0.07%	0.12%	0.03%	-0.61%	-0.46%	11.37%	
858	Miami	10.76%	0.00%	0.00%	0.00%	-0.19%	-0.05%	0.00%	-0.31%	-0.55%	10.21%	
860	Midland	14.53%	0.00%	0.00%	-0.13%	-0.06%	-0.35%	-0.09%	0.34%	-0.29%	14.24%	
862	Midlothian	15.00%	0.00%	0.00%	-0.03%	-0.11%	-0.25%	0.11%	0.17%	-0.11%	14.89%	
863	Milano	11.78%	0.00%	0.00%	0.03%	0.21%	0.22%	0.00%	-0.07%	0.39%	12.17%	
864	Miles	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
865	Milford	8.54%	0.00%	0.00%	-0.09%	-0.02%	0.03%	0.05%	0.14%	0.11%	8.65%	
868	Mineola	5.05%	5.27%	0.00%	-0.07%	0.30%	-0.01%	0.07%	0.12%	5.68%	10.73%	
870	Mineral Wells	8.58%	0.00%	0.00%	-0.12%	-0.10%	-0.08%	-0.06%	-0.07%	-0.43%	8.15%	
874	Mission	8.75%	0.00%	0.00%	-0.04%	0.01%	0.01%	0.03%	-0.01%	0.00%	8.75%	
875	Missouri City	8.92%	0.56%	0.00%	-0.09%	-0.01%	-0.04%	0.03%	-0.32%	0.13%	9.05%	
876	Monahans	7.11%	0.00%	0.00%	-0.08%	-0.05%	-0.04%	0.02%	-0.13%	-0.28%	6.83%	
887	Mont Belvieu	13.92%	0.00%	0.00%	-0.02%	-0.32%	-0.90%	0.61%	0.46%	-0.17%	13.75%	
877	Montgomery	5.70%	3.87%	0.00%	-0.01%	0.17%	-0.07%	0.02%	-0.09%	3.89%	9.59%	
878	Moody	2.23%	0.00%	0.00%	-0.04%	0.00%	0.01%	-0.05%	0.05%	-0.03%	2.20%	
883	Morgan's Point	10.26%	0.00%	0.00%	-0.13%	-0.02%	-0.08%	-0.20%	0.33%	-0.10%	10.16%	
882	Morgan's Point Resort	11.85%	0.00%	0.00%	-0.04%	0.04%	0.12%	-0.42%	0.28%	-0.02%	11.83%	
884	Morton	4.33%	0.00%	0.00%	-0.13%	0.01%	0.23%	0.03%	-1.32%	-1.18%	3.15%	
886	Moulton	4.17%	0.00%	0.00%	-0.11%	-0.02%	-0.02%	0.08%	0.07%	0.00%	4.17%	
890	Mount Enterprise	1.69%	0.00%	0.00%	-0.07%	-0.15%	-0.11%	0.01%	0.88%	0.56%	2.25%	
892	Mt. Pleasant	14.63%	0.00%	0.00%	-0.08%	-0.17%	-0.26%	0.37%	0.27%	0.13%	14.76%	
894	Mt. Vernon	11.39%	0.00%	0.00%	-0.07%	0.05%	0.07%	0.31%	-1.55%	-1.19%	10.20%	
896	Muenster	2.52%	0.00%	0.00%	-0.09%	0.06%	0.06%	-0.46%	-0.24%	-0.67%	1.85%	
898	Muleshoe	19.70%	0.00%	0.00%	-0.16%	-0.09%	-0.99%	0.15%	0.55%	-0.54%	19.16%	
901	Munday	3.44%	0.00%	0.00%	-0.03%	0.01%	0.08%	0.06%	-0.10%	0.02%	3.46%	

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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes								
903	Murphy	14.24%	0.00%	0.00%	-0.04%	0.01%	0.01%	-0.07%	0.08%	-0.01%	14.23%	
10904	Nacogdoches	14.31%	0.00%	0.00%	-0.12%	-0.05%	0.09%	0.05%	0.19%	0.16%	14.47%	
906	Naples	1.39%	0.00%	0.00%	-0.04%	-0.03%	-0.13%	0.18%	0.10%	0.08%	1.47%	
907	Nash	18.28%	0.00%	0.00%	-0.02%	0.05%	-0.06%	0.72%	-0.39%	0.30%	18.58%	
905	Nassau Bay	15.00%	-3.66%	0.00%	-0.04%	-0.38%	-0.12%	-0.06%	0.07%	-4.19%	10.81%	
909	Natalia	2.77%	0.00%	0.00%	-0.01%	-0.05%	-0.06%	-0.29%	-0.10%	-0.51%	2.26%	
908	Navasota	5.80%	1.06%	0.00%	-0.09%	-0.11%	-0.01%	-0.16%	0.06%	0.75%	6.55%	
910	Nederland	7.36%	0.00%	0.00%	-0.15%	0.04%	0.01%	-0.05%	0.31%	0.16%	7.52%	
912	Needville	3.92%	0.00%	0.00%	-0.06%	-0.03%	0.00%	-0.09%	-0.16%	-0.34%	3.58%	
914	New Boston	1.35%	0.00%	0.00%	-0.06%	-0.06%	0.12%	-0.03%	0.12%	0.09%	1.44%	
10916	New Braunfels	16.92%	0.00%	0.00%	-0.05%	-0.07%	-0.19%	0.08%	0.36%	0.13%	17.05%	
20916	New Braunfels Utilities	17.86%	0.00%	0.00%	-0.06%	-0.11%	-0.59%	-0.17%	0.68%	-0.25%	17.61%	
915	New Deal	0.87%	0.00%	0.00%	-0.04%	-0.03%	0.06%	-0.23%	-0.07%	-0.31%	0.56%	
923	New Fairview	11.33%	0.00%	0.00%	0.00%	-0.53%	-4.98%	0.68%	0.10%	-4.73%	6.60%	
918	New London	3.44%	0.00%	0.00%	-0.05%	0.00%	-0.02%	0.08%	-0.11%	-0.10%	3.34%	
919	New Summerfield	7.61%	0.00%	0.00%	-0.02%	-0.02%	0.01%	0.05%	0.05%	0.07%	7.68%	
917	New Waverly	16.47%	0.00%	0.00%	-0.09%	-0.06%	-2.03%	-0.12%	0.68%	-1.62%	14.85%	
913	Newark	2.25%	0.00%	0.00%	0.00%	-0.05%	-0.01%	-0.45%	-0.53%	-1.04%	1.21%	
920	Newton	21.46%	0.00%	0.00%	-0.10%	-0.41%	-1.19%	0.49%	-0.53%	-1.74%	19.72%	
922	Nixon	0.67%	0.00%	0.00%	-0.02%	-0.17%	0.09%	0.13%	0.08%	0.11%	0.78%	
924	Nocona	10.27%	0.00%	0.00%	-0.06%	0.01%	-0.06%	0.05%	0.19%	0.13%	10.40%	
925	Nolanville	1.94%	0.00%	0.00%	0.01%	-0.05%	-0.07%	0.02%	0.02%	-0.07%	1.87%	
928	Normangee	3.56%	0.00%	0.00%	-0.02%	0.16%	0.20%	0.03%	0.18%	0.55%	4.11%	
931	North Richland Hills	16.83%	0.00%	0.00%	-0.14%	0.09%	0.11%	-0.01%	-0.07%	-0.02%	16.81%	
930	Northlake	9.83%	0.00%	0.00%	0.00%	-0.11%	-0.27%	-0.08%	0.48%	0.02%	9.85%	
935	O'Donnell	5.09%	0.00%	0.00%	-0.06%	-0.37%	0.15%	-0.06%	-0.57%	-0.91%	4.18%	
936	Oak Point	7.17%	0.00%	0.00%	-0.02%	-0.05%	-0.07%	-0.05%	0.08%	-0.11%	7.06%	
937	Oak Ridge North	11.56%	0.00%	0.00%	-0.07%	0.03%	0.03%	-0.02%	0.28%	0.25%	11.81%	
942	Odem	8.17%	0.00%	0.00%	-0.02%	-0.17%	-0.21%	-0.06%	0.36%	-0.10%	8.07%	
944	Odessa	13.87%	0.00%	0.00%	-0.14%	-0.03%	-0.20%	0.07%	0.13%	-0.17%	13.70%	
945	Oglesby	1.43%	0.00%	0.00%	-0.08%	0.04%	-0.04%	0.00%	0.39%	0.31%	1.74%	
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	2.99%	0.00%	0.00%	-0.08%	-0.07%	0.02%	-0.16%	0.05%	-0.24%	2.75%	
951	Olney	6.76%	0.00%	0.00%	-0.01%	-0.04%	-0.01%	-0.02%	0.00%	-0.08%	6.68%	
953	Omaha	4.91%	0.00%	0.00%	-0.04%	0.02%	0.15%	0.09%	0.07%	0.29%	5.20%	
954	Onalaska	2.42%	0.09%	0.00%	-0.02%	0.00%	0.06%	0.06%	-0.41%	-0.22%	2.20%	
958	Orange	14.76%	0.00%	0.00%	-0.17%	-0.10%	-0.13%	0.05%	-0.01%	-0.36%	14.40%	
960	Orange Grove	8.12%	0.00%	0.00%	-0.07%	0.05%	0.05%	-0.13%	0.04%	-0.06%	8.06%	
959	Ore City	1.13%	0.00%	0.00%	-0.01%	-0.02%	0.00%	0.28%	0.02%	0.27%	1.40%	
962	Overton	3.78%	0.00%	0.00%	-0.03%	0.04%	0.03%	0.02%	-0.07%	-0.01%	3.77%	
961	Ovilla	9.72%	0.00%	0.00%	-0.04%	-0.10%	-0.11%	0.25%	0.48%	0.48%	10.20%	
963	Oyster Creek	11.19%	0.00%	0.00%	-0.06%	-0.04%	-0.05%	-0.51%	0.09%	-0.57%	10.62%	
964	Paducah	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
966	Palacios	16.76%	0.00%	0.00%	-0.06%	-0.04%	-0.20%	0.01%	-0.02%	-0.31%	16.45%	
968	Palestine	13.98%	0.00%	0.00%	-0.09%	-0.02%	-0.25%	0.00%	0.05%	-0.31%	13.67%	
970	Palmer	11.06%	0.00%	0.00%	-0.02%	0.01%	0.01%	0.16%	0.14%	0.30%	11.36%	
969	Palmhurst	5.53%	0.00%	0.00%	0.00%	-0.07%	-0.03%	-0.17%	0.18%	-0.09%	5.44%	
971	Palmview	1.72%	0.00%	0.00%	-0.01%	-0.02%	0.00%	-0.01%	0.03%	-0.01%	1.71%	
972	Pampa	21.79%	0.00%	0.00%	-0.11%	-0.01%	-0.29%	-0.12%	-0.59%	-1.12%	20.67%	
974	Panhandle	11.04%	0.00%	0.00%	-0.06%	0.06%	0.26%	-0.14%	-0.28%	-0.16%	10.88%	
973	Panorama Village	5.25%	0.00%	0.00%	-0.06%	-0.08%	0.01%	-0.13%	0.07%	-0.19%	5.06%	
975	Pantego	15.86%	0.00%	0.00%	-0.10%	-0.07%	0.05%	0.52%	-0.56%	-0.16%	15.70%	
976	Paris	6.78%	0.00%	0.00%	-0.12%	-0.01%	0.09%	-0.06%	-0.23%	-0.33%	6.45%	
977	Parker	13.23%	0.00%	0.00%	-0.03%	0.00%	-0.07%	0.07%	0.45%	0.42%	13.65%	

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			Benefit Changes	Changes								
978	Pasadena	13.24%	0.00%	0.00%	-0.13%	-0.16%	-0.19%	0.02%	0.91%	0.45%	13.69%	
983	Pearland	13.10%	0.00%	0.00%	-0.04%	-0.10%	-0.22%	-0.02%	0.22%	-0.16%	12.94%	
984	Pearsall	4.32%	0.00%	0.00%	-0.04%	-0.03%	0.01%	0.01%	-0.41%	-0.46%	3.86%	
988	Pecos City	6.37%	0.00%	0.00%	-0.03%	-0.05%	-0.08%	-0.12%	0.39%	0.11%	6.48%	
989	Pelican Bay	4.13%	0.00%	0.00%	0.01%	-0.05%	-0.17%	0.22%	0.05%	0.06%	4.19%	
991	Penitas	3.97%	0.00%	0.00%	0.00%	-0.04%	-0.01%	0.07%	-0.05%	-0.03%	3.94%	
994	Perryton	11.86%	0.00%	0.00%	-0.22%	-0.33%	0.00%	0.01%	-1.25%	-1.79%	10.07%	
1000	Pflugerville	13.29%	0.00%	0.00%	-0.04%	0.00%	0.08%	0.12%	0.07%	0.23%	13.52%	
1002	Pharr	7.47%	0.00%	0.00%	-0.06%	-0.03%	-0.03%	0.00%	-0.03%	-0.15%	7.32%	
1004	Pilot Point	11.63%	0.00%	0.00%	-0.02%	0.04%	0.03%	-0.40%	-0.07%	-0.42%	11.21%	
1005	Pinehurst	19.78%	0.00%	0.00%	-0.07%	-0.02%	-0.03%	-1.40%	-0.70%	-2.22%	17.56%	
1003	Pineland	4.00%	0.00%	0.00%	-0.17%	-0.08%	-0.32%	0.02%	-0.05%	-0.60%	3.40%	
1001	Piney Point Village	6.76%	0.00%	0.00%	-0.02%	-0.15%	-0.08%	-0.51%	0.34%	-0.42%	6.34%	
1006	Pittsburg	12.81%	0.00%	0.00%	-0.14%	-0.14%	-0.06%	-0.29%	-1.28%	-1.91%	10.90%	
1007	Plains	4.59%	0.00%	0.00%	-0.11%	-0.42%	0.08%	0.08%	0.10%	-0.27%	4.32%	
1008	Plainview	11.81%	0.00%	0.00%	-0.17%	-0.15%	0.02%	0.18%	-0.17%	-0.29%	11.52%	
1010	Plano	16.68%	0.00%	0.00%	-0.16%	-0.01%	0.07%	0.05%	-0.28%	-0.33%	16.35%	
1012	Pleasanton	15.18%	0.00%	0.00%	-0.04%	-0.04%	-0.27%	0.06%	0.12%	-0.17%	15.01%	
1013	Point	12.92%	0.00%	0.00%	-0.02%	0.24%	0.55%	0.30%	-0.46%	0.61%	13.53%	
1017	Ponder	5.77%	0.00%	0.00%	-0.01%	-0.05%	-0.01%	0.03%	0.09%	0.05%	5.82%	
1014	Port Aransas	11.38%	0.00%	0.00%	-0.03%	-0.14%	-0.30%	0.05%	-0.04%	-0.46%	10.92%	
11016	Port Arthur	13.92%	0.00%	0.00%	-0.13%	-0.07%	-0.25%	0.04%	0.14%	-0.27%	13.65%	
1018	Port Isabel	4.01%	0.00%	0.00%	-0.04%	0.01%	-0.07%	0.08%	-0.16%	-0.18%	3.83%	
1020	Port Lavaca	5.76%	0.00%	0.00%	-0.06%	-0.01%	0.01%	-0.03%	0.06%	-0.03%	5.73%	
1022	Port Neches	13.93%	0.25%	0.00%	-0.14%	0.02%	-0.06%	0.07%	0.53%	0.67%	14.60%	
1019	Portland	13.22%	0.00%	0.00%	-0.05%	-0.08%	-0.37%	-0.11%	0.16%	-0.45%	12.77%	
1024	Post	13.78%	0.00%	0.00%	-0.05%	-0.23%	-0.40%	-0.38%	0.14%	-0.92%	12.86%	
1026	Poteet	2.90%	0.00%	0.00%	-0.03%	0.04%	0.07%	-0.02%	-0.10%	-0.04%	2.86%	
1028	Poth	4.61%	0.00%	0.00%	-0.03%	-0.01%	-0.15%	0.01%	0.16%	-0.02%	4.59%	
1030	Pottsboro	6.75%	0.00%	0.00%	-0.02%	-0.02%	0.01%	-0.14%	0.00%	-0.17%	6.58%	
1031	Prairie View	3.04%	0.00%	0.00%	0.01%	-0.22%	-0.25%	-0.06%	0.06%	-0.46%	2.58%	
1032	Premont	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
1029	Presidio	0.80%	0.00%	0.00%	-0.02%	-0.01%	0.02%	0.00%	-0.07%	-0.08%	0.72%	
1033	Primera	0.65%	0.00%	0.00%	-0.02%	0.05%	0.15%	0.25%	-0.23%	0.20%	0.85%	
1034	Princeton	11.41%	0.00%	0.00%	-0.01%	-0.08%	-0.16%	0.24%	0.45%	0.44%	11.85%	
1036	Prosper	13.74%	0.00%	0.00%	0.00%	-0.15%	-0.23%	0.46%	0.43%	0.51%	14.25%	
1037	Providence Village	6.91%	0.00%	0.00%	0.01%	-0.08%	-0.11%	-0.01%	0.17%	-0.02%	6.89%	
1042	Quanah	8.94%	0.00%	0.00%	-0.16%	-0.55%	0.15%	-0.13%	-4.80%	-5.49%	3.45%	
1045	Queen City	1.60%	0.00%	0.00%	-0.02%	0.00%	-0.08%	0.18%	0.03%	0.11%	1.71%	
1044	Quinlan	9.69%	0.00%	0.00%	0.00%	-0.05%	0.02%	0.07%	0.10%	0.14%	9.83%	
1047	Quintana	4.23%	5.65%	0.00%	0.01%	0.40%	-0.57%	-0.80%	-0.22%	4.47%	8.70%	
1046	Quitague	4.37%	0.00%	0.00%	-0.08%	-0.13%	-0.07%	0.00%	-0.07%	-0.35%	4.02%	
1048	Quitman	5.71%	0.00%	0.00%	-0.08%	-0.17%	0.02%	0.01%	0.16%	-0.06%	5.65%	
1050	Ralls	7.35%	0.00%	0.00%	-0.11%	0.12%	-0.34%	-0.44%	-2.29%	-3.06%	4.29%	
1051	Rancho Viejo	5.46%	0.00%	0.00%	-0.15%	-0.05%	-0.01%	0.38%	0.07%	0.24%	5.70%	
1052	Ranger	7.76%	0.00%	0.00%	-0.04%	-0.04%	0.01%	0.18%	0.12%	0.23%	7.99%	
1054	Rankin	0.96%	10.46%	0.00%	-0.07%	0.61%	0.34%	-0.02%	-4.61%	6.71%	7.67%	
1055	Ransom Canyon	14.39%	0.00%	0.00%	-0.04%	-0.03%	0.61%	0.00%	-0.64%	-0.10%	14.29%	
1058	Raymondville	2.18%	0.00%	0.00%	-0.09%	0.08%	0.05%	-0.04%	-0.40%	-0.40%	1.78%	
1061	Red Oak	6.77%	0.00%	0.00%	-0.02%	-0.04%	-0.03%	-0.01%	-0.10%	-0.20%	6.57%	
1062	Redwater	2.82%	0.00%	0.00%	-0.02%	-0.05%	-0.01%	0.10%	-0.11%	-0.09%	2.73%	
1064	Refugio	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
1065	Reklaw	15.92%	0.00%	0.00%	-0.18%	-0.26%	-0.26%	-0.03%	0.37%	-0.36%	15.56%	
1066	Reno (Lamar County)	5.12%	0.00%	0.00%	-0.03%	0.05%	0.02%	-0.05%	-0.01%	-0.02%	5.10%	

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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes								
1069	Reno (Parker County)	3.28%	0.00%	0.00%	0.00%	-0.07%	-0.02%	0.45%	0.01%	0.37%	3.65%	
1067	Rhome	6.42%	0.00%	0.00%	-0.01%	-0.07%	0.01%	0.26%	0.10%	0.29%	6.71%	
1068	Rice	1.22%	0.00%	0.00%	-0.01%	0.00%	-0.01%	0.17%	0.00%	0.15%	1.37%	
1070	Richardson	14.80%	0.00%	0.00%	-0.24%	-0.15%	0.09%	0.02%	-0.45%	-0.73%	14.07%	
1073	Richland Hills	16.05%	0.00%	0.00%	-0.15%	0.13%	0.16%	0.06%	-0.24%	-0.04%	16.01%	
1076	Richmond	15.13%	0.00%	0.00%	-0.10%	0.08%	0.06%	-0.01%	-0.45%	-0.42%	14.71%	
1077	Richwood	11.17%	0.00%	0.00%	-0.06%	-0.03%	0.13%	0.14%	-0.10%	0.08%	11.25%	
1072	Riesel	5.67%	0.00%	0.00%	-0.01%	0.02%	0.16%	0.00%	0.02%	0.19%	5.86%	
1075	Rio Grande City	6.96%	0.00%	0.00%	-0.02%	0.01%	-0.04%	0.07%	-0.06%	-0.04%	6.92%	
1079	Rio Vista	4.06%	0.00%	0.00%	-0.02%	-0.04%	-0.08%	-0.17%	-0.02%	-0.33%	3.73%	
1080	Rising Star	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
1082	River Oaks	14.81%	0.00%	0.00%	-0.12%	-0.15%	-0.38%	-0.07%	-0.15%	-0.87%	13.94%	
1084	Roanoke	17.46%	0.00%	0.00%	-0.04%	-0.01%	-0.06%	-0.44%	0.27%	-0.28%	17.18%	
1088	Robert Lee	3.84%	0.00%	0.00%	-0.01%	-0.13%	0.53%	-0.20%	0.10%	0.29%	4.13%	
1089	Robinson	13.50%	0.00%	0.00%	-0.04%	0.01%	0.11%	0.10%	-0.03%	0.15%	13.65%	
21090	Robstown	5.52%	0.00%	0.00%	-0.08%	0.05%	0.04%	-0.02%	-0.72%	-0.73%	4.79%	
11090	Robstown Utility Systems	12.49%	5.24%	0.00%	-0.13%	0.31%	-0.25%	0.09%	0.21%	5.47%	17.96%	
1092	Roby	4.96%	0.00%	0.00%	-0.34%	0.09%	0.01%	0.00%	0.96%	0.72%	5.68%	
1096	Rockdale	8.25%	0.00%	0.00%	-0.04%	-0.04%	0.04%	-0.16%	-0.23%	-0.43%	7.82%	
1098	Rockport	17.35%	0.00%	0.00%	-0.08%	-0.05%	-0.09%	0.24%	-0.66%	-0.64%	16.71%	
1100	Rocksprings	1.60%	0.00%	0.00%	-0.03%	-0.02%	0.33%	-0.38%	0.02%	-0.08%	1.52%	
1102	Rockwall	15.24%	0.00%	0.00%	-0.06%	-0.08%	-0.07%	0.08%	-0.05%	-0.18%	15.06%	
1104	Rogers	9.84%	0.00%	0.00%	-0.10%	-0.03%	-0.46%	0.31%	0.15%	-0.13%	9.71%	
1105	Rollingwood	11.30%	0.00%	0.00%	-0.03%	-0.20%	-0.30%	0.27%	0.67%	0.41%	11.71%	
1106	Roma	10.24%	0.00%	0.00%	-0.10%	0.07%	0.10%	0.05%	-0.82%	-0.70%	9.54%	
1109	Roscoe	1.88%	0.00%	0.00%	-0.04%	-0.04%	0.01%	0.04%	-0.02%	-0.05%	1.83%	
1112	Rosebud	1.83%	0.00%	0.00%	-0.01%	-0.01%	0.01%	0.01%	0.00%	0.00%	1.83%	
1114	Rosenberg	16.29%	0.00%	0.00%	-0.07%	-0.04%	-0.25%	0.04%	-0.10%	-0.42%	15.87%	
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	15.84%	0.00%	0.00%	-0.05%	-0.04%	-0.13%	0.02%	0.30%	0.10%	15.94%	
1119	Rowlett	13.03%	0.00%	0.00%	-0.08%	0.01%	-0.04%	0.07%	0.12%	0.08%	13.11%	
1120	Royse City	15.47%	0.00%	0.00%	-0.01%	-0.14%	-0.30%	0.31%	0.46%	0.32%	15.79%	
1122	Rule	1.59%	0.00%	0.00%	0.00%	-0.60%	0.00%	-0.90%	0.11%	-1.39%	0.20%	
1123	Runaway Bay	2.33%	0.00%	0.00%	-0.02%	0.05%	-0.07%	0.18%	-0.21%	-0.07%	2.26%	
1124	Runge	21.06%	0.00%	0.00%	-0.12%	-1.60%	-6.98%	0.30%	-0.57%	-8.97%	12.09%	
1126	Rusk	6.14%	0.00%	0.00%	-0.04%	0.03%	-0.02%	0.40%	-0.12%	0.25%	6.39%	
1128	Sabinal	2.26%	0.00%	0.00%	-0.07%	-0.09%	0.06%	0.00%	-0.05%	-0.15%	2.11%	
1129	Sachse	14.65%	0.00%	0.00%	-0.04%	-0.04%	-0.09%	-0.11%	0.06%	-0.22%	14.43%	
1131	Saginaw	21.11%	0.00%	0.00%	-0.05%	-0.07%	0.01%	0.07%	0.05%	0.01%	21.12%	
1130	Saint Jo	4.75%	0.00%	0.00%	-0.08%	-0.17%	0.74%	-0.23%	0.03%	0.29%	5.04%	
1133	Salado	6.17%	0.00%	0.00%	-0.02%	0.03%	-0.02%	0.00%	-0.12%	-0.13%	6.04%	
1132	San Angelo	17.33%	0.00%	0.00%	-0.14%	0.03%	0.11%	0.02%	-0.34%	-0.32%	17.01%	
21136	San Antonio	11.98%	0.37%	0.00%	-0.09%	0.07%	0.11%	-0.02%	-0.25%	0.19%	12.17%	
11136	San Antonio Water System	3.74%	0.00%	0.00%	-0.04%	0.00%	-0.04%	-0.01%	-0.01%	-0.10%	3.64%	
1138	San Augustine	8.73%	0.00%	0.00%	-0.11%	0.01%	0.00%	0.12%	0.32%	0.34%	9.07%	
1140	San Benito	4.99%	0.00%	0.00%	-0.04%	0.00%	-0.01%	-0.01%	-0.21%	-0.27%	4.72%	
1144	San Felipe	5.05%	0.00%	0.00%	-0.05%	-0.07%	-0.47%	0.12%	-0.80%	-1.27%	3.78%	
1148	San Juan	4.39%	0.00%	0.00%	-0.02%	-0.08%	0.00%	-0.07%	0.08%	-0.09%	4.30%	
1150	San Marcos	17.99%	0.00%	0.00%	-0.08%	-0.01%	-0.23%	0.34%	0.24%	0.26%	18.25%	
1152	San Saba	8.33%	0.00%	0.00%	-0.06%	-0.04%	-0.07%	0.08%	0.02%	-0.07%	8.26%	
1146	Sanger	8.56%	0.00%	0.00%	-0.03%	-0.01%	-0.06%	-0.07%	0.11%	-0.06%	8.50%	
1153	Sansom Park	6.93%	0.00%	0.00%	-0.02%	-0.06%	0.19%	-0.19%	-0.19%	-0.27%	6.66%	
1155	Santa Fe	12.18%	5.09%	0.00%	-0.06%	0.41%	0.27%	-0.21%	0.14%	5.64%	17.82%	
1158	Savoy	2.46%	0.00%	0.00%	-0.06%	0.19%	0.21%	-0.09%	-0.23%	0.02%	2.48%	

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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes								
1159	Schertz	16.32%	0.00%	0.00%	-0.04%	-0.01%	-0.14%	0.08%	0.01%	-0.10%	16.22%	
1160	Schulenburg	20.30%	0.00%	0.00%	-0.21%	-0.10%	0.21%	-0.08%	-1.50%	-1.68%	18.62%	
1161	Seabrook	16.13%	0.00%	0.00%	-0.14%	-0.08%	-0.37%	0.17%	-0.09%	-0.51%	15.62%	
1162	Seadrift	3.30%	0.00%	0.00%	-0.02%	-0.30%	-0.18%	0.02%	-0.14%	-0.62%	2.68%	
1164	Seagoville	11.10%	0.00%	0.00%	-0.06%	-0.08%	-0.24%	0.10%	0.41%	0.13%	11.23%	
1166	Seagraves	10.09%	0.00%	0.00%	-0.05%	-0.04%	-0.06%	-0.32%	-1.11%	-1.58%	8.51%	
1167	Sealy	13.31%	0.00%	0.00%	-0.05%	-0.19%	-0.47%	0.01%	0.13%	-0.57%	12.74%	
1168	Seguin	22.22%	0.00%	0.00%	-0.06%	-0.15%	-0.76%	0.06%	0.48%	-0.43%	21.79%	
1169	Selma	15.14%	0.00%	0.00%	-0.05%	0.08%	0.20%	0.11%	-0.27%	0.07%	15.21%	
1170	Seminole	12.15%	0.00%	0.00%	-0.12%	-0.03%	-0.03%	0.27%	-0.45%	-0.36%	11.79%	
1171	Seven Points	4.46%	0.00%	0.00%	-0.06%	0.25%	-0.61%	-0.02%	-0.32%	-0.76%	3.70%	
1172	Seymour	7.40%	0.00%	0.00%	-0.13%	0.07%	0.34%	0.03%	-0.26%	0.05%	7.45%	
1165	Shady Shores	10.18%	0.00%	0.00%	0.03%	0.01%	-0.05%	0.00%	0.34%	0.33%	10.51%	
1177	Shallowater	4.57%	0.00%	0.00%	-0.04%	-0.03%	-0.01%	-0.16%	0.43%	0.19%	4.76%	
1174	Shamrock	9.54%	0.00%	0.00%	-0.11%	0.12%	-0.02%	-0.03%	-0.28%	-0.32%	9.22%	
1173	Shavano Park	13.74%	0.00%	0.00%	-0.03%	-0.08%	-0.11%	0.11%	0.35%	0.24%	13.98%	
1175	Shenandoah	18.59%	0.00%	0.00%	-0.04%	0.03%	-0.10%	-0.05%	-0.14%	-0.30%	18.29%	
1181	Shepherd	2.41%	0.00%	0.00%	-0.05%	0.00%	-0.09%	0.76%	-0.28%	0.34%	2.75%	
1176	Sherman	14.49%	0.00%	0.00%	-0.12%	0.00%	-0.01%	0.05%	-0.47%	-0.55%	13.94%	
1178	Shiner	10.81%	0.00%	0.00%	-0.05%	-0.18%	-0.13%	-0.02%	0.39%	0.01%	10.82%	
1179	Shoreacres	4.93%	0.00%	0.00%	-0.07%	0.05%	-0.37%	0.04%	-0.42%	-0.77%	4.16%	
1180	Silsbee	18.65%	0.00%	0.00%	-0.11%	-0.07%	-0.20%	-0.04%	-0.16%	-0.58%	18.07%	
1182	Silverton	5.55%	0.00%	0.00%	-0.15%	0.08%	-0.15%	-0.50%	-0.33%	-1.05%	4.50%	
1183	Simonton	2.55%	0.00%	0.00%	0.02%	-0.06%	-0.07%	0.01%	0.34%	0.24%	2.79%	
1184	Sinton	12.29%	0.00%	0.00%	-0.07%	0.17%	0.82%	-0.09%	-0.66%	0.17%	12.46%	
1185	Skellytown	2.58%	0.00%	0.00%	-0.03%	0.07%	-0.44%	-0.23%	-0.04%	-0.67%	1.91%	
1186	Slaton	6.75%	0.00%	0.00%	-0.10%	0.00%	0.01%	-0.10%	0.36%	0.17%	6.92%	
1188	Smithville	7.06%	0.00%	0.00%	-0.06%	0.00%	0.03%	0.02%	-0.25%	-0.26%	6.80%	
1189	Smyer	10.47%	0.00%	0.00%	-0.20%	-2.74%	-0.08%	-0.04%	-0.21%	-3.27%	7.20%	
1190	Snyder	13.74%	0.00%	0.00%	-0.13%	-0.03%	-0.14%	-0.02%	0.03%	-0.29%	13.45%	
1191	Somerset	2.34%	0.00%	0.00%	-0.01%	-0.05%	0.02%	0.06%	0.02%	0.04%	2.38%	
1192	Somerville	5.01%	0.00%	0.00%	-0.04%	0.05%	-0.03%	-0.22%	-0.13%	-0.37%	4.64%	
1194	Sonora	8.92%	0.00%	0.00%	-0.07%	0.03%	0.01%	0.00%	-1.18%	-1.21%	7.71%	
1196	Sour Lake	5.72%	0.00%	0.00%	-0.03%	0.07%	-0.06%	-0.13%	-0.13%	-0.28%	5.44%	
1198	South Houston	9.67%	0.00%	0.00%	-0.18%	0.00%	-0.03%	-0.05%	-0.54%	-0.80%	8.87%	
1199	South Padre Island	12.55%	0.00%	0.00%	-0.07%	-0.03%	0.03%	0.27%	-0.50%	-0.30%	12.25%	
1197	Southlake	12.39%	0.00%	0.00%	-0.06%	-0.02%	0.03%	-0.04%	0.03%	-0.06%	12.33%	
1200	Southmayd	3.60%	0.00%	0.00%	0.01%	-0.45%	-0.14%	0.14%	0.26%	-0.18%	3.42%	
1202	Southside Place	11.35%	0.00%	0.00%	-0.06%	-0.01%	0.05%	-0.09%	-0.23%	-0.34%	11.01%	
1204	Spearman	10.98%	0.00%	0.00%	-0.09%	0.01%	0.02%	0.28%	-0.46%	-0.24%	10.74%	
1201	Splendora	5.45%	0.00%	0.00%	0.01%	-0.10%	-0.46%	0.12%	-0.06%	-0.49%	4.96%	
1205	Spring Valley Village	6.67%	0.00%	0.00%	-0.07%	-0.13%	-0.09%	-0.16%	0.11%	-0.34%	6.33%	
1203	Springtown	9.49%	0.00%	0.00%	-0.05%	-0.09%	0.07%	0.13%	0.17%	0.23%	9.72%	
1206	Spur	5.21%	0.00%	0.00%	-0.08%	-0.02%	0.02%	0.20%	-0.53%	-0.41%	4.80%	
1207	Stafford	14.05%	0.00%	0.00%	-0.06%	0.00%	-0.07%	-0.09%	-0.21%	-0.43%	13.62%	
1208	Stamford	4.73%	0.00%	0.00%	-0.08%	-0.01%	-0.04%	0.06%	0.13%	0.06%	4.79%	
1210	Stanton	5.69%	0.00%	0.00%	-0.05%	-0.11%	0.05%	0.03%	0.01%	-0.07%	5.62%	
1211	Star Harbor	10.63%	0.00%	0.00%	-0.31%	-0.08%	0.04%	-0.03%	2.62%	2.24%	12.87%	
1212	Stephenville	7.05%	0.00%	0.00%	-0.10%	0.03%	-0.01%	-0.06%	-0.08%	-0.22%	6.83%	
1213	Sterling City	1.18%	0.00%	0.00%	-0.04%	0.00%	0.02%	0.02%	-0.05%	-0.05%	1.13%	
1214	Stinnett	0.10%	0.00%	0.00%	-0.04%	0.01%	0.14%	0.03%	-0.01%	0.13%	0.23%	
1216	Stockdale	4.75%	0.00%	0.00%	0.02%	-0.42%	-0.05%	0.01%	0.31%	-0.13%	4.62%	
1218	Stratford	4.88%	4.13%	0.00%	-0.03%	0.03%	0.00%	0.12%	0.44%	4.69%	9.57%	
1224	Sudan	1.04%	0.41%	0.00%	-0.04%	-0.03%	0.00%	0.01%	-0.22%	0.13%	1.17%	

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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes		Prior Bases						
1225	Sugar Land	14.43%	0.00%	0.00%	-0.07%	-0.04%	-0.10%	-0.04%	0.17%	-0.08%	14.35%	
1226	Sulphur Springs	7.46%	0.36%	0.00%	-0.10%	0.00%	0.06%	-0.05%	-0.19%	0.08%	7.54%	
1228	Sundown	12.15%	0.00%	0.00%	-0.14%	0.03%	-0.14%	0.00%	0.33%	0.08%	12.23%	
1229	Sunnyvale	11.97%	0.00%	0.00%	-0.02%	-0.27%	-0.38%	-0.02%	0.30%	-0.39%	11.58%	
1230	Sunray	15.10%	0.00%	0.00%	-0.09%	0.02%	-0.37%	-0.12%	-0.15%	-0.71%	14.39%	
1227	Sunrise Beach Village	1.40%	0.00%	0.00%	-0.01%	-0.01%	0.00%	0.00%	0.08%	0.06%	1.46%	
1231	Sunset Valley	13.97%	-3.04%	0.00%	-0.04%	-0.05%	0.18%	0.73%	-0.21%	-2.43%	11.54%	
1233	Surfside Beach	1.41%	0.00%	0.00%	-0.01%	-0.02%	0.07%	0.03%	0.07%	0.14%	1.55%	
1232	Sweeny	15.83%	0.00%	0.00%	-0.10%	-0.10%	-0.18%	-0.21%	0.00%	-0.59%	15.24%	
1234	Sweetwater	16.35%	0.00%	0.00%	-0.13%	-0.08%	0.15%	-0.09%	-0.02%	-0.17%	16.18%	
1264	TMRS	15.50%	0.00%	0.00%	-0.05%	-0.16%	-0.20%	-0.03%	0.13%	-0.31%	15.19%	
1236	Taft	16.52%	0.00%	0.00%	-0.05%	-0.09%	-0.17%	-1.07%	0.05%	-1.33%	15.19%	
1238	Tahoka	0.58%	0.00%	0.00%	-0.09%	0.04%	-0.01%	0.29%	-0.26%	-0.03%	0.55%	
1240	Talty	14.70%	0.00%	0.00%	0.07%	-1.14%	-2.57%	-0.06%	0.44%	-3.26%	11.44%	
1241	Tatum	1.81%	0.00%	0.00%	-0.03%	0.00%	0.01%	-0.08%	0.04%	-0.06%	1.75%	
1246	Taylor	13.18%	0.00%	0.00%	-0.05%	0.00%	-0.11%	-0.04%	-0.29%	-0.49%	12.69%	
1248	Teague	8.26%	0.00%	0.00%	-0.06%	-0.37%	0.04%	-0.04%	0.10%	-0.33%	7.93%	
1252	Temple	17.05%	0.00%	0.00%	-0.11%	-0.10%	-0.29%	0.28%	-0.10%	-0.32%	16.73%	
1254	Tenaha	0.36%	0.00%	0.00%	-0.03%	0.01%	-0.12%	-0.12%	-0.10%	-0.36%	0.00%	
1256	Terrell	16.26%	0.00%	0.00%	-0.09%	-0.05%	-0.17%	0.00%	0.30%	-0.01%	16.25%	
1258	Terrell Hills	15.66%	0.00%	0.00%	-0.08%	0.00%	-0.01%	-0.10%	0.03%	-0.16%	15.50%	
31263	Tex Municipal League IEBP	5.71%	2.30%	0.00%	-0.06%	0.16%	0.25%	0.03%	0.12%	2.80%	8.51%	
21263	Tex Municipal League IRP	10.55%	0.00%	0.00%	-0.11%	0.04%	0.00%	-0.13%	0.09%	-0.11%	10.44%	
21260	Texarkana	15.31%	0.00%	0.00%	-0.13%	0.00%	0.06%	0.09%	-0.39%	-0.37%	14.94%	
11260	Texarkana Police Dept	14.76%	0.00%	0.00%	-0.14%	0.07%	0.12%	-0.06%	0.00%	-0.01%	14.75%	
31260	Texarkana Water Utilities	16.14%	0.00%	0.00%	-0.12%	-0.02%	-0.03%	0.11%	-0.05%	-0.11%	16.03%	
1262	Texas City	16.60%	0.00%	0.00%	-0.12%	0.00%	-0.07%	0.17%	0.21%	0.19%	16.79%	
11263	Texas Municipal League	14.27%	0.00%	0.00%	-0.16%	-0.01%	0.14%	-0.08%	-0.83%	-0.94%	13.33%	
1267	The Colony	13.49%	0.00%	0.00%	-0.06%	0.00%	-0.14%	-0.05%	0.23%	-0.02%	13.47%	
1269	Thompsons	4.25%	0.00%	0.00%	-0.04%	0.01%	0.02%	0.00%	-0.12%	-0.13%	4.12%	
1268	Thorndale	7.28%	0.00%	0.00%	-0.06%	-0.25%	-0.27%	-0.02%	0.64%	0.04%	7.32%	
1272	Thrall	6.69%	0.00%	0.00%	0.03%	-0.51%	-0.30%	-0.17%	0.24%	-0.71%	5.98%	
1274	Three Rivers	23.86%	0.00%	0.00%	-0.04%	0.21%	0.82%	-0.09%	-1.50%	-0.60%	23.26%	
1276	Throckmorton	6.35%	0.00%	0.00%	-0.12%	0.10%	0.01%	0.28%	-1.03%	-0.76%	5.59%	
1277	Tiki Island	3.38%	0.00%	0.00%	-0.02%	-0.05%	-0.01%	0.22%	0.00%	0.14%	3.52%	
1278	Timpson	1.67%	0.00%	0.00%	-0.08%	0.00%	-0.15%	0.00%	0.20%	-0.03%	1.64%	
1280	Tioga	1.73%	0.00%	0.00%	-0.02%	0.01%	0.02%	0.14%	0.01%	0.16%	1.89%	
1283	Tolar	6.72%	0.00%	0.00%	-0.03%	-0.05%	-0.07%	0.49%	0.00%	0.34%	7.06%	
1286	Tom Bean	2.85%	0.00%	0.00%	-0.01%	0.02%	-0.08%	0.03%	-0.07%	-0.11%	2.74%	
1284	Tomball	13.31%	0.00%	0.00%	-0.05%	0.00%	-0.04%	-0.25%	0.01%	-0.33%	12.98%	
1290	Trent	6.29%	0.00%	0.00%	-0.17%	-0.53%	0.00%	0.01%	-0.66%	-1.35%	4.94%	
1292	Trenton	4.04%	0.00%	0.00%	-0.04%	-0.02%	0.08%	-0.04%	0.16%	0.14%	4.18%	
1293	Trinidad	2.05%	0.00%	0.00%	-0.04%	-0.11%	0.03%	-0.21%	-0.20%	-0.53%	1.52%	
1294	Trinity	6.84%	0.00%	0.00%	-0.04%	0.04%	-0.02%	-0.10%	-0.49%	-0.61%	6.23%	
1295	Trophy Club	13.45%	0.00%	0.00%	-0.05%	-0.01%	-0.04%	-0.63%	-0.14%	-0.87%	12.58%	
1296	Troup	5.14%	0.00%	0.00%	-0.03%	-0.02%	0.02%	-0.03%	0.18%	0.12%	5.26%	
1297	Troy	10.21%	0.00%	0.00%	0.00%	-0.19%	-0.03%	-0.10%	0.30%	-0.02%	10.19%	
1298	Tulia	9.47%	0.00%	0.00%	-0.19%	-0.14%	-0.01%	-0.35%	-0.46%	-1.15%	8.32%	
1299	Turkey	5.12%	0.00%	0.00%	-0.06%	0.01%	0.06%	0.00%	0.13%	0.14%	5.26%	
1301	Tye	5.57%	0.00%	0.00%	-0.02%	-0.09%	-0.05%	0.04%	0.06%	-0.06%	5.51%	
1304	Tyler	21.05%	0.00%	0.00%	-0.14%	-0.08%	-0.20%	0.02%	-0.01%	-0.41%	20.64%	
1305	Universal City	18.38%	0.00%	0.00%	-0.06%	-0.06%	-0.13%	0.11%	0.40%	0.26%	18.64%	
1306	University Park	8.80%	0.00%	0.00%	-0.13%	-0.10%	0.02%	0.12%	-0.06%	-0.15%	8.65%	
1308	Uvalde	5.75%	0.00%	0.00%	-0.04%	-0.03%	-0.02%	-0.03%	-0.15%	-0.27%	5.48%	

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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Changes								
1312	Valley Mills	2.14%	0.00%	0.00%	0.01%	0.00%	-0.02%	-0.06%	-0.04%	-0.11%	2.03%	
1313	Valley View	1.91%	0.00%	0.00%	0.00%	0.01%	-0.01%	-0.11%	-0.05%	-0.16%	1.75%	
1314	Van	7.28%	0.00%	0.00%	-0.05%	0.02%	0.04%	-0.31%	-0.31%	-0.61%	6.67%	
1316	Van Alstyne	9.96%	0.00%	0.00%	-0.03%	-0.05%	-0.16%	0.20%	0.22%	0.18%	10.14%	
1318	Van Horn	7.96%	0.00%	0.00%	-0.07%	-0.09%	0.07%	0.06%	0.07%	0.04%	8.00%	
1320	Vega	24.36%	0.00%	0.00%	-0.25%	0.39%	0.54%	-0.43%	-4.31%	-4.06%	20.30%	
1324	Venus	10.62%	0.00%	0.00%	-0.01%	-0.07%	0.00%	0.24%	-0.09%	0.07%	10.69%	
1326	Vernon	12.20%	0.00%	0.00%	-0.13%	0.01%	0.03%	-0.03%	-0.50%	-0.62%	11.58%	
1328	Victoria	16.32%	0.00%	0.00%	-0.13%	0.00%	-0.13%	0.03%	-0.38%	-0.61%	15.71%	
1329	Vidor	14.19%	0.00%	0.00%	-0.13%	-0.10%	-0.08%	0.86%	0.00%	0.55%	14.74%	
1500	Village Fire Department	4.85%	2.22%	0.00%	-0.30%	0.06%	-0.01%	-0.04%	-0.23%	1.70%	6.55%	
1327	Village of the Hills	7.99%	0.00%	0.00%	0.04%	-0.13%	-0.11%	0.00%	0.70%	0.50%	8.49%	
1330	Waco	14.69%	0.00%	0.00%	-0.17%	-0.10%	-0.15%	0.02%	0.05%	-0.35%	14.34%	
1332	Waelder	2.55%	0.00%	0.00%	-0.03%	-0.03%	-0.02%	-0.02%	0.20%	0.10%	2.65%	
1334	Wake Village	13.60%	0.00%	0.00%	-0.07%	-0.04%	-0.18%	0.15%	0.54%	0.40%	14.00%	
1336	Waller	4.02%	0.00%	0.00%	-0.04%	-0.05%	0.06%	0.21%	-0.09%	0.09%	4.11%	
1337	Wallis	2.27%	0.00%	0.00%	-0.04%	-0.27%	0.00%	0.08%	0.29%	0.06%	2.33%	
1338	Walnut Springs	3.87%	0.00%	0.00%	-0.07%	-0.03%	-0.02%	0.01%	0.21%	0.10%	3.97%	
1340	Waskom	6.60%	0.00%	0.00%	-0.07%	0.02%	0.16%	-0.13%	0.04%	0.02%	6.62%	
1341	Watauga	14.87%	0.00%	0.00%	-0.10%	0.02%	-0.05%	0.17%	-0.09%	-0.05%	14.82%	
1342	Waxahachie	15.59%	0.00%	0.00%	-0.06%	-0.09%	-0.47%	0.11%	0.52%	0.01%	15.60%	
1344	Weatherford	13.78%	0.00%	0.00%	-0.10%	0.04%	-0.04%	-0.04%	-0.12%	-0.26%	13.52%	
1345	Webster	17.39%	0.00%	0.00%	-0.08%	-0.04%	0.08%	0.30%	-0.13%	0.13%	17.52%	
1346	Weimar	14.30%	0.00%	0.00%	-0.20%	-0.44%	-0.15%	-0.23%	0.45%	-0.57%	13.73%	
1350	Wellington	3.23%	0.00%	0.00%	-0.17%	-0.10%	0.22%	0.02%	0.09%	0.06%	3.29%	
1352	Wells	3.22%	0.00%	0.00%	-0.02%	-0.07%	-0.10%	0.17%	-0.05%	-0.07%	3.15%	
1354	Weslaco	8.10%	0.20%	0.00%	-0.08%	-0.06%	-0.10%	-0.07%	-0.13%	-0.24%	7.86%	
1356	West	6.17%	0.00%	0.00%	-0.06%	-0.04%	0.03%	-0.02%	-0.32%	-0.41%	5.76%	
1358	West Columbia	4.21%	0.00%	0.00%	-0.07%	0.06%	-0.01%	-0.23%	0.00%	-0.25%	3.96%	
1359	West Lake Hills	16.40%	0.00%	0.00%	-0.09%	-0.07%	-0.30%	0.16%	-0.05%	-0.35%	16.05%	
1361	West Orange	18.43%	0.00%	0.00%	-0.12%	-0.27%	0.04%	0.20%	0.52%	0.37%	18.80%	
1365	West Tawakoni	8.29%	0.00%	0.00%	-0.06%	0.05%	0.55%	0.04%	-1.25%	-0.67%	7.62%	
1364	West Univ. Place	12.83%	0.00%	0.00%	-0.09%	0.00%	-0.01%	0.24%	-0.06%	0.08%	12.91%	
1363	Westlake	11.77%	0.00%	0.00%	-0.01%	-0.05%	-0.17%	-0.02%	0.07%	-0.18%	11.59%	
1362	Westover Hills	6.17%	0.00%	0.00%	-0.02%	-0.03%	0.00%	-0.05%	-0.03%	-0.13%	6.04%	
1366	Westworth Village	12.08%	0.00%	0.00%	-0.04%	0.04%	0.02%	-0.49%	-1.11%	-1.58%	10.50%	
1368	Wharton	5.38%	0.00%	0.00%	-0.06%	-0.04%	-0.01%	0.00%	-0.21%	-0.32%	5.06%	
1370	Wheeler	9.05%	0.00%	0.00%	-0.16%	0.09%	-0.02%	0.01%	0.26%	0.18%	9.23%	
1372	White Deer	10.46%	0.00%	0.00%	-0.03%	-0.06%	-0.95%	0.01%	-0.01%	-1.04%	9.42%	
1377	White Oak	14.09%	0.00%	0.00%	-0.10%	-0.05%	-0.02%	-0.61%	-0.52%	-1.30%	12.79%	
1378	White Settlement	17.07%	0.00%	0.00%	-0.08%	0.02%	0.06%	-0.11%	0.11%	0.00%	17.07%	
1374	Whiteface	3.24%	0.00%	0.00%	-0.11%	0.11%	0.00%	-0.01%	-0.39%	-0.40%	2.84%	
1375	Whitehouse	8.49%	0.00%	0.00%	-0.04%	0.01%	-0.01%	0.19%	-0.33%	-0.18%	8.31%	
1376	Whitesboro	6.32%	0.00%	0.00%	-0.10%	-0.06%	-0.02%	0.00%	-0.28%	-0.46%	5.86%	
1380	Whitewright	2.86%	0.00%	0.00%	-0.04%	-0.03%	0.01%	-0.13%	0.20%	0.01%	2.87%	
1382	Whitney	3.82%	0.00%	0.00%	-0.02%	0.01%	0.00%	0.13%	-0.33%	-0.21%	3.61%	
1384	Wichita Falls	16.57%	0.00%	0.00%	-0.15%	0.07%	0.22%	-0.02%	-0.27%	-0.15%	16.42%	
1386	Willis	9.74%	0.00%	0.00%	-0.04%	0.01%	-0.01%	-0.32%	0.09%	-0.27%	9.47%	
1387	Willow Park	7.09%	0.00%	0.00%	0.00%	-0.09%	-0.05%	0.00%	0.04%	-0.10%	6.99%	
1388	Wills Point	11.46%	0.00%	0.00%	-0.10%	0.01%	0.30%	-0.11%	-0.74%	-0.64%	10.82%	
1390	Wilmer	4.49%	0.92%	0.00%	-0.02%	-0.03%	0.04%	0.29%	-0.27%	0.93%	5.42%	
1392	Wimberley	6.14%	0.00%	0.00%	0.00%	0.03%	0.13%	-0.31%	-0.33%	-0.48%	5.66%	
1393	Windcrest	6.97%	0.00%	0.00%	-0.04%	-0.05%	-0.03%	0.07%	0.08%	0.03%	7.00%	
1395	Winfield	2.67%	0.00%	0.00%	-0.01%	-0.05%	-0.01%	0.00%	-0.02%	-0.09%	2.58%	

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

CITY NUMBER	CITY NAME	2021 Rates	Assumption & Method Changes		Return on AVA	Contributions & Fully Amortized Prior Bases		Payroll Growth	Normal Cost	Liability Growth	Total Change	2022 Rates
			Benefit Changes	Method Changes								
1396	Wink	6.60%	0.00%	0.00%	-0.01%	-0.17%	0.06%	-0.23%	-0.23%	-0.58%	6.02%	
1398	Winnsboro	8.67%	0.00%	0.00%	-0.06%	-0.07%	-0.08%	0.07%	0.27%	0.13%	8.80%	
1399	Winona	5.68%	0.00%	0.00%	-0.10%	0.31%	-1.03%	0.01%	-0.11%	-0.92%	4.76%	
1400	Winters	11.08%	0.00%	0.00%	-0.14%	0.00%	-0.13%	-0.13%	-0.03%	-0.43%	10.65%	
1403	Wolfforth	11.03%	0.00%	0.00%	-0.03%	-0.12%	-0.35%	0.17%	0.23%	-0.10%	10.93%	
1409	Woodcreek	7.26%	2.93%	0.00%	-0.01%	0.08%	-0.04%	-0.01%	0.20%	3.15%	10.41%	
1404	Woodsboro	1.66%	0.00%	0.00%	-0.03%	0.06%	0.12%	0.27%	-0.14%	0.28%	1.94%	
1406	Woodville	16.92%	0.00%	0.00%	-0.13%	-0.08%	-0.10%	0.08%	-0.13%	-0.36%	16.56%	
1407	Woodway	17.27%	0.00%	0.00%	-0.08%	-0.04%	-0.08%	-0.04%	0.64%	0.40%	17.67%	
1408	Wortham	6.05%	0.00%	0.00%	-0.04%	0.00%	0.00%	0.00%	0.20%	0.16%	6.21%	
1410	Wylie	15.40%	0.00%	0.00%	-0.04%	0.03%	-0.06%	-0.01%	-0.05%	-0.13%	15.27%	
1412	Yoakum	16.10%	0.00%	0.00%	-0.11%	-0.02%	-0.37%	0.05%	0.35%	-0.10%	16.00%	
1414	Yorktown	1.18%	0.00%	0.00%	0.00%	0.02%	0.00%	0.01%	-1.21%	-1.18%	0.00%	
1415	Zavalla	1.86%	0.00%	0.00%	-0.06%	0.14%	0.29%	-0.25%	0.01%	0.13%	1.99%	



## **SECTION 4**

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### **COMPARISON OF EXPECTED CITY CONTRIBUTION DOLLAR AMOUNTS FOR 2021 AND 2022**

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
4	Abernathy	\$726,059	3.70%	\$26,864	\$746,026	3.65%	\$27,230
6	Abilene	\$58,317,801	10.97%	\$6,397,463	\$59,921,541	10.67%	\$6,393,628
7	Addison	\$22,694,627	11.38%	\$2,582,649	\$23,318,729	11.59%	\$2,702,641
8	Agua Dulce	\$94,649	7.64%	\$7,231	\$97,252	8.88%	\$8,636
10	Alamo	\$5,432,388	6.20%	\$336,808	\$5,581,779	6.02%	\$336,023
12	Alamo Heights	\$5,845,187	16.47%	\$962,702	\$6,000,084	16.57%	\$994,214
14	Alba	\$239,938	13.76%	\$33,015	\$246,536	13.75%	\$33,899
16	Albany	\$646,354	5.50%	\$35,549	\$664,129	4.52%	\$30,019
17	Aledo	\$718,150	13.79%	\$99,033	\$737,899	14.16%	\$104,486
18	Alice	\$9,939,589	4.58%	\$455,233	\$10,173,169	4.21%	\$428,290
19	Allen	\$55,622,885	14.38%	\$7,998,571	\$57,152,514	14.16%	\$8,092,796
20	Alpine	\$3,632,765	1.64%	\$59,577	\$3,732,666	2.13%	\$79,506
22	Alto	\$471,630	11.78%	\$55,558	\$484,600	10.41%	\$50,447
23	Alton	\$3,747,550	11.10%	\$415,978	\$3,850,608	11.11%	\$427,803
24	Alvarado	\$3,209,798	5.34%	\$171,403	\$3,298,067	5.36%	\$176,776
26	Alvin	\$11,991,297	17.33%	\$2,078,092	\$12,321,058	16.93%	\$2,085,955
28	Alvord	\$328,857	5.62%	\$18,482	\$336,585	5.47%	\$18,411
30	Amarillo	\$93,150,296	12.32%	\$11,476,116	\$95,711,929	11.85%	\$11,341,864
32	Amherst	\$196,268	0.00%	\$0	\$199,703	0.22%	\$439
34	Anahuac	\$487,820	8.59%	\$41,904	\$496,357	6.91%	\$34,298
36	Andrews	\$5,219,923	16.18%	\$844,584	\$5,363,471	15.61%	\$837,238
38	Angleton	\$7,453,308	12.05%	\$898,124	\$7,658,274	11.66%	\$892,955
40	Anna	\$6,410,981	14.09%	\$903,307	\$6,587,283	13.57%	\$893,894
41	Annetta	\$101,992	9.45%	\$9,638	\$104,797	10.33%	\$10,826
44	Anson	\$941,744	2.07%	\$19,494	\$967,642	1.48%	\$14,321
45	Anthony	\$1,391,266	2.88%	\$40,068	\$1,429,526	2.76%	\$39,455
48	Aransas Pass	\$5,526,108	9.87%	\$545,427	\$5,678,076	9.52%	\$540,553
50	Archer City	\$826,139	4.07%	\$33,624	\$848,858	4.02%	\$34,124
49	Arcola	\$765,506	3.93%	\$30,084	\$786,557	3.55%	\$27,923
51	Argyle	\$2,183,813	12.88%	\$281,275	\$2,243,868	11.78%	\$264,328
52	Arlington	\$194,435,919	16.68%	\$32,431,911	\$199,782,907	10.17%	\$20,317,922
54	Arp	\$348,842	3.74%	\$13,047	\$358,435	3.95%	\$14,158
60	Aspermont	\$327,021	0.00%	\$0	\$334,379	0.00%	\$0
62	Athens	\$7,331,976	16.45%	\$1,206,110	\$7,533,605	16.28%	\$1,226,471
64	Atlanta	\$1,779,155	6.97%	\$124,007	\$1,820,965	6.55%	\$119,273
66	Aubrey	\$4,108,851	5.64%	\$231,739	\$4,221,844	5.63%	\$237,690
74	Avinger	\$58,816	2.13%	\$1,253	\$60,433	2.48%	\$1,499
75	Azle	\$8,251,924	12.18%	\$1,005,084	\$8,478,852	12.46%	\$1,056,465
77	Baird	\$507,435	1.13%	\$5,734	\$521,389	0.99%	\$5,162
78	Balch Springs	\$11,270,349	13.42%	\$1,512,481	\$11,580,284	13.48%	\$1,561,022
79	Balcones Heights	\$3,070,261	7.83%	\$240,401	\$3,154,693	7.93%	\$250,167
80	Ballinger	\$1,273,243	9.27%	\$118,030	\$1,308,257	10.09%	\$132,003
82	Balmorhea	\$36,006	0.00%	\$0	\$36,636	0.00%	\$0
83	Bandera	\$954,206	11.31%	\$107,921	\$980,447	11.17%	\$109,516
84	Bangs	\$505,330	11.96%	\$60,437	\$519,227	9.92%	\$51,507

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
90	Bartlett	\$646,643	6.98%	\$45,136	\$661,192	6.75%	\$44,630
91	Bartonville	\$516,891	15.97%	\$82,547	\$531,106	14.79%	\$78,551
92	Bastrop	\$7,909,757	11.47%	\$907,249	\$8,127,275	11.41%	\$927,322
94	Bay City	\$8,064,517	9.76%	\$787,097	\$8,278,227	9.33%	\$772,359
93	Bayou Vista	\$410,166	2.66%	\$10,910	\$421,446	2.51%	\$10,578
96	Baytown	\$67,755,011	17.67%	\$11,972,310	\$69,618,274	17.29%	\$12,037,000
98	Beaumont	\$66,738,642	19.84%	\$13,240,947	\$68,507,216	19.19%	\$13,146,535
100	Bedford	\$24,418,993	15.52%	\$3,789,828	\$25,090,515	16.50%	\$4,139,935
101	Bee Cave	\$3,550,243	9.14%	\$324,492	\$3,647,875	9.21%	\$335,969
102	Beeville	\$4,567,760	0.93%	\$42,480	\$4,665,967	1.29%	\$60,191
106	Bellaire	\$12,019,597	20.14%	\$2,420,747	\$12,350,136	19.78%	\$2,442,857
109	Bellmead	\$3,872,568	7.93%	\$307,095	\$3,979,064	8.47%	\$337,027
110	Bells	\$418,168	3.38%	\$14,134	\$429,668	3.52%	\$15,124
112	Bellville	\$2,667,167	16.62%	\$443,283	\$2,735,180	16.40%	\$448,570
114	Belton	\$9,240,116	10.16%	\$938,796	\$9,494,219	10.33%	\$980,753
118	Benbrook	\$10,543,786	16.58%	\$1,748,160	\$10,833,740	15.92%	\$1,724,731
121	Berryville	\$148,906	3.77%	\$5,614	\$151,512	2.95%	\$4,470
123	Bertram	\$676,578	4.28%	\$28,958	\$695,184	4.31%	\$29,962
124	Big Lake	\$1,424,253	18.26%	\$260,069	\$1,463,420	17.82%	\$260,781
126	Big Sandy	\$467,373	3.03%	\$14,161	\$480,226	2.86%	\$13,734
128	Big Spring	\$9,860,230	17.94%	\$1,768,925	\$10,062,365	17.38%	\$1,748,839
132	Bishop	\$855,990	3.02%	\$25,851	\$879,530	2.90%	\$25,506
134	Blanco	\$1,088,531	6.27%	\$68,251	\$1,118,466	5.92%	\$66,213
140	Blooming Grove	\$188,479	11.77%	\$22,184	\$193,662	11.17%	\$21,632
142	Blossom	\$204,495	4.70%	\$9,611	\$210,119	4.81%	\$10,107
143	Blue Mound	\$1,172,119	4.48%	\$52,511	\$1,204,352	4.81%	\$57,929
144	Blue Ridge	\$266,691	2.01%	\$5,360	\$274,025	2.07%	\$5,672
148	Boerne	\$17,721,004	18.75%	\$3,322,688	\$18,208,332	18.76%	\$3,415,883
150	Bogata	\$345,013	0.62%	\$2,139	\$354,501	0.33%	\$1,170
152	Bonham	\$5,452,291	9.31%	\$507,608	\$5,602,229	9.63%	\$539,495
154	Booker	\$524,373	5.75%	\$30,151	\$536,696	5.93%	\$31,826
156	Borger	\$9,386,726	13.15%	\$1,234,354	\$9,644,861	12.83%	\$1,237,436
158	Bovina	\$376,077	0.71%	\$2,670	\$386,419	0.14%	\$541
160	Bowie	\$4,002,376	9.48%	\$379,425	\$4,080,422	9.37%	\$382,336
162	Boyd	\$880,490	3.70%	\$32,578	\$904,703	3.83%	\$34,650
166	Brady	\$4,625,846	9.63%	\$445,469	\$4,753,057	9.24%	\$439,182
170	Brazoria	\$1,257,384	6.00%	\$75,443	\$1,291,962	5.82%	\$75,192
172	Breckenridge	\$2,237,714	6.96%	\$155,745	\$2,285,825	6.26%	\$143,093
174	Bremond	\$259,069	14.55%	\$37,695	\$266,193	15.81%	\$42,085
176	Brenham	\$11,906,366	10.38%	\$1,235,881	\$12,233,791	9.98%	\$1,220,932
177	Bridge City	\$3,855,117	14.76%	\$569,015	\$3,961,133	13.99%	\$554,163
178	Bridgeport	\$3,715,213	13.64%	\$506,755	\$3,780,229	13.21%	\$499,368
180	Bronte	\$139,706	11.65%	\$16,276	\$142,151	10.89%	\$15,480
182	Brookshire	\$1,972,369	8.85%	\$174,555	\$2,026,609	9.15%	\$185,435
184	Brownfield	\$3,989,679	4.04%	\$161,183	\$4,099,395	3.49%	\$143,069

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
186	Brownsboro	\$307,757	10.82%	\$33,299	\$316,220	10.92%	\$34,531
10188	Brownsville	\$63,938,139	17.00%	\$10,869,484	\$65,696,438	16.90%	\$11,102,698
20188	Brownsville PUB	\$32,060,014	17.57%	\$5,632,944	\$32,941,664	17.19%	\$5,662,672
10190	Brownwood	\$10,899,769	13.11%	\$1,428,960	\$11,199,513	13.11%	\$1,468,256
30190	Brownwood Health Dept.	\$487,358	11.53%	\$56,192	\$500,760	12.09%	\$60,542
20190	Brownwood Public Library	\$177,805	4.65%	\$8,268	\$182,695	4.05%	\$7,399
195	Bruceville-Eddy	\$563,507	5.10%	\$28,739	\$579,003	5.09%	\$29,471
192	Bryan	\$65,402,688	15.38%	\$10,058,933	\$67,201,262	9.18%	\$6,169,076
193	Bryson	\$95,701	0.06%	\$57	\$98,333	0.00%	\$0
194	Buda	\$7,164,520	13.76%	\$985,838	\$7,361,544	14.30%	\$1,052,701
196	Buffalo	\$727,124	4.23%	\$30,757	\$740,576	4.11%	\$30,438
198	Bullard	\$1,317,307	10.52%	\$138,581	\$1,353,533	10.52%	\$142,392
203	Bulverde	\$1,783,980	9.26%	\$165,197	\$1,833,039	9.19%	\$168,456
199	Bunker Hill Village	\$686,701	10.72%	\$73,614	\$704,212	10.60%	\$74,646
200	Burkburnett	\$3,380,750	10.89%	\$368,164	\$3,473,721	10.63%	\$369,257
202	Burleson	\$26,414,980	15.99%	\$4,223,755	\$27,141,392	16.50%	\$4,478,330
204	Burnet	\$6,977,459	12.84%	\$895,906	\$7,169,339	13.22%	\$947,787
205	Byers	\$86,624	6.04%	\$5,232	\$89,006	6.61%	\$5,883
207	Cactus	\$2,328,460	5.03%	\$117,122	\$2,392,493	5.26%	\$125,845
208	Caddo Mills	\$846,941	5.54%	\$46,921	\$870,232	5.90%	\$51,344
210	Caldwell	\$2,400,392	7.22%	\$173,308	\$2,464,002	6.94%	\$171,002
212	Calvert	\$504,968	1.40%	\$7,070	\$518,855	1.23%	\$6,382
214	Cameron	\$1,979,991	10.26%	\$203,147	\$2,030,481	8.69%	\$176,449
216	Campbell	\$65,083	41.09%	\$26,743	\$66,873	40.90%	\$27,351
220	Canadian	\$1,082,112	17.80%	\$192,616	\$1,111,870	18.06%	\$200,804
221	Caney City	\$127,138	2.62%	\$3,331	\$130,634	1.71%	\$2,234
222	Canton	\$3,105,739	11.78%	\$365,856	\$3,191,147	10.85%	\$346,239
224	Canyon	\$6,188,491	13.85%	\$857,106	\$6,358,675	13.51%	\$859,057
227	Carmine	\$67,767	0.21%	\$142	\$69,021	0.00%	\$0
228	Carrizo Springs	\$1,744,220	5.03%	\$87,734	\$1,792,186	5.17%	\$92,656
230	Carrollton	\$64,112,408	11.84%	\$7,590,909	\$65,811,387	10.83%	\$7,127,373
232	Carthage	\$4,331,395	18.54%	\$803,041	\$4,433,183	18.53%	\$821,469
231	Castle Hills	\$3,777,618	12.83%	\$484,668	\$3,881,502	12.49%	\$484,800
234	Castroville	\$2,195,845	8.54%	\$187,525	\$2,256,231	8.59%	\$193,810
238	Cedar Hill	\$24,939,138	14.09%	\$3,513,925	\$25,624,964	14.28%	\$3,659,245
239	Cedar Park	\$35,235,275	14.49%	\$5,105,591	\$36,204,245	14.58%	\$5,278,579
240	Celeste	\$171,671	5.30%	\$9,099	\$176,392	3.70%	\$6,527
242	Celina	\$11,593,306	6.27%	\$726,900	\$11,912,122	6.23%	\$742,125
244	Center	\$3,414,911	12.07%	\$412,180	\$3,508,821	11.44%	\$401,409
246	Centerville	\$237,187	20.27%	\$48,078	\$243,710	18.65%	\$45,452
247	Chandler	\$1,222,791	6.13%	\$74,957	\$1,256,418	6.05%	\$76,013
248	Charlotte	\$353,536	2.89%	\$10,217	\$363,258	2.85%	\$10,353
249	Chester	\$39,990	0.20%	\$80	\$40,690	0.00%	\$0
245	Chico	\$206,325	3.24%	\$6,685	\$210,761	4.16%	\$8,768
250	Childress	\$2,023,666	16.02%	\$324,191	\$2,079,317	16.35%	\$339,968

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
251	Chillicothe	\$242,091	7.31%	\$17,697	\$248,749	6.33%	\$15,746
253	Chireno	\$296,750	22.13%	\$65,671	\$304,911	22.37%	\$68,209
254	Christine	\$37,369	0.00%	\$0	\$38,397	0.00%	\$0
255	Cibolo	\$8,209,372	12.50%	\$1,026,172	\$8,435,130	11.92%	\$1,005,467
256	Cisco	\$1,529,337	6.34%	\$96,960	\$1,571,394	6.43%	\$101,041
258	Clarendon	\$557,444	1.42%	\$7,916	\$572,774	1.32%	\$7,561
259	Clarksville	\$824,111	2.30%	\$18,955	\$839,357	2.80%	\$23,502
260	Clarksville City	\$202,253	3.89%	\$7,868	\$207,815	3.73%	\$7,751
263	Clear Lake Shores	\$1,093,690	10.77%	\$117,790	\$1,123,766	10.66%	\$119,793
264	Cleburne	\$16,096,127	16.07%	\$2,586,648	\$16,506,578	15.95%	\$2,632,799
266	Cleveland	\$4,282,282	10.50%	\$449,640	\$4,391,480	10.24%	\$449,688
268	Clifton	\$1,235,453	1.77%	\$21,868	\$1,269,428	1.68%	\$21,326
271	Clute	\$5,509,033	10.52%	\$579,550	\$5,638,495	9.93%	\$559,903
272	Clyde	\$1,381,562	13.06%	\$180,432	\$1,419,555	13.47%	\$191,214
274	Coahoma	\$268,262	6.48%	\$17,383	\$275,639	6.42%	\$17,696
276	Cockrell Hill	\$1,441,832	9.12%	\$131,495	\$1,481,482	8.76%	\$129,778
278	Coleman	\$2,573,046	16.92%	\$435,359	\$2,636,086	17.49%	\$461,051
280	College Station	\$62,106,497	13.30%	\$8,260,164	\$63,814,426	13.08%	\$8,346,927
281	Colleyville	\$15,055,386	9.39%	\$1,413,701	\$15,469,409	9.77%	\$1,511,361
282	Collinsville	\$339,244	5.35%	\$18,150	\$348,573	6.45%	\$22,483
283	Colmesneil	\$157,968	9.26%	\$14,628	\$162,312	8.84%	\$14,348
284	Colorado City	\$1,611,956	7.63%	\$122,992	\$1,648,225	6.94%	\$114,387
286	Columbus	\$1,960,168	11.97%	\$234,632	\$2,014,073	10.03%	\$202,012
288	Comanche	\$1,221,023	4.84%	\$59,098	\$1,248,496	4.82%	\$60,178
289	Combes	\$643,806	6.72%	\$43,264	\$661,511	6.53%	\$43,197
290	Commerce	\$2,968,639	7.90%	\$234,522	\$3,035,433	7.66%	\$232,514
294	Conroe	\$33,787,487	16.30%	\$5,507,360	\$34,716,643	16.25%	\$5,641,454
295	Converse	\$8,920,837	14.01%	\$1,249,809	\$9,166,160	13.84%	\$1,268,597
298	Cooper	\$486,950	5.41%	\$26,344	\$500,341	5.62%	\$28,119
299	Coppell	\$32,689,880	16.15%	\$5,279,416	\$33,588,852	16.27%	\$5,464,906
297	Copper Canyon	\$256,640	12.22%	\$31,361	\$263,698	11.36%	\$29,956
300	Copperas Cove	\$13,862,509	12.57%	\$1,742,517	\$14,188,278	12.32%	\$1,747,996
301	Corinth	\$11,784,820	15.45%	\$1,820,755	\$12,097,118	15.03%	\$1,818,197
302	Corpus Christi	\$145,880,075	17.95%	\$26,185,473	\$149,308,257	17.02%	\$25,412,265
304	Corrigan	\$1,165,024	3.43%	\$39,960	\$1,197,062	3.46%	\$41,418
306	Corsicana	\$9,165,832	14.77%	\$1,353,793	\$9,335,400	14.07%	\$1,313,491
307	Cottonwood Shores	\$824,219	4.23%	\$34,864	\$846,885	3.54%	\$29,980
308	Cotulla	\$1,850,194	6.45%	\$119,338	\$1,901,074	5.95%	\$113,114
310	Crandall	\$1,767,427	11.04%	\$195,124	\$1,816,031	10.86%	\$197,221
312	Crane	\$1,509,438	8.12%	\$122,566	\$1,550,948	8.01%	\$124,231
314	Crawford	\$224,201	0.98%	\$2,197	\$230,367	1.14%	\$2,626
315	Creedmoor	\$160,039	5.49%	\$8,786	\$164,440	5.49%	\$9,028
316	Crockett	\$2,375,663	14.84%	\$352,548	\$2,417,237	14.21%	\$343,489
318	Crosbyton	\$392,364	4.15%	\$16,283	\$403,154	2.74%	\$11,046
320	Cross Plains	\$417,092	7.15%	\$29,822	\$428,562	7.26%	\$31,114

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
321	Cross Roads	\$904,797	7.46%	\$67,498	\$929,679	7.48%	\$69,540
322	Crowell	\$187,502	5.90%	\$11,063	\$192,658	5.90%	\$11,367
323	Crowley	\$7,017,830	11.33%	\$795,120	\$7,210,820	11.16%	\$804,728
324	Crystal City	\$1,596,636	1.40%	\$22,353	\$1,624,577	2.09%	\$33,954
326	Cuero	\$4,935,233	10.66%	\$526,096	\$5,070,952	9.71%	\$492,389
328	Cumby	\$463,856	1.67%	\$7,746	\$476,612	1.89%	\$9,008
332	Daingerfield	\$872,633	5.65%	\$49,304	\$896,630	5.80%	\$52,005
334	Daisetta	\$197,637	0.88%	\$1,739	\$201,096	0.70%	\$1,408
336	Dalhart	\$2,998,564	4.99%	\$149,628	\$3,081,025	4.23%	\$130,327
339	Dalworthington Gardens	\$1,785,928	22.64%	\$404,334	\$1,824,325	21.22%	\$387,122
340	Danbury	\$273,518	6.04%	\$16,520	\$281,040	6.46%	\$18,155
341	Darrouzett	\$105,697	5.34%	\$5,644	\$108,392	5.18%	\$5,615
344	Dayton	\$5,373,973	6.58%	\$353,607	\$5,521,757	6.28%	\$346,766
352	De Leon	\$493,396	2.82%	\$13,914	\$504,004	3.00%	\$15,120
10366	DeSoto	\$25,642,011	11.06%	\$2,836,006	\$26,347,166	11.13%	\$2,932,440
346	Decatur	\$6,474,068	13.84%	\$896,011	\$6,652,105	14.04%	\$933,956
348	Deer Park	\$22,448,941	13.58%	\$3,048,566	\$23,066,287	13.70%	\$3,160,081
350	Dekalb	\$529,778	2.93%	\$15,522	\$544,347	2.73%	\$14,861
354	Del Rio	\$20,797,841	7.20%	\$1,497,445	\$21,369,782	7.10%	\$1,517,255
353	Dell City	\$35,988	12.82%	\$4,614	\$36,942	17.19%	\$6,350
356	Denison	\$12,784,096	11.64%	\$1,488,069	\$13,135,659	11.34%	\$1,489,584
358	Denton	\$104,082,745	17.61%	\$18,328,971	\$106,945,020	17.47%	\$18,683,295
360	Denver City	\$1,566,307	10.13%	\$158,667	\$1,593,717	7.58%	\$120,804
362	Deport	\$123,392	2.35%	\$2,900	\$126,785	2.23%	\$2,827
370	Devine	\$2,021,668	16.17%	\$326,904	\$2,077,264	17.33%	\$359,990
371	Diboll	\$1,766,419	15.25%	\$269,379	\$1,797,331	14.76%	\$265,286
372	Dickens	\$76,163	2.36%	\$1,797	\$78,181	2.40%	\$1,876
373	Dickinson	\$5,884,083	9.77%	\$574,875	\$6,045,895	9.61%	\$581,011
374	Dilley	\$1,607,705	9.41%	\$151,285	\$1,651,917	9.13%	\$150,820
376	Dimmitt	\$981,657	4.52%	\$44,371	\$1,008,653	4.31%	\$43,473
382	Donna	\$6,228,232	11.11%	\$691,957	\$6,399,508	11.03%	\$705,866
379	Double Oak	\$750,305	7.92%	\$59,424	\$770,938	7.78%	\$59,979
383	Dripping Springs	\$1,919,386	5.88%	\$112,860	\$1,972,169	5.80%	\$114,386
385	Driscoll	\$145,465	1.90%	\$2,764	\$149,465	1.95%	\$2,915
384	Dublin	\$1,797,970	12.59%	\$226,364	\$1,847,414	11.53%	\$213,007
386	Dumas	\$6,310,086	12.92%	\$815,263	\$6,483,613	12.99%	\$842,221
388	Duncanville	\$18,702,937	7.12%	\$1,331,649	\$19,217,268	6.67%	\$1,281,792
394	Eagle Lake	\$1,204,349	9.65%	\$116,220	\$1,233,856	9.34%	\$115,242
396	Eagle Pass	\$18,438,488	8.63%	\$1,591,242	\$18,945,546	8.61%	\$1,631,212
397	Early	\$1,457,455	3.59%	\$52,323	\$1,497,535	3.88%	\$58,104
399	Earth	\$206,853	6.42%	\$13,280	\$211,714	4.67%	\$9,887
393	East Bernard	\$179,569	5.31%	\$9,535	\$184,507	5.15%	\$9,502
401	East Mountain	\$72,468	13.71%	\$9,935	\$73,736	11.30%	\$8,332
395	East Tawakoni	\$396,570	6.22%	\$24,667	\$407,476	5.85%	\$23,837
398	Eastland	\$1,872,923	9.00%	\$168,563	\$1,924,428	8.97%	\$172,621

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
402	Ector	\$186,792	1.70%	\$3,175	\$191,929	1.59%	\$3,052
406	Eden	\$272,610	3.30%	\$8,996	\$277,381	2.66%	\$7,378
408	Edgewood	\$411,877	5.81%	\$23,930	\$423,204	5.80%	\$24,546
410	Edinburg	\$42,195,747	14.48%	\$6,109,944	\$43,356,130	14.46%	\$6,269,296
412	Edna	\$1,603,121	10.84%	\$173,778	\$1,635,985	10.62%	\$173,742
414	El Campo	\$6,679,514	13.97%	\$933,128	\$6,863,201	13.73%	\$942,317
416	Eldorado	\$804,030	7.45%	\$59,900	\$826,141	7.63%	\$63,035
418	Electra	\$1,053,546	1.88%	\$19,807	\$1,076,197	1.78%	\$19,156
420	Elgin	\$4,989,411	13.81%	\$689,038	\$5,126,620	13.26%	\$679,790
422	Elkhart	\$316,892	4.29%	\$13,595	\$324,022	3.95%	\$12,799
427	Elmendorf	\$850,522	1.47%	\$12,503	\$873,911	1.16%	\$10,137
432	Emory	\$1,087,143	6.60%	\$71,751	\$1,117,039	6.75%	\$75,400
436	Ennis	\$12,332,702	16.73%	\$2,063,261	\$12,671,851	16.77%	\$2,125,069
437	Escobares	\$87,660	6.52%	\$5,715	\$90,071	5.42%	\$4,882
439	Eules	\$31,398,521	18.02%	\$5,658,013	\$32,261,980	17.64%	\$5,691,013
440	Eustace	\$400,572	9.87%	\$39,536	\$407,582	10.12%	\$41,247
441	Everman	\$2,402,910	7.98%	\$191,752	\$2,468,990	7.77%	\$191,841
443	Fair Oaks Ranch	\$4,077,413	11.57%	\$471,757	\$4,189,542	11.67%	\$488,920
442	Fairfield	\$1,812,836	7.28%	\$131,974	\$1,846,373	7.07%	\$130,539
445	Fairview	\$5,748,087	11.08%	\$636,888	\$5,906,159	11.09%	\$654,993
20444	Falfurrias	\$1,524,648	3.00%	\$45,739	\$1,566,576	2.37%	\$37,128
446	Falls City	\$184,201	7.45%	\$13,723	\$188,714	7.33%	\$13,833
448	Farmers Branch	\$31,704,009	19.12%	\$6,061,807	\$32,512,461	18.55%	\$6,031,062
450	Farmersville	\$2,404,899	8.29%	\$199,366	\$2,471,034	8.53%	\$210,779
451	Farwell	\$320,585	16.77%	\$53,762	\$329,401	15.90%	\$52,375
452	Fate	\$3,904,247	10.21%	\$398,624	\$4,011,614	10.22%	\$409,987
454	Fayetteville	\$132,418	3.17%	\$4,198	\$136,059	3.34%	\$4,544
456	Ferris	\$2,269,610	5.19%	\$117,793	\$2,332,024	5.43%	\$126,629
458	Flatonia	\$1,041,017	15.77%	\$164,168	\$1,069,645	14.47%	\$154,778
460	Florence	\$461,188	4.30%	\$19,831	\$473,871	4.36%	\$20,661
20462	Floresville	\$3,301,585	9.39%	\$310,019	\$3,392,379	8.86%	\$300,565
463	Flower Mound	\$43,867,125	11.29%	\$4,952,598	\$45,073,471	11.19%	\$5,043,721
464	Floydada	\$1,065,190	9.97%	\$106,199	\$1,091,287	10.26%	\$111,966
465	Follett	\$205,722	13.95%	\$28,698	\$211,379	9.15%	\$19,341
468	Forest Hill	\$5,655,934	12.84%	\$726,222	\$5,811,472	13.11%	\$761,884
470	Forney	\$11,789,071	14.16%	\$1,669,332	\$12,113,270	14.22%	\$1,722,507
472	Fort Stockton	\$5,998,111	9.66%	\$579,418	\$6,163,059	9.37%	\$577,479
476	Franklin	\$627,563	3.31%	\$20,772	\$644,821	3.26%	\$21,021
478	Frankston	\$543,937	1.44%	\$7,833	\$558,895	1.46%	\$8,160
480	Fredericksburg	\$11,032,954	21.87%	\$2,412,907	\$11,336,360	22.28%	\$2,525,741
482	Freeport	\$7,387,440	14.21%	\$1,049,755	\$7,590,595	14.09%	\$1,069,515
481	Freer	\$609,281	6.57%	\$40,030	\$621,162	7.00%	\$43,481
483	Friendswood	\$16,668,540	16.55%	\$2,758,643	\$17,126,925	16.27%	\$2,786,551
484	Friona	\$1,009,041	9.17%	\$92,529	\$1,032,753	8.74%	\$90,263
486	Frisco	\$102,249,410	14.44%	\$14,764,815	\$105,061,269	14.25%	\$14,971,231

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
487	Fritch	\$706,469	2.28%	\$16,107	\$725,897	2.78%	\$20,180
488	Frost	\$110,375	6.47%	\$7,141	\$112,307	7.43%	\$8,344
491	Fulshear	\$4,157,823	7.26%	\$301,858	\$4,272,163	7.17%	\$306,314
493	Fulton	\$262,651	22.89%	\$60,121	\$269,874	21.40%	\$57,753
492	Gainesville	\$12,448,652	11.85%	\$1,475,165	\$12,766,093	11.71%	\$1,494,909
494	Galena Park	\$4,143,427	10.75%	\$445,418	\$4,257,371	10.28%	\$437,658
498	Ganado	\$505,502	11.96%	\$60,458	\$516,370	12.28%	\$63,410
499	Garden Ridge	\$1,657,501	7.54%	\$124,976	\$1,703,082	7.64%	\$130,115
500	Garland	\$169,011,043	11.19%	\$18,912,336	\$173,658,847	11.33%	\$19,675,547
502	Garrison	\$426,877	15.08%	\$64,373	\$438,616	7.69%	\$33,730
503	Gary	\$237,160	5.59%	\$13,257	\$242,733	5.36%	\$13,010
504	Gatesville	\$4,334,948	14.70%	\$637,237	\$4,454,159	13.99%	\$623,137
505	George West	\$1,467,075	5.37%	\$78,782	\$1,507,420	5.32%	\$80,195
506	Georgetown	\$52,406,408	12.45%	\$6,524,598	\$53,847,584	12.48%	\$6,720,178
510	Giddings	\$3,134,068	18.17%	\$569,460	\$3,220,255	17.06%	\$549,376
512	Gilmer	\$2,292,604	13.39%	\$306,980	\$2,355,651	12.77%	\$300,817
514	Gladewater	\$2,834,803	8.30%	\$235,289	\$2,912,760	8.10%	\$235,934
516	Glen Rose	\$1,190,210	14.29%	\$170,081	\$1,222,941	13.86%	\$169,500
517	Glenn Heights	\$4,601,053	3.39%	\$155,976	\$4,727,582	3.16%	\$149,392
518	Godley	\$675,032	2.41%	\$16,268	\$693,595	2.44%	\$16,924
519	Goldsmith	\$334,457	2.04%	\$6,823	\$343,655	1.33%	\$4,571
520	Goldthwaite	\$739,725	24.00%	\$177,534	\$754,889	23.87%	\$180,192
522	Goliad	\$788,456	5.69%	\$44,863	\$810,139	5.71%	\$46,259
524	Gonzales	\$4,819,869	10.38%	\$500,302	\$4,952,415	9.91%	\$490,784
527	Gordon	\$219,698	2.28%	\$5,009	\$225,740	2.34%	\$5,282
530	Gorman	\$250,150	9.08%	\$22,714	\$257,029	8.42%	\$21,642
532	Graford	\$142,468	2.77%	\$3,946	\$146,386	2.65%	\$3,879
10534	Graham	\$4,293,942	10.69%	\$459,022	\$4,403,438	10.61%	\$467,205
536	Granbury	\$10,148,717	15.92%	\$1,615,676	\$10,427,807	16.61%	\$1,732,059
540	Grand Prairie	\$105,012,854	17.24%	\$18,104,216	\$107,900,707	17.03%	\$18,375,490
542	Grand Saline	\$1,075,116	7.44%	\$79,989	\$1,097,156	8.42%	\$92,381
544	Grandview	\$917,018	9.64%	\$88,401	\$942,236	10.51%	\$99,029
546	Granger	\$460,379	6.33%	\$29,142	\$471,658	7.20%	\$33,959
547	Granite Shoals	\$2,356,878	4.33%	\$102,053	\$2,421,692	4.31%	\$104,375
548	Grapeland	\$324,808	4.05%	\$13,155	\$330,492	3.78%	\$12,493
550	Grapevine	\$48,921,605	18.82%	\$9,207,046	\$50,266,949	18.54%	\$9,319,492
552	Greenville	\$20,776,274	11.32%	\$2,351,874	\$21,347,622	11.52%	\$2,459,246
551	Gregory	\$502,698	4.46%	\$22,420	\$516,522	4.43%	\$22,882
553	Grey Forest	\$3,037,059	16.45%	\$499,596	\$3,120,578	15.95%	\$497,732
556	Groesbeck	\$1,340,919	2.49%	\$33,389	\$1,364,385	2.54%	\$34,655
558	Groom	\$246,335	2.98%	\$7,341	\$253,109	3.10%	\$7,846
559	Groves	\$6,974,772	8.89%	\$620,057	\$7,152,629	9.21%	\$658,757
560	Groveton	\$209,147	1.95%	\$4,078	\$214,899	1.89%	\$4,062
562	Gruver	\$278,961	14.85%	\$41,426	\$286,632	14.41%	\$41,304
563	Gun Barrel City	\$1,913,674	4.85%	\$92,813	\$1,952,904	5.20%	\$101,551

\*Reflects phase-in, when applicable.



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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
564	Gunter	\$585,376	4.58%	\$26,810	\$601,474	4.85%	\$29,171
568	Hale Center	\$483,616	4.25%	\$20,554	\$496,915	4.99%	\$24,796
570	Hallettsville	\$1,569,925	12.42%	\$194,985	\$1,613,098	12.30%	\$198,411
572	Hallsville	\$895,908	2.80%	\$25,085	\$920,545	2.71%	\$24,947
574	Haltom City	\$18,368,973	19.01%	\$3,491,942	\$18,782,275	18.67%	\$3,506,651
576	Hamilton	\$1,177,813	13.87%	\$163,363	\$1,210,203	14.29%	\$172,938
578	Hamlin	\$618,101	4.17%	\$25,775	\$633,863	4.32%	\$27,383
580	Happy	\$104,653	7.96%	\$8,330	\$106,484	6.17%	\$6,570
581	Harker Heights	\$13,818,810	14.81%	\$2,046,566	\$14,198,827	14.63%	\$2,077,288
10582	Harlingen	\$8,486,179	10.32%	\$875,774	\$8,486,179	8.01%	\$679,743
20582	Harlingen Waterworks Sys	\$5,124,478	1.70%	\$87,116	\$5,124,478	1.56%	\$79,942
583	Hart	\$161,284	3.91%	\$6,306	\$165,719	4.01%	\$6,645
586	Haskell	\$798,382	0.00%	\$0	\$819,539	0.00%	\$0
587	Haslet	\$1,745,360	8.79%	\$153,417	\$1,793,357	9.58%	\$171,804
588	Hawkins	\$418,737	6.56%	\$27,469	\$426,065	6.53%	\$27,822
585	Hays	\$44,602	9.44%	\$4,210	\$45,383	10.73%	\$4,870
590	Hearne	\$2,526,043	14.92%	\$376,886	\$2,595,509	14.85%	\$385,433
591	Heath	\$4,582,859	12.00%	\$549,943	\$4,708,888	12.32%	\$580,135
592	Hedley	\$47,637	2.95%	\$1,405	\$48,471	3.82%	\$1,852
595	Hedwig Village	\$2,220,436	6.61%	\$146,771	\$2,279,278	6.32%	\$144,050
593	Helotes	\$3,940,180	7.14%	\$281,329	\$4,048,535	7.24%	\$293,114
594	Hemphill	\$1,182,673	7.49%	\$88,582	\$1,215,197	7.92%	\$96,244
596	Hempstead	\$3,645,365	7.74%	\$282,151	\$3,745,613	7.70%	\$288,412
598	Henderson	\$6,985,110	16.61%	\$1,160,227	\$7,177,201	16.35%	\$1,173,472
600	Henrietta	\$756,377	15.05%	\$113,835	\$775,665	15.37%	\$119,220
602	Hereford	\$5,602,089	10.45%	\$585,418	\$5,756,146	9.41%	\$541,653
605	Hewitt	\$5,138,314	16.41%	\$843,197	\$5,279,618	15.58%	\$822,564
609	Hickory Creek	\$1,340,654	13.69%	\$183,536	\$1,365,456	14.60%	\$199,357
606	Hico	\$519,263	8.49%	\$44,085	\$533,543	9.00%	\$48,019
607	Hidalgo	\$5,932,514	12.51%	\$742,158	\$6,077,861	12.28%	\$746,361
608	Higgins	\$118,386	3.95%	\$4,676	\$121,642	3.85%	\$4,683
610	Highland Park	\$14,191,617	9.33%	\$1,324,078	\$14,581,886	8.98%	\$1,309,453
611	Highland Village	\$11,256,641	13.56%	\$1,526,401	\$11,566,199	13.81%	\$1,597,292
613	Hill Country Village	\$932,402	3.85%	\$35,897	\$958,043	4.04%	\$38,705
612	Hillsboro	\$5,199,224	11.28%	\$586,472	\$5,331,804	11.60%	\$618,489
619	Hilshire Village	\$134,291	9.75%	\$13,093	\$137,984	7.70%	\$10,625
614	Hitchcock	\$2,149,267	4.13%	\$88,765	\$2,208,372	3.68%	\$81,268
615	Holland	\$257,075	5.75%	\$14,782	\$264,145	4.46%	\$11,781
616	Holliday	\$393,221	2.57%	\$10,106	\$401,675	2.65%	\$10,644
617	Hollywood Park	\$2,342,194	9.02%	\$211,266	\$2,406,604	8.71%	\$209,615
618	Hondo	\$4,871,774	8.35%	\$406,793	\$5,005,748	7.78%	\$389,447
620	Honey Grove	\$530,922	6.64%	\$35,253	\$545,522	6.10%	\$33,277
622	Hooks	\$552,809	13.52%	\$74,740	\$568,011	14.19%	\$80,601
623	Horizon City	\$3,466,381	5.75%	\$199,317	\$3,561,706	5.62%	\$200,168
626	Howe	\$916,840	4.87%	\$44,650	\$942,053	5.00%	\$47,103

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
627	Hubbard	\$460,936	2.87%	\$13,229	\$471,768	2.81%	\$13,257
628	Hudson	\$657,536	4.08%	\$26,827	\$675,618	4.25%	\$28,714
629	Hudson Oaks	\$1,795,952	12.12%	\$217,669	\$1,845,341	11.85%	\$218,673
630	Hughes Springs	\$697,682	8.36%	\$58,326	\$712,682	7.87%	\$56,088
632	Humble	\$16,795,339	13.31%	\$2,235,460	\$17,257,211	13.01%	\$2,245,163
633	Hunters Creek Village	\$583,048	18.57%	\$108,272	\$599,082	18.00%	\$107,835
634	Huntington	\$857,695	15.32%	\$131,399	\$881,282	15.37%	\$135,453
636	Huntsville	\$15,443,482	18.29%	\$2,824,613	\$15,821,847	17.72%	\$2,803,631
637	Hurst	\$27,035,303	11.87%	\$3,209,090	\$27,778,774	11.88%	\$3,300,118
638	Hutchins	\$4,189,133	9.05%	\$379,117	\$4,304,334	8.60%	\$370,173
640	Hutto	\$9,127,953	12.17%	\$1,110,872	\$9,378,972	11.72%	\$1,099,216
641	Huxley	\$363,197	0.78%	\$2,833	\$373,185	0.78%	\$2,911
642	Idalou	\$625,391	4.10%	\$25,641	\$642,589	4.11%	\$26,410
643	Ingleside	\$4,558,908	7.32%	\$333,712	\$4,684,278	7.53%	\$352,726
646	Ingram	\$594,410	7.93%	\$47,137	\$610,756	7.07%	\$43,180
647	Iowa Colony	\$731,613	10.38%	\$75,941	\$751,732	6.83%	\$51,343
644	Iowa Park	\$1,921,505	13.25%	\$254,599	\$1,972,425	11.41%	\$225,054
645	Iraan	\$298,384	18.23%	\$54,395	\$306,590	18.25%	\$55,953
648	Irving	\$120,909,704	14.71%	\$17,785,817	\$124,234,721	14.32%	\$17,790,412
650	Italy	\$831,390	2.99%	\$24,859	\$854,253	3.03%	\$25,884
652	Itasca	\$717,926	11.01%	\$79,044	\$737,669	9.51%	\$70,152
654	Jacinto City	\$3,731,830	11.80%	\$440,356	\$3,834,455	11.38%	\$436,361
656	Jacksboro	\$1,983,123	14.51%	\$287,751	\$2,037,659	13.66%	\$278,344
658	Jacksonville	\$6,491,639	10.68%	\$693,307	\$6,663,667	10.48%	\$698,352
660	Jasper	\$6,432,727	8.68%	\$558,361	\$6,609,627	8.45%	\$558,513
664	Jefferson	\$688,950	0.92%	\$6,338	\$702,385	0.63%	\$4,425
665	Jersey Village	\$6,136,819	13.75%	\$843,813	\$6,305,582	13.87%	\$874,584
666	Jewett	\$257,881	12.45%	\$32,106	\$262,394	12.92%	\$33,901
668	Joaquin	\$243,910	4.57%	\$11,147	\$250,618	5.33%	\$13,358
670	Johnson City	\$787,336	9.68%	\$76,214	\$808,988	8.67%	\$70,139
673	Jones Creek	\$454,550	5.55%	\$25,228	\$467,050	5.27%	\$24,614
675	Jonestown	\$1,518,298	7.52%	\$114,176	\$1,560,051	7.58%	\$118,252
677	Josephine	\$737,991	9.66%	\$71,290	\$758,286	8.57%	\$64,985
671	Joshua	\$1,804,241	5.76%	\$103,924	\$1,853,858	5.97%	\$110,675
672	Jourdanton	\$1,511,410	5.78%	\$87,359	\$1,552,974	5.51%	\$85,569
674	Junction	\$1,088,241	14.95%	\$162,692	\$1,118,168	11.89%	\$132,950
676	Justin	\$2,363,470	7.57%	\$178,915	\$2,428,465	7.26%	\$176,307
678	Karnes City	\$1,285,014	8.77%	\$112,696	\$1,320,352	8.57%	\$113,154
680	Katy	\$17,436,445	13.74%	\$2,395,768	\$17,915,947	13.51%	\$2,420,444
682	Kaufman	\$3,568,988	14.86%	\$530,352	\$3,663,566	14.01%	\$513,266
683	Keene	\$2,500,347	12.27%	\$306,793	\$2,569,107	11.96%	\$307,265
681	Keller	\$20,376,824	16.07%	\$3,274,556	\$20,855,679	16.04%	\$3,345,251
685	Kemah	\$1,976,446	6.28%	\$124,121	\$2,026,845	6.02%	\$122,016
684	Kemp	\$785,982	9.38%	\$73,725	\$807,597	10.00%	\$80,760
689	Kempner	\$132,631	1.71%	\$2,268	\$136,278	1.76%	\$2,398

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
686	Kenedy	\$2,683,903	3.40%	\$91,253	\$2,757,710	3.45%	\$95,141
688	Kennedale	\$4,310,930	13.39%	\$577,234	\$4,429,481	14.01%	\$620,570
690	Kerens	\$421,140	12.05%	\$50,747	\$432,721	13.00%	\$56,254
692	Kermit	\$3,026,046	15.66%	\$473,879	\$3,109,262	16.11%	\$500,902
10694	Kerrville	\$19,225,562	10.47%	\$2,012,916	\$19,754,265	10.39%	\$2,052,468
20694	Kerrville PUB	\$4,290,762	11.96%	\$513,175	\$4,404,467	11.61%	\$511,359
10696	Kilgore	\$8,699,799	13.84%	\$1,204,052	\$8,939,043	13.75%	\$1,229,118
698	Killeen	\$48,800,009	14.48%	\$7,066,241	\$50,142,009	14.77%	\$7,405,975
700	Kingsville	\$12,667,759	8.37%	\$1,060,291	\$13,016,122	8.04%	\$1,046,496
701	Kirby	\$2,608,681	14.49%	\$377,998	\$2,680,420	13.86%	\$371,506
702	Kirbyville	\$910,454	5.91%	\$53,808	\$934,581	5.56%	\$51,963
704	Knox City	\$373,366	2.73%	\$10,193	\$383,634	2.58%	\$9,898
706	Kosse	\$199,220	4.48%	\$8,925	\$204,699	1.47%	\$3,009
708	Kountze	\$1,077,208	1.60%	\$17,235	\$1,106,831	1.51%	\$16,713
709	Kress	\$31,640	0.00%	\$0	\$32,194	0.00%	\$0
699	Krugerville	\$671,576	7.74%	\$51,980	\$690,044	8.00%	\$55,204
707	Krum	\$2,656,911	6.38%	\$169,511	\$2,729,976	6.18%	\$168,713
710	Kyle	\$13,751,953	12.99%	\$1,786,379	\$14,130,132	12.74%	\$1,800,179
725	La Coste	\$337,817	1.80%	\$6,081	\$347,107	1.84%	\$6,387
714	La Feria	\$2,288,714	15.71%	\$359,557	\$2,351,654	14.56%	\$342,401
716	La Grange	\$3,062,561	14.00%	\$428,759	\$3,146,781	14.00%	\$440,549
723	La Grulla	\$416,664	5.39%	\$22,458	\$428,122	4.68%	\$20,036
732	La Joya	\$1,429,250	6.89%	\$98,475	\$1,468,554	5.85%	\$85,910
721	La Marque	\$8,314,294	14.55%	\$1,209,730	\$8,517,994	14.14%	\$1,204,444
728	La Porte	\$25,714,986	15.34%	\$3,944,679	\$26,422,148	15.57%	\$4,113,928
731	La Vernia	\$970,295	5.52%	\$53,560	\$996,978	5.40%	\$53,837
711	Lacy-Lakeview	\$2,278,725	14.86%	\$338,619	\$2,341,390	13.47%	\$315,385
712	Ladonia	\$66,576	3.85%	\$2,563	\$68,274	4.82%	\$3,291
713	Lago Vista	\$5,043,088	7.86%	\$396,387	\$5,181,773	7.94%	\$411,433
705	Laguna Vista	\$804,901	4.08%	\$32,840	\$827,036	4.07%	\$33,660
717	Lake Dallas	\$2,323,208	13.47%	\$312,936	\$2,387,096	12.96%	\$309,368
718	Lake Jackson	\$12,796,546	11.41%	\$1,460,086	\$13,148,451	11.07%	\$1,455,534
719	Lake Worth	\$5,982,444	16.36%	\$978,728	\$6,146,961	17.02%	\$1,046,213
727	Lakeport	\$224,130	0.32%	\$717	\$230,294	0.32%	\$737
715	Lakeside	\$995,901	10.91%	\$108,653	\$1,023,288	10.98%	\$112,357
729	Lakeside City	\$242,202	5.23%	\$12,667	\$248,863	5.29%	\$13,165
720	Lakeway	\$7,612,066	13.63%	\$1,037,525	\$7,821,398	13.51%	\$1,056,671
722	Lamesa	\$3,873,832	4.64%	\$179,746	\$3,980,362	4.11%	\$163,593
724	Lampasas	\$5,999,401	15.54%	\$932,307	\$6,164,385	15.75%	\$970,891
726	Lancaster	\$19,242,688	13.90%	\$2,674,734	\$19,733,377	13.24%	\$2,612,699
730	Laredo	\$129,598,883	21.03%	\$27,254,645	\$133,162,852	20.52%	\$27,325,017
733	Lavon	\$1,094,972	7.30%	\$79,933	\$1,125,084	7.45%	\$83,819
736	League City	\$38,086,311	14.68%	\$5,591,070	\$39,133,685	14.38%	\$5,627,424
737	Leander	\$22,715,706	12.02%	\$2,730,428	\$23,340,388	12.18%	\$2,842,859
735	Lefors	\$122,930	3.65%	\$4,487	\$126,311	3.34%	\$4,219

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
739	Leon Valley	\$7,284,124	17.65%	\$1,285,648	\$7,484,437	17.63%	\$1,319,506
738	Leonard	\$640,118	0.88%	\$5,633	\$657,721	0.91%	\$5,985
740	Levelland	\$5,326,268	10.60%	\$564,584	\$5,472,740	9.04%	\$494,736
742	Lewisville	\$60,958,167	16.71%	\$10,186,110	\$62,634,517	16.35%	\$10,240,744
744	Lexington	\$556,119	9.82%	\$54,611	\$571,412	7.98%	\$45,599
746	Liberty	\$5,302,402	16.53%	\$876,487	\$5,405,799	15.48%	\$836,818
745	Liberty Hill	\$3,152,052	7.03%	\$221,589	\$3,238,733	6.72%	\$217,643
748	Lindale	\$2,828,891	15.16%	\$428,860	\$2,906,686	14.76%	\$429,027
750	Linden	\$547,888	1.01%	\$5,534	\$562,955	0.80%	\$4,504
749	Lindsay	\$181,631	4.86%	\$8,827	\$186,626	5.01%	\$9,350
755	Lipan	\$175,051	2.32%	\$4,061	\$179,865	2.00%	\$3,597
751	Little Elm	\$20,428,764	13.42%	\$2,741,540	\$20,990,555	13.76%	\$2,888,300
752	Littlefield	\$2,495,541	7.89%	\$196,898	\$2,564,168	7.02%	\$180,005
753	Live Oak	\$7,576,180	18.14%	\$1,374,319	\$7,784,525	17.67%	\$1,375,526
757	Liverpool	\$240,450	1.83%	\$4,400	\$247,062	1.85%	\$4,571
754	Livingston	\$4,757,635	16.17%	\$769,310	\$4,888,470	15.25%	\$745,492
756	Llano	\$2,453,324	13.45%	\$329,972	\$2,518,337	13.07%	\$329,147
758	Lockhart	\$7,164,120	12.47%	\$893,366	\$7,361,133	12.33%	\$907,628
760	Lockney	\$282,708	0.00%	\$0	\$289,352	0.00%	\$0
765	Lone Star	\$454,217	2.21%	\$10,038	\$466,708	2.24%	\$10,454
766	Longview	\$35,869,601	11.20%	\$4,017,395	\$36,856,015	11.02%	\$4,061,533
768	Loraine	\$92,352	2.69%	\$2,484	\$94,061	3.43%	\$3,226
769	Lorena	\$756,668	10.54%	\$79,753	\$777,476	10.50%	\$81,635
770	Lorenzo	\$220,113	1.94%	\$4,270	\$226,166	1.48%	\$3,347
771	Los Fresnos	\$2,293,496	7.25%	\$166,278	\$2,356,567	7.17%	\$168,966
773	Lott	\$330,764	1.33%	\$4,399	\$338,868	1.61%	\$5,456
774	Lovelady	\$128,879	7.62%	\$9,821	\$132,423	7.77%	\$10,289
778	Lubbock	\$113,106,895	17.47%	\$19,759,775	\$116,217,335	16.66%	\$19,361,808
779	Lucas	\$2,668,559	12.69%	\$338,640	\$2,741,944	12.47%	\$341,920
782	Lufkin	\$17,551,593	16.40%	\$2,878,461	\$18,034,262	16.27%	\$2,934,174
784	Luling	\$4,041,396	6.33%	\$255,820	\$4,152,534	6.09%	\$252,889
785	Lumberton	\$2,548,485	15.74%	\$401,132	\$2,618,568	15.51%	\$406,140
786	Lyford	\$427,631	2.83%	\$12,102	\$439,391	2.70%	\$11,864
787	Lytle	\$1,311,011	10.59%	\$138,836	\$1,347,064	10.47%	\$141,038
790	Madisonville	\$1,676,142	9.28%	\$155,546	\$1,722,236	8.53%	\$146,907
791	Magnolia	\$1,584,018	4.81%	\$76,191	\$1,627,578	4.62%	\$75,194
792	Malakoff	\$1,469,744	7.44%	\$109,349	\$1,510,162	6.81%	\$102,842
796	Manor	\$4,796,336	8.76%	\$420,159	\$4,928,235	8.23%	\$405,594
798	Mansfield	\$41,073,309	16.05%	\$6,592,266	\$42,202,825	15.88%	\$6,701,809
799	Manvel	\$3,373,781	9.97%	\$336,366	\$3,466,560	9.38%	\$325,163
800	Marble Falls	\$7,581,004	10.60%	\$803,586	\$7,759,158	10.68%	\$828,678
802	Marfa	\$1,940,123	3.20%	\$62,084	\$1,993,476	3.11%	\$61,997
804	Marion	\$464,875	4.46%	\$20,733	\$477,659	4.28%	\$20,444
806	Marlin	\$2,044,940	8.03%	\$164,209	\$2,101,176	7.39%	\$155,277
808	Marquez	\$104,097	18.09%	\$18,831	\$106,960	18.45%	\$19,734

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
810	Marshall	\$9,116,368	16.23%	\$1,479,587	\$9,312,370	15.76%	\$1,467,630
812	Mart	\$613,576	2.53%	\$15,523	\$630,449	3.19%	\$20,111
813	Martindale	\$137,139	10.30%	\$14,125	\$140,910	8.19%	\$11,541
814	Mason	\$1,297,334	6.12%	\$79,397	\$1,333,011	5.72%	\$76,248
816	Matador	\$127,729	7.43%	\$9,490	\$130,475	6.58%	\$8,585
818	Mathis	\$2,201,915	4.22%	\$92,921	\$2,262,468	4.28%	\$96,834
820	Maud	\$203,617	3.49%	\$7,106	\$209,216	4.36%	\$9,122
822	Maypearl	\$173,045	1.20%	\$2,077	\$177,631	0.68%	\$1,208
824	McAllen	\$79,785,014	8.19%	\$6,534,393	\$81,979,102	8.13%	\$6,664,901
826	McCamey	\$710,192	2.31%	\$16,405	\$729,722	2.42%	\$17,659
828	McGregor	\$2,732,059	9.66%	\$263,917	\$2,807,191	9.77%	\$274,263
830	McKinney	\$93,243,514	14.93%	\$13,921,257	\$95,807,711	15.02%	\$14,390,318
832	McLean	\$261,909	2.45%	\$6,417	\$269,111	2.41%	\$6,486
833	McLendon-Chisholm	\$585,142	6.99%	\$40,901	\$601,233	7.31%	\$43,950
834	Meadow	\$178,184	4.23%	\$7,537	\$183,084	4.18%	\$7,653
831	Meadowlakes	\$1,055,830	2.40%	\$25,340	\$1,084,865	2.49%	\$27,013
835	Meadows Place	\$2,055,520	10.64%	\$218,707	\$2,112,047	10.39%	\$219,442
837	Melissa	\$3,601,152	12.63%	\$454,825	\$3,700,184	12.23%	\$452,533
1501	Memorial Villages PD	\$3,700,191	11.31%	\$418,492	\$3,801,946	11.12%	\$422,776
840	Memphis	\$627,039	10.46%	\$65,588	\$644,283	10.34%	\$66,619
842	Menard	\$305,596	0.00%	\$0	\$312,472	0.00%	\$0
844	Mercedes	\$5,570,899	16.73%	\$932,011	\$5,724,099	15.57%	\$891,242
846	Meridian	\$517,421	3.35%	\$17,334	\$531,650	3.34%	\$17,757
848	Merkel	\$585,544	13.87%	\$81,215	\$601,646	12.54%	\$75,446
852	Mertzon	\$238,814	11.06%	\$26,413	\$245,381	10.77%	\$26,428
854	Mesquite	\$82,123,079	18.08%	\$14,847,853	\$84,381,464	17.68%	\$14,918,643
856	Mexia	\$3,901,784	11.83%	\$461,581	\$4,005,181	11.37%	\$455,389
858	Miami	\$104,193	10.76%	\$11,211	\$107,058	10.21%	\$10,931
860	Midland	\$55,004,156	14.53%	\$7,992,104	\$56,516,770	14.24%	\$8,047,988
862	Midlothian	\$18,621,413	15.00%	\$2,793,212	\$19,133,502	14.89%	\$2,848,978
863	Milano	\$33,785	11.78%	\$3,980	\$34,714	12.17%	\$4,225
864	Miles	\$173,656	0.00%	\$0	\$178,432	0.00%	\$0
865	Milford	\$284,178	8.54%	\$24,269	\$289,151	8.65%	\$25,012
868	Mineola	\$2,413,506	10.32%	\$249,074	\$2,479,877	10.73%	\$266,091
870	Mineral Wells	\$9,742,932	8.58%	\$835,944	\$10,010,863	8.15%	\$815,885
874	Mission	\$33,447,112	8.75%	\$2,926,622	\$34,366,908	8.75%	\$3,007,104
875	Missouri City	\$26,142,905	9.48%	\$2,478,347	\$26,861,835	9.05%	\$2,430,996
876	Monahans	\$4,302,438	7.11%	\$305,903	\$4,420,755	6.83%	\$301,938
887	Mont Belvieu	\$11,109,247	13.92%	\$1,546,407	\$11,414,751	13.75%	\$1,569,528
877	Montgomery	\$1,744,358	9.57%	\$166,935	\$1,792,328	9.59%	\$171,884
878	Moody	\$502,028	2.23%	\$11,195	\$515,834	2.20%	\$11,348
883	Morgan's Point	\$970,209	10.26%	\$99,543	\$987,188	10.16%	\$100,298
882	Morgan's Point Resort	\$1,354,770	11.85%	\$160,540	\$1,392,026	11.83%	\$164,677
884	Morton	\$410,389	4.33%	\$17,770	\$421,264	3.15%	\$13,270
886	Moulton	\$509,929	4.17%	\$21,264	\$522,422	4.17%	\$21,785

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
890	Mount Enterprise	\$107,142	1.69%	\$1,811	\$109,231	2.25%	\$2,458
892	Mt. Pleasant	\$9,200,523	14.63%	\$1,346,037	\$9,453,537	14.76%	\$1,395,342
894	Mt. Vernon	\$988,800	11.39%	\$112,624	\$1,015,992	10.20%	\$103,631
896	Muenster	\$581,496	2.14%	\$12,444	\$597,487	1.85%	\$11,054
898	Muleshoe	\$1,548,910	19.60%	\$303,586	\$1,589,956	19.16%	\$304,636
901	Munday	\$287,088	3.44%	\$9,876	\$294,983	3.46%	\$10,206
903	Murphy	\$8,473,681	14.24%	\$1,206,652	\$8,706,707	14.23%	\$1,238,964
10904	Nacogdoches	\$17,630,203	14.31%	\$2,522,882	\$18,115,034	14.47%	\$2,621,245
906	Naples	\$300,147	1.39%	\$4,172	\$308,401	1.47%	\$4,533
907	Nash	\$1,125,426	18.28%	\$205,728	\$1,156,375	18.58%	\$214,854
905	Nassau Bay	\$3,017,005	15.00%	\$452,551	\$3,090,922	10.81%	\$334,129
909	Natalia	\$460,425	2.77%	\$12,754	\$473,087	2.26%	\$10,692
908	Navasota	\$3,737,179	6.86%	\$256,370	\$3,825,003	6.55%	\$250,538
910	Nederland	\$9,383,337	7.22%	\$677,477	\$9,641,379	7.52%	\$725,032
912	Needville	\$989,043	3.92%	\$38,770	\$1,016,242	3.58%	\$36,381
914	New Boston	\$1,658,354	1.35%	\$22,388	\$1,703,959	1.44%	\$24,537
10916	New Braunfels	\$45,098,484	16.92%	\$7,630,663	\$46,338,692	17.05%	\$7,900,747
20916	New Braunfels Utilities	\$22,449,808	17.79%	\$3,993,821	\$23,067,178	17.61%	\$4,062,130
915	New Deal	\$237,980	0.87%	\$2,070	\$243,335	0.56%	\$1,363
923	New Fairview	\$171,744	11.33%	\$19,459	\$176,467	6.60%	\$11,647
918	New London	\$369,681	3.44%	\$12,717	\$377,999	3.34%	\$12,625
919	New Summerfield	\$422,783	7.61%	\$32,174	\$433,564	7.68%	\$33,298
917	New Waverly	\$271,372	16.47%	\$44,695	\$277,478	14.85%	\$41,205
913	Newark	\$306,165	2.25%	\$6,889	\$314,585	1.21%	\$3,806
920	Newton	\$1,270,061	21.46%	\$272,555	\$1,304,988	19.72%	\$257,344
922	Nixon	\$840,530	0.67%	\$5,632	\$863,645	0.78%	\$6,736
924	Nocona	\$887,931	10.27%	\$91,191	\$903,470	10.40%	\$93,961
925	Nolanville	\$822,124	1.94%	\$15,949	\$844,732	1.87%	\$15,796
928	Normangee	\$298,254	3.09%	\$9,216	\$306,456	4.11%	\$12,595
931	North Richland Hills	\$38,828,483	16.83%	\$6,534,834	\$39,896,266	16.81%	\$6,706,562
930	Northlake	\$3,117,301	9.83%	\$306,431	\$3,203,027	9.85%	\$315,498
935	O'Donnell	\$160,187	5.09%	\$8,154	\$162,990	4.18%	\$6,813
936	Oak Point	\$2,262,676	7.17%	\$162,234	\$2,324,900	7.06%	\$164,138
937	Oak Ridge North	\$2,645,437	11.56%	\$305,813	\$2,718,187	11.81%	\$321,018
942	Odem	\$709,720	8.17%	\$57,984	\$729,237	8.07%	\$58,849
944	Odessa	\$46,095,929	13.87%	\$6,393,505	\$47,363,567	13.70%	\$6,488,809
945	Oglesby	\$58,054	1.43%	\$830	\$59,650	1.74%	\$1,038
949	Old River-Winfree	\$37,634	0.00%	\$0	\$38,293	0.00%	\$0
950	Olmos Park	\$2,055,987	2.99%	\$61,474	\$2,112,527	2.75%	\$58,094
951	Olney	\$898,566	6.76%	\$60,743	\$914,291	6.68%	\$61,075
953	Omaha	\$219,202	4.91%	\$10,763	\$225,230	5.20%	\$11,712
954	Onalaska	\$546,219	2.51%	\$13,710	\$561,240	2.20%	\$12,347
958	Orange	\$9,970,930	14.76%	\$1,471,709	\$10,245,131	14.40%	\$1,475,299
960	Orange Grove	\$425,596	7.70%	\$32,771	\$436,023	8.06%	\$35,143
959	Ore City	\$422,650	1.13%	\$4,776	\$434,273	1.40%	\$6,080

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
962	Overton	\$852,818	3.78%	\$32,237	\$876,270	3.77%	\$33,035
961	Ovilla	\$1,472,540	9.72%	\$143,131	\$1,513,035	10.20%	\$154,330
963	Oyster Creek	\$1,224,337	11.19%	\$137,003	\$1,258,006	10.62%	\$133,600
964	Paducah	\$207,825	0.00%	\$0	\$211,462	0.00%	\$0
966	Palacios	\$1,654,414	16.76%	\$277,280	\$1,699,910	16.45%	\$279,635
968	Palestine	\$9,017,935	13.98%	\$1,260,707	\$9,265,928	13.67%	\$1,266,652
970	Palmer	\$1,213,432	11.06%	\$134,206	\$1,246,801	11.36%	\$141,637
969	Palmhurst	\$1,299,688	5.53%	\$71,873	\$1,335,429	5.44%	\$72,647
971	Palmview	\$3,268,554	1.72%	\$56,219	\$3,358,439	1.71%	\$57,429
972	Pampa	\$8,188,879	21.79%	\$1,784,357	\$8,414,073	20.67%	\$1,739,189
974	Panhandle	\$857,129	11.04%	\$94,627	\$879,843	10.88%	\$95,727
973	Panorama Village	\$791,207	5.25%	\$41,538	\$812,965	5.06%	\$41,136
975	Pantego	\$2,859,849	15.86%	\$453,572	\$2,938,495	15.70%	\$461,344
976	Paris	\$12,294,944	6.78%	\$833,597	\$12,596,170	6.45%	\$812,453
977	Parker	\$1,699,271	13.23%	\$224,814	\$1,746,001	13.65%	\$238,329
978	Pasadena	\$74,222,212	13.24%	\$9,827,021	\$76,263,323	13.69%	\$10,440,449
983	Pearland	\$55,048,599	13.10%	\$7,211,366	\$56,562,435	12.94%	\$7,319,179
984	Pearsall	\$2,843,693	4.32%	\$122,848	\$2,921,895	3.86%	\$112,785
988	Pecos City	\$8,748,371	6.37%	\$557,271	\$8,988,951	6.48%	\$582,484
989	Pelican Bay	\$535,065	4.13%	\$22,098	\$549,779	4.19%	\$23,036
991	Penitas	\$1,569,540	3.97%	\$62,311	\$1,612,702	3.94%	\$63,540
994	Perryton	\$4,011,173	11.86%	\$475,725	\$4,121,480	10.07%	\$415,033
1000	Pflugerville	\$21,365,855	13.29%	\$2,839,522	\$21,953,416	13.52%	\$2,968,102
1002	Pharr	\$32,513,849	7.47%	\$2,428,785	\$33,407,980	7.32%	\$2,445,464
1004	Pilot Point	\$2,816,249	11.63%	\$327,530	\$2,893,696	11.21%	\$324,383
1005	Pinehurst	\$1,231,037	19.78%	\$243,499	\$1,263,659	17.56%	\$221,899
1003	Pineland	\$398,869	4.00%	\$15,955	\$409,838	3.40%	\$13,934
1001	Piney Point Village	\$523,794	6.76%	\$35,408	\$538,198	6.34%	\$34,122
1006	Pittsburg	\$1,723,272	12.81%	\$220,751	\$1,770,662	10.90%	\$193,002
1007	Plains	\$432,166	4.59%	\$19,836	\$444,051	4.32%	\$19,183
1008	Plainview	\$6,470,639	11.81%	\$764,182	\$6,629,170	11.52%	\$763,680
1010	Plano	\$181,205,883	16.68%	\$30,225,141	\$186,189,045	16.35%	\$30,441,909
1012	Pleasanton	\$6,171,693	15.18%	\$936,863	\$6,341,415	15.01%	\$951,846
1013	Point	\$296,094	12.92%	\$38,255	\$304,237	13.53%	\$41,163
1017	Ponder	\$866,779	5.77%	\$50,013	\$890,615	5.82%	\$51,834
1014	Port Aransas	\$6,708,019	11.38%	\$763,373	\$6,892,490	10.92%	\$752,660
11016	Port Arthur	\$41,529,378	13.92%	\$5,780,889	\$42,671,436	13.65%	\$5,824,651
1018	Port Isabel	\$2,296,698	4.01%	\$92,098	\$2,359,857	3.83%	\$90,383
1020	Port Lavaca	\$4,053,996	5.76%	\$233,510	\$4,165,481	5.73%	\$238,682
1022	Port Neches	\$7,691,399	14.18%	\$1,090,640	\$7,902,912	14.60%	\$1,153,825
1019	Portland	\$8,679,871	13.22%	\$1,147,479	\$8,918,567	12.77%	\$1,138,901
1024	Post	\$891,564	13.78%	\$122,858	\$916,082	12.86%	\$117,808
1026	Poteet	\$1,130,421	2.75%	\$31,087	\$1,161,508	2.86%	\$33,219
1028	Poth	\$436,807	4.61%	\$20,137	\$448,819	4.59%	\$20,601
1030	Pottsboro	\$1,043,056	6.75%	\$70,406	\$1,071,740	6.58%	\$70,520

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
1031	Prairie View	\$1,199,789	3.04%	\$36,474	\$1,232,783	2.58%	\$31,806
1032	Premont	\$509,997	0.00%	\$0	\$523,002	0.00%	\$0
1029	Presidio	\$1,676,681	0.80%	\$13,413	\$1,722,790	0.72%	\$12,404
1033	Primera	\$708,690	0.65%	\$4,606	\$728,179	0.85%	\$6,190
1034	Princeton	\$6,047,507	11.41%	\$690,021	\$6,213,813	11.85%	\$736,337
1036	Prosper	\$18,762,421	13.74%	\$2,577,957	\$19,278,388	14.25%	\$2,747,170
1037	Providence Village	\$552,612	6.91%	\$38,185	\$567,809	6.89%	\$39,122
1042	Quanah	\$548,151	8.94%	\$49,005	\$557,744	3.45%	\$19,242
1045	Queen City	\$555,891	1.60%	\$8,894	\$571,178	1.71%	\$9,767
1044	Quinlan	\$831,625	9.69%	\$80,584	\$854,495	9.83%	\$83,997
1047	Quintana	\$297,075	9.88%	\$29,351	\$305,245	8.70%	\$26,556
1046	Quitaque	\$139,740	4.37%	\$6,107	\$143,583	4.02%	\$5,772
1048	Quitman	\$1,132,403	5.71%	\$64,660	\$1,163,544	5.65%	\$65,740
1050	Ralls	\$301,918	7.35%	\$22,191	\$310,221	4.29%	\$13,308
1051	Rancho Viejo	\$584,765	5.46%	\$31,928	\$600,846	5.70%	\$34,248
1052	Ranger	\$863,145	7.76%	\$66,980	\$884,292	7.99%	\$70,655
1054	Rankin	\$226,377	11.42%	\$25,852	\$232,602	7.67%	\$17,841
1055	Ransom Canyon	\$622,979	14.39%	\$89,647	\$640,111	14.29%	\$91,472
1058	Raymondville	\$2,431,278	1.49%	\$36,226	\$2,498,138	1.78%	\$44,467
1061	Red Oak	\$7,783,340	6.77%	\$526,932	\$7,997,382	6.57%	\$525,428
1062	Redwater	\$310,933	2.82%	\$8,768	\$319,484	2.73%	\$8,722
1064	Refugio	\$1,300,849	0.00%	\$0	\$1,336,622	0.00%	\$0
1065	Reklaw	\$234,340	15.92%	\$37,307	\$240,316	15.56%	\$37,393
1066	Reno (Lamar County)	\$717,488	5.12%	\$36,735	\$737,219	5.10%	\$37,598
1069	Reno (Parker County)	\$778,755	3.28%	\$25,543	\$800,171	3.65%	\$29,206
1067	Rhome	\$925,395	6.42%	\$59,410	\$950,843	6.71%	\$63,802
1068	Rice	\$440,309	1.22%	\$5,372	\$452,417	1.37%	\$6,198
1070	Richardson	\$78,960,617	14.80%	\$11,686,171	\$81,132,034	14.07%	\$11,415,277
1073	Richland Hills	\$4,833,256	16.05%	\$775,738	\$4,966,171	16.01%	\$795,084
1074	Richland Springs	\$24,000	0.00%	\$0	\$24,420	0.00%	\$0
1076	Richmond	\$9,907,226	15.13%	\$1,498,963	\$10,179,675	14.71%	\$1,497,430
1077	Richwood	\$1,373,733	11.17%	\$153,446	\$1,411,511	11.25%	\$158,795
1072	Riesel	\$364,845	5.67%	\$20,687	\$374,878	5.86%	\$21,968
1075	Rio Grande City	\$5,755,104	6.96%	\$400,555	\$5,913,369	6.92%	\$409,205
1079	Rio Vista	\$338,849	4.06%	\$13,757	\$344,779	3.73%	\$12,860
1080	Rising Star	\$216,495	0.00%	\$0	\$222,449	0.00%	\$0
1082	River Oaks	\$3,231,150	14.81%	\$478,533	\$3,313,544	13.94%	\$461,908
1084	Roanoke	\$11,560,456	17.46%	\$2,018,456	\$11,878,369	17.18%	\$2,040,704
1088	Robert Lee	\$161,207	3.84%	\$6,190	\$164,673	4.13%	\$6,801
1089	Robinson	\$3,802,248	13.50%	\$513,303	\$3,906,810	13.65%	\$533,280
21090	Robstown	\$5,245,684	5.52%	\$289,562	\$5,389,940	4.79%	\$258,178
11090	Robstown Utility Systems	\$2,608,787	17.73%	\$462,538	\$2,670,093	17.96%	\$479,549
1092	Roby	\$81,965	4.62%	\$3,787	\$83,399	5.68%	\$4,737
1096	Rockdale	\$2,102,738	8.25%	\$173,476	\$2,160,563	7.82%	\$168,956
1098	Rockport	\$6,919,034	17.35%	\$1,200,452	\$7,109,307	16.71%	\$1,187,965

\*Reflects phase-in, when applicable.



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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
1100	Rocksprings	\$355,301	1.60%	\$5,685	\$363,651	1.52%	\$5,527
1102	Rockwall	\$22,626,952	15.24%	\$3,448,347	\$23,249,193	15.06%	\$3,501,328
1104	Rogers	\$351,302	9.42%	\$33,093	\$357,450	9.71%	\$34,708
1105	Rollingwood	\$1,221,955	11.30%	\$138,081	\$1,255,559	11.71%	\$147,026
1106	Roma	\$4,101,834	10.24%	\$420,028	\$4,214,634	9.54%	\$402,076
1109	Roscoe	\$377,385	1.88%	\$7,095	\$387,763	1.83%	\$7,096
1112	Rosebud	\$439,385	1.83%	\$8,041	\$451,468	1.83%	\$8,262
1114	Rosenberg	\$18,750,813	16.29%	\$3,054,507	\$19,266,460	15.87%	\$3,057,587
1116	Rotan	\$287,434	0.00%	\$0	\$294,476	0.00%	\$0
1118	Round Rock	\$72,875,975	15.84%	\$11,543,554	\$74,880,064	15.94%	\$11,935,882
1119	Rowlett	\$29,583,138	13.03%	\$3,854,683	\$30,396,674	13.11%	\$3,985,004
1120	Royse City	\$5,141,998	15.47%	\$795,467	\$5,283,403	15.79%	\$834,249
1122	Rule	\$87,134	1.59%	\$1,385	\$88,659	0.20%	\$177
1123	Runaway Bay	\$708,302	2.33%	\$16,503	\$727,780	2.26%	\$16,448
1124	Runge	\$199,870	21.06%	\$42,093	\$205,366	12.09%	\$24,829
1126	Rusk	\$1,825,941	6.14%	\$112,113	\$1,876,154	6.39%	\$119,886
1128	Sabinal	\$467,349	2.26%	\$10,562	\$476,930	2.11%	\$10,063
1129	Sachse	\$10,755,053	14.65%	\$1,575,615	\$11,050,817	14.43%	\$1,594,633
1131	Saginaw	\$9,572,129	21.11%	\$2,020,676	\$9,835,363	21.12%	\$2,077,229
1130	Saint Jo	\$282,743	3.71%	\$10,490	\$287,691	4.50%	\$12,946
1133	Salado	\$548,012	6.17%	\$33,812	\$563,082	6.04%	\$34,010
1132	San Angelo	\$38,276,628	17.33%	\$6,633,340	\$39,290,959	17.01%	\$6,683,392
21136	San Antonio	\$413,576,500	12.35%	\$51,076,698	\$424,949,854	12.17%	\$51,716,397
11136	San Antonio Water System	\$122,456,730	3.74%	\$4,579,882	\$125,824,290	3.64%	\$4,580,004
1138	San Augustine	\$1,220,406	8.73%	\$106,541	\$1,247,865	9.07%	\$113,181
1140	San Benito	\$6,461,649	4.99%	\$322,436	\$6,632,883	4.72%	\$313,072
1144	San Felipe	\$209,103	5.05%	\$10,560	\$213,599	3.78%	\$8,074
1148	San Juan	\$10,545,224	4.39%	\$462,935	\$10,835,218	4.30%	\$465,914
1150	San Marcos	\$49,420,956	17.88%	\$8,836,467	\$50,780,032	18.25%	\$9,267,356
1152	San Saba	\$1,986,779	8.33%	\$165,499	\$2,041,415	8.26%	\$168,621
1146	Sanger	\$4,365,954	8.56%	\$373,726	\$4,486,018	8.50%	\$381,312
1153	Sansom Park	\$1,713,357	6.81%	\$116,680	\$1,760,474	6.66%	\$117,248
1155	Santa Fe	\$3,445,287	17.27%	\$595,001	\$3,540,032	17.82%	\$630,834
1158	Savoy	\$126,106	0.84%	\$1,059	\$128,313	1.36%	\$1,745
1159	Schertz	\$21,430,342	16.30%	\$3,493,146	\$22,019,676	16.22%	\$3,571,591
1160	Schulenburg	\$1,987,561	20.30%	\$403,475	\$2,042,219	18.62%	\$380,261
1161	Seabrook	\$7,961,070	16.13%	\$1,284,121	\$8,179,999	15.62%	\$1,277,716
1162	Seadrift	\$717,364	3.30%	\$23,673	\$737,092	2.68%	\$19,754
1164	Seagoville	\$6,021,763	11.10%	\$668,416	\$6,187,361	11.23%	\$694,841
1166	Seagraves	\$801,167	10.09%	\$80,838	\$823,199	8.51%	\$70,054
1167	Sealy	\$4,282,352	13.31%	\$569,981	\$4,400,117	12.74%	\$560,575
1168	Seguin	\$24,423,201	22.22%	\$5,426,835	\$25,094,839	21.79%	\$5,468,165
1169	Selma	\$5,695,677	15.14%	\$862,325	\$5,852,308	15.21%	\$890,136
1170	Seminole	\$3,167,442	12.15%	\$384,844	\$3,254,547	11.79%	\$383,711
1171	Seven Points	\$571,216	1.61%	\$9,197	\$586,924	2.11%	\$12,384

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
1172	Seymour	\$1,062,239	7.40%	\$78,606	\$1,091,451	7.45%	\$81,313
1165	Shady Shores	\$122,468	10.18%	\$12,467	\$125,836	10.51%	\$13,225
1177	Shallowater	\$671,286	4.57%	\$30,678	\$689,746	4.76%	\$32,832
1174	Shamrock	\$530,689	9.54%	\$50,628	\$544,752	9.22%	\$50,226
1173	Shavano Park	\$3,235,092	13.74%	\$444,502	\$3,324,057	13.98%	\$464,703
1175	Shenandoah	\$3,967,530	18.59%	\$737,564	\$4,036,962	18.29%	\$738,360
1181	Shepherd	\$330,285	2.41%	\$7,960	\$339,368	2.75%	\$9,333
1176	Sherman	\$28,602,132	14.49%	\$4,144,449	\$29,388,691	13.94%	\$4,096,784
1178	Shiner	\$1,557,669	10.81%	\$168,384	\$1,600,505	10.82%	\$173,175
1179	Shoreacres	\$523,241	4.93%	\$25,796	\$536,060	4.16%	\$22,300
1180	Silsbee	\$3,429,481	18.65%	\$639,598	\$3,523,792	18.07%	\$636,749
1182	Silverton	\$145,335	5.55%	\$8,066	\$149,332	4.50%	\$6,720
1183	Simonton	\$140,181	2.55%	\$3,575	\$144,036	2.79%	\$4,019
1184	Sinton	\$1,852,200	12.29%	\$227,635	\$1,903,136	12.46%	\$237,131
1185	Skellytown	\$138,314	2.41%	\$3,333	\$142,118	1.91%	\$2,714
1186	Slaton	\$2,061,276	6.75%	\$139,136	\$2,105,593	6.92%	\$145,707
1188	Smithville	\$2,771,747	7.06%	\$195,685	\$2,847,970	6.80%	\$193,662
1189	Smyer	\$86,684	10.47%	\$9,076	\$89,068	7.20%	\$6,413
1190	Snyder	\$5,355,495	13.74%	\$735,845	\$5,502,771	13.45%	\$740,123
1191	Somerset	\$496,759	2.34%	\$11,624	\$510,420	2.38%	\$12,148
1192	Somerville	\$615,485	5.01%	\$30,836	\$632,411	4.64%	\$29,344
1194	Sonora	\$1,275,777	8.92%	\$113,799	\$1,310,861	7.71%	\$101,067
1196	Sour Lake	\$684,351	5.72%	\$39,145	\$703,171	5.44%	\$38,253
1198	South Houston	\$6,103,095	9.67%	\$590,169	\$6,270,930	8.87%	\$556,231
1199	South Padre Island	\$8,803,362	12.55%	\$1,104,822	\$9,045,454	12.25%	\$1,108,068
1197	Southlake	\$26,513,730	12.39%	\$3,285,051	\$27,242,858	12.33%	\$3,359,044
1200	Southmayd	\$346,650	3.60%	\$12,479	\$356,183	3.42%	\$12,181
1202	Southside Place	\$1,605,801	11.35%	\$182,258	\$1,649,961	11.01%	\$181,661
1204	Spearmen	\$1,168,950	10.98%	\$128,351	\$1,201,096	10.74%	\$128,998
1201	Splendora	\$1,492,462	5.45%	\$81,339	\$1,533,505	4.96%	\$76,062
1205	Spring Valley Village	\$3,477,864	6.67%	\$231,974	\$3,573,505	6.33%	\$226,203
1203	Springtown	\$2,024,369	9.49%	\$192,113	\$2,080,039	9.72%	\$202,180
1206	Spur	\$300,728	5.21%	\$15,668	\$308,998	4.80%	\$14,832
1207	Stafford	\$11,473,501	14.05%	\$1,612,027	\$11,789,022	13.62%	\$1,605,665
1208	Stamford	\$1,014,870	4.73%	\$48,003	\$1,032,630	4.79%	\$49,463
1210	Stanton	\$1,304,562	5.69%	\$74,230	\$1,340,437	5.62%	\$75,333
1211	Star Harbor	\$171,615	10.63%	\$18,243	\$174,961	12.87%	\$22,517
1212	Stephenville	\$9,422,034	7.05%	\$664,253	\$9,681,140	6.83%	\$661,222
1213	Sterling City	\$291,596	1.18%	\$3,441	\$299,615	1.13%	\$3,386
1214	Stinnett	\$886,331	0.10%	\$886	\$910,705	0.23%	\$2,095
1216	Stockdale	\$399,054	4.75%	\$18,955	\$410,028	4.62%	\$18,943
1218	Stratford	\$679,806	9.01%	\$61,251	\$698,501	9.57%	\$66,847
1224	Sudan	\$414,441	1.45%	\$6,009	\$425,838	1.17%	\$4,982
1225	Sugar Land	\$59,429,228	14.43%	\$8,575,638	\$61,063,532	14.35%	\$8,762,617
1226	Sulphur Springs	\$8,909,526	7.82%	\$696,725	\$9,154,538	7.54%	\$690,252

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
1228	Sundown	\$560,594	12.15%	\$68,112	\$575,450	12.23%	\$70,378
1229	Sunnyvale	\$3,619,756	11.97%	\$433,285	\$3,719,299	11.58%	\$430,695
1230	Sunray	\$621,594	14.94%	\$92,866	\$638,688	14.39%	\$91,907
1227	Sunrise Beach Village	\$558,227	1.40%	\$7,815	\$573,578	1.46%	\$8,374
1231	Sunset Valley	\$1,902,744	10.93%	\$207,970	\$1,955,069	11.54%	\$225,615
1233	Surfside Beach	\$1,034,567	1.41%	\$14,587	\$1,063,018	1.55%	\$16,477
1232	Sweeny	\$1,116,090	15.83%	\$176,677	\$1,146,782	15.24%	\$174,770
1234	Sweetwater	\$6,018,557	16.35%	\$984,034	\$6,184,067	16.18%	\$1,000,582
1264	TMRS	\$13,711,997	15.50%	\$2,125,360	\$14,089,077	15.19%	\$2,140,131
1236	Taft	\$1,138,325	16.52%	\$188,051	\$1,167,352	15.19%	\$177,321
1238	Tahoka	\$779,474	0.50%	\$3,897	\$800,910	0.55%	\$4,405
1240	Talty	\$194,289	14.70%	\$28,560	\$199,632	11.44%	\$22,838
1241	Tatum	\$383,274	1.81%	\$6,937	\$393,814	1.75%	\$6,892
1246	Taylor	\$9,140,518	13.18%	\$1,204,720	\$9,391,882	12.69%	\$1,191,830
1248	Teague	\$972,964	8.26%	\$80,367	\$989,991	7.93%	\$78,506
1252	Temple	\$38,252,963	17.05%	\$6,522,130	\$39,304,919	16.73%	\$6,575,713
1254	Tenaha	\$259,060	0.36%	\$933	\$266,184	0.00%	\$0
1256	Terrell	\$11,788,362	16.26%	\$1,916,788	\$12,112,542	16.25%	\$1,968,288
1258	Terrell Hills	\$2,958,677	15.66%	\$463,329	\$3,040,041	15.50%	\$471,206
31263	Tex Municipal League IEBP	\$10,927,426	8.01%	\$875,287	\$11,227,930	8.51%	\$955,497
21263	Tex Municipal League IRP	\$27,391,388	10.55%	\$2,889,791	\$28,144,651	10.44%	\$2,938,302
21260	Texarkana	\$9,081,520	15.31%	\$1,390,381	\$9,285,854	14.94%	\$1,387,307
11260	Texarkana Police Dept	\$6,098,944	14.76%	\$900,204	\$6,266,665	14.75%	\$924,333
31260	Texarkana Water Utilities	\$7,734,620	16.14%	\$1,248,368	\$7,939,587	16.03%	\$1,272,716
1262	Texas City	\$25,195,109	16.60%	\$4,182,388	\$25,887,974	16.79%	\$4,346,591
11263	Texas Municipal League	\$3,504,733	14.27%	\$500,125	\$3,601,113	13.33%	\$480,028
1267	The Colony	\$27,835,798	13.49%	\$3,755,049	\$28,601,282	13.47%	\$3,852,593
1269	Thompsons	\$132,950	4.25%	\$5,650	\$136,606	4.12%	\$5,628
1268	Thorndale	\$400,605	7.28%	\$29,164	\$407,616	7.32%	\$29,837
1272	Thrall	\$259,720	6.69%	\$17,375	\$266,862	5.98%	\$15,958
1274	Three Rivers	\$1,970,074	23.86%	\$470,060	\$2,024,251	23.26%	\$470,841
1276	Throckmorton	\$164,004	6.19%	\$10,152	\$168,186	5.59%	\$9,402
1277	Tiki Island	\$540,496	3.38%	\$18,269	\$555,360	3.52%	\$19,549
1278	Timpson	\$368,134	1.67%	\$6,148	\$378,258	1.64%	\$6,203
1280	Tioga	\$444,128	1.73%	\$7,683	\$456,342	1.89%	\$8,625
1283	Tolar	\$234,124	6.72%	\$15,733	\$240,562	7.06%	\$16,984
1286	Tom Bean	\$283,713	2.85%	\$8,086	\$291,231	2.74%	\$7,980
1284	Tomball	\$12,607,548	13.31%	\$1,678,065	\$12,954,256	12.98%	\$1,681,462
1290	Trent	\$94,639	6.29%	\$5,953	\$97,242	4.94%	\$4,804
1292	Trenton	\$239,730	4.04%	\$9,685	\$243,925	4.18%	\$10,196
1293	Trinidad	\$298,193	2.05%	\$6,113	\$303,411	1.52%	\$4,612
1294	Trinity	\$722,344	6.84%	\$49,408	\$742,208	6.23%	\$46,240
1295	Trophy Club	\$5,831,312	13.45%	\$784,311	\$5,991,673	12.58%	\$753,752
1296	Troup	\$925,448	5.14%	\$47,568	\$950,898	5.26%	\$50,017
1297	Troy	\$763,916	10.21%	\$77,996	\$784,924	10.19%	\$79,984

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
1298	Tulia	\$1,611,143	9.47%	\$152,575	\$1,655,449	8.32%	\$137,733
1299	Turkey	\$144,838	5.12%	\$7,416	\$148,821	5.26%	\$7,828
1300	Tuscola	\$123,400	6.22%	\$7,675	\$126,794	5.67%	\$7,189
1301	Tye	\$709,576	5.57%	\$39,523	\$729,089	5.51%	\$40,173
1304	Tyler	\$40,029,933	21.05%	\$8,426,301	\$41,130,756	20.64%	\$8,489,388
1305	Universal City	\$8,633,767	18.38%	\$1,586,886	\$8,871,196	18.64%	\$1,653,591
1306	University Park	\$18,184,443	8.80%	\$1,600,231	\$18,684,515	8.65%	\$1,616,211
1308	Uvalde	\$7,414,186	5.75%	\$426,316	\$7,618,076	5.48%	\$417,471
1312	Valley Mills	\$327,442	2.14%	\$7,007	\$336,447	2.03%	\$6,830
1313	Valley View	\$220,473	1.91%	\$4,211	\$226,536	1.75%	\$3,964
1314	Van	\$1,036,595	7.28%	\$75,464	\$1,065,101	6.67%	\$71,042
1316	Van Alstyne	\$2,455,137	9.96%	\$244,532	\$2,522,653	10.14%	\$255,797
1318	Van Horn	\$1,293,010	7.96%	\$102,924	\$1,315,638	8.00%	\$105,251
1320	Vega	\$260,112	23.79%	\$61,881	\$267,005	20.30%	\$54,202
1324	Venus	\$1,405,364	10.62%	\$149,250	\$1,444,012	10.69%	\$154,365
1326	Vernon	\$4,010,116	12.20%	\$489,234	\$4,104,354	11.58%	\$475,284
1328	Victoria	\$33,709,781	16.32%	\$5,501,436	\$34,636,800	15.71%	\$5,441,441
1329	Vidor	\$3,747,426	14.19%	\$531,760	\$3,850,480	14.74%	\$567,561
1500	Village Fire Department	\$4,156,696	7.07%	\$293,878	\$4,262,692	6.55%	\$279,206
1327	Village of the Hills	\$109,073	7.99%	\$8,715	\$112,073	8.49%	\$9,515
1330	Waco	\$92,088,564	14.69%	\$13,527,810	\$94,528,911	14.34%	\$13,555,446
1332	Waelder	\$838,571	2.55%	\$21,384	\$861,632	2.65%	\$22,833
1334	Wake Village	\$1,185,664	13.60%	\$161,250	\$1,218,270	14.00%	\$170,558
1336	Waller	\$1,976,144	4.02%	\$79,441	\$2,030,488	4.11%	\$83,453
1337	Wallis	\$686,792	2.27%	\$15,590	\$705,679	2.33%	\$16,442
1338	Walnut Springs	\$97,089	3.87%	\$3,757	\$99,759	3.97%	\$3,960
1340	Waskom	\$716,063	6.60%	\$47,260	\$732,890	6.62%	\$48,517
1341	Watauga	\$10,215,977	14.79%	\$1,510,943	\$10,425,405	14.82%	\$1,545,045
1342	Waxahachie	\$20,101,973	15.59%	\$3,133,898	\$20,654,777	15.60%	\$3,222,145
1344	Weatherford	\$24,254,567	13.78%	\$3,342,279	\$24,921,568	13.52%	\$3,369,396
1345	Webster	\$12,457,670	17.39%	\$2,166,389	\$12,800,256	17.52%	\$2,242,605
1346	Weimar	\$1,421,879	14.30%	\$203,329	\$1,460,981	13.73%	\$200,593
1350	Wellington	\$549,817	3.23%	\$17,759	\$564,937	3.29%	\$18,586
1352	Wells	\$219,866	3.22%	\$7,080	\$225,912	3.15%	\$7,116
1354	Weslaco	\$11,727,188	8.30%	\$973,357	\$11,944,141	7.86%	\$938,809
1356	West	\$950,234	6.17%	\$58,629	\$976,365	5.76%	\$56,239
1358	West Columbia	\$1,746,570	3.82%	\$66,719	\$1,794,601	3.96%	\$71,066
1359	West Lake Hills	\$1,983,422	16.40%	\$325,281	\$2,022,099	16.05%	\$324,547
1361	West Orange	\$1,452,711	18.43%	\$267,735	\$1,483,944	18.80%	\$278,981
1365	West Tawakoni	\$485,981	8.29%	\$40,288	\$496,916	7.62%	\$37,865
1364	West Univ. Place	\$10,362,326	12.83%	\$1,329,486	\$10,647,290	12.91%	\$1,374,565
1363	Westlake	\$4,412,853	11.77%	\$519,393	\$4,534,206	11.59%	\$525,514
1362	Westover Hills	\$1,397,412	6.17%	\$86,220	\$1,435,841	6.04%	\$86,725
1366	Westworth Village	\$2,423,003	12.08%	\$292,699	\$2,489,636	10.50%	\$261,412
1368	Wharton	\$5,939,612	5.38%	\$319,551	\$6,102,951	5.06%	\$308,809

\*Reflects phase-in, when applicable.

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

CITY #	CITY NAME	2021 EXPECTED CONTRIBUTIONS			2022 EXPECTED CONTRIBUTIONS		
		EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS	EXPECTED COMPENSATION	TOTAL RATE*	EXPECTED CONTRIBUTIONS
1370	Wheeler	\$284,044	8.86%	\$25,166	\$291,855	9.23%	\$26,938
1372	White Deer	\$286,388	10.22%	\$29,269	\$291,400	9.42%	\$27,450
1377	White Oak	\$2,310,565	14.09%	\$325,559	\$2,371,795	12.79%	\$303,353
1378	White Settlement	\$7,195,535	17.07%	\$1,228,278	\$7,393,412	17.07%	\$1,262,055
1374	Whiteface	\$144,090	2.42%	\$3,487	\$147,476	2.84%	\$4,188
1375	Whitehouse	\$2,099,550	8.49%	\$178,252	\$2,155,188	8.31%	\$179,096
1376	Whitesboro	\$2,190,554	6.32%	\$138,443	\$2,250,794	5.86%	\$131,897
1380	Whitewright	\$773,829	2.86%	\$22,132	\$795,109	2.87%	\$22,820
1382	Whitney	\$806,769	3.82%	\$30,819	\$827,342	3.61%	\$29,867
1384	Wichita Falls	\$47,934,864	16.57%	\$7,942,807	\$49,253,073	16.42%	\$8,087,355
1386	Willis	\$2,340,845	9.74%	\$227,998	\$2,405,218	9.47%	\$227,774
1387	Willow Park	\$2,489,490	7.09%	\$176,505	\$2,557,951	6.99%	\$178,801
1388	Wills Point	\$1,204,867	11.46%	\$138,078	\$1,228,362	10.82%	\$132,909
1390	Wilmer	\$2,923,750	5.41%	\$158,175	\$3,004,153	5.42%	\$162,825
1392	Wimberley	\$478,183	6.14%	\$29,360	\$491,333	5.66%	\$27,809
1393	Windcrest	\$3,987,747	6.97%	\$277,946	\$4,097,410	7.00%	\$286,819
1395	Winfield	\$79,097	2.67%	\$2,112	\$81,272	2.58%	\$2,097
1396	Wink	\$611,252	6.60%	\$40,343	\$628,061	6.02%	\$37,809
1398	Winnsboro	\$1,905,841	8.67%	\$165,236	\$1,958,252	8.80%	\$172,326
1399	Winona	\$157,984	2.44%	\$3,855	\$160,749	2.94%	\$4,726
1400	Winters	\$635,153	11.08%	\$70,375	\$650,079	10.65%	\$69,233
1403	Wolfforth	\$1,885,391	11.03%	\$207,959	\$1,937,239	10.93%	\$211,740
1409	Woodcreek	\$160,613	10.19%	\$16,366	\$165,030	10.41%	\$17,180
1404	Woodsboro	\$527,443	1.24%	\$6,540	\$541,948	1.94%	\$10,514
1406	Woodville	\$1,568,618	16.92%	\$265,410	\$1,608,618	16.56%	\$266,387
1407	Woodway	\$5,758,988	17.27%	\$994,577	\$5,917,360	17.67%	\$1,045,598
1408	Wortham	\$349,176	5.86%	\$20,462	\$357,731	6.21%	\$22,215
1410	Wylie	\$24,137,999	15.30%	\$3,693,114	\$24,801,794	15.27%	\$3,787,234
1412	Yoakum	\$4,588,606	16.10%	\$738,766	\$4,714,793	16.00%	\$754,367
1414	Yorktown	\$456,888	1.18%	\$5,391	\$464,884	0.00%	\$0
1415	Zavalla	\$353,246	0.93%	\$3,285	\$359,428	1.56%	\$5,607

\*Reflects phase-in, when applicable.

## **SECTION 5**

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### **SUPPLEMENTAL DEATH RATES**

**Section 5**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**CITY CONTRIBUTION RATES FOR 2022**  
**SUPPLEMENTAL DEATH BENEFITS**

<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREEES</u>	<u>CODE*</u>	<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREEES</u>	<u>CODE*</u>
4 Abernathy	0.12 %	0.22 %	3	106 Bellaire	0.11 %	0.25 %	3
6 Abilene	0.10 %	0.34 %	3	109 Bellmead	0.12 %	0.23 %	3
7 Addison	0.09 %	0.19 %	3	110 Bells	0.06 %	0.18 %	3
8 Agua Dulce	0.16 %	0.16 %	3	112 Bellville	0.13 %	0.39 %	3
10 Alamo	0.10 %	0.22 %	3	114 Belton	0.10 %	0.21 %	3
12 Alamo Heights	0.10 %	0.27 %	3	118 Benbrook	0.08 %	0.16 %	3
14 Alba	0.16 %	0.16 %	3	121 Berryville	0.48 %	0.71 %	3
16 Albany	0.17 %	0.39 %	3	123 Bertram	0.08 %	0.36 %	1
17 Aledo	0.12 %	0.28 %	3	124 Big Lake	0.13 %	0.26 %	3
18 Alice	0.12 %	0.39 %	1	126 Big Sandy	0.07 %	0.43 %	3
19 Allen	0.10 %	0.14 %	3	128 Big Spring	0.17 %	0.42 %	3
20 Alpine	0.09 %	0.20 %	3	132 Bishop	0.12 %	0.35 %	3
22 Alto	0.08 %	0.50 %	3	134 Blanco	0.08 %	0.20 %	3
23 Alton	0.09 %	0.15 %	3	140 Blooming Grove	0.09 %	0.24 %	3
24 Alvarado	0.10 %	0.14 %	3	142 Blossom	0.24 %	0.96 %	3
26 Alvin	0.10 %	0.21 %	3	143 Blue Mound	0.07 %	0.14 %	3
28 Alvord	0.13 %	0.16 %	3	144 Blue Ridge	0.07 %	0.36 %	3
30 Amarillo	0.10 %	0.31 %	1	148 Boerne	0.10 %	0.17 %	3
32 Amherst	0.09 %	0.22 %	1	150 Bogata	0.11 %	0.26 %	3
34 Anahuac	0.13 %	0.21 %	3	152 Bonham	0.13 %	0.24 %	1
36 Andrews	0.09 %	0.23 %	1	154 Booker	0.23 %	0.32 %	3
38 Angleton	0.10 %	0.22 %	3	156 Borger	0.18 %	0.32 %	3
40 Anna	0.07 %	0.09 %	3	158 Bovina	0.06 %	0.38 %	3
41 Annetta	0.09 %	0.09 %	3	160 Bowie	0.14 %	0.35 %	3
44 Anson	0.09 %	0.20 %	3	162 Boyd	0.07 %	0.21 %	1
45 Anthony	0.08 %	0.13 %	3	166 Brady	0.14 %	0.29 %	3
48 Aransas Pass	0.11 %	0.22 %	3	170 Brazoria	0.09 %	0.34 %	3
50 Archer City	0.22 %	0.40 %	3	172 Breckenridge	0.08 %	0.36 %	3
49 Arcola	0.16 %	0.17 %	3	174 Bremond	0.15 %	0.67 %	3
51 Argyle	0.12 %	0.17 %	1	176 Brenham	0.10 %	0.27 %	1
52 Arlington	0.08 %	0.19 %	3	177 Bridge City	0.16 %	0.30 %	3
54 Arp	0.11 %	0.26 %	3	178 Bridgeport	0.11 %	0.21 %	3
60 Aspermont	0.11 %	0.29 %	3	180 Bronte	0.17 %	0.24 %	3
62 Athens	0.08 %	0.20 %	3	182 Brookshire	0.11 %	0.14 %	3
64 Atlanta	0.13 %	0.28 %	3	184 Brownfield	0.11 %	0.28 %	1
66 Aubrey	0.08 %	0.09 %	3	186 Brownsboro	0.34 %	0.34 %	3
74 Avinger	0.20 %	0.20 %	3	10188 Brownsville	0.09 %	0.24 %	3
75 Azle	0.10 %	0.16 %	3	20188 Brownsville PUB	0.11 %	0.27 %	3
77 Baird	0.09 %	0.17 %	3	10190 Brownwood	0.10 %	0.31 %	1
78 Balch Springs	0.09 %	0.16 %	3	30190 Brownwood Health Dept.	0.08 %	0.26 %	1
79 Balcones Heights	0.12 %	0.27 %	3	20190 Brownwood Public Library	0.42 %	0.66 %	1
80 Ballinger	0.09 %	0.42 %	3	195 Bruceville-Eddy	0.07 %	0.38 %	3
82 Balmorhea	0.07 %	0.07 %	3	192 Bryan	0.10 %	0.20 %	1
83 Bandera	0.12 %	0.57 %	3	193 Bryson	0.10 %	0.10 %	1
84 Bangs	0.14 %	0.27 %	3	194 Buda	0.12 %	0.15 %	3
90 Bartlett	0.10 %	0.28 %	3	196 Buffalo	0.15 %	0.43 %	3
91 Bartonville	0.07 %	0.14 %	3	198 Bullard	0.13 %	0.19 %	3
92 Bastrop	0.09 %	0.17 %	3	203 Bulverde	0.07 %	0.12 %	3
94 Bay City	0.09 %	0.30 %	3	199 Bunker Hill Village	0.15 %	0.26 %	3
93 Bayou Vista	0.07 %	0.20 %	3	200 Burkburnett	0.17 %	0.39 %	3
96 Baytown	0.08 %	0.16 %	3	202 Burleson	0.09 %	0.14 %	3
98 Beaumont	0.11 %	0.30 %	1	204 Burnet	0.09 %	0.20 %	3
100 Bedford	0.09 %	0.12 %	2	205 Byers	0.18 %	0.18 %	3
101 Bee Cave	0.10 %	0.13 %	3	207 Cactus	0.09 %	0.22 %	3
102 Beeville	0.11 %	0.42 %	1	208 Caddo Mills	0.09 %	0.14 %	3

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**Section 5**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**CITY CONTRIBUTION RATES FOR 2022**  
**SUPPLEMENTAL DEATH BENEFITS**

<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREEES</u>	<u>CODE*</u>	<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREEES</u>	<u>CODE*</u>
210 Caldwell	0.19 %	0.45 %	3	297 Copper Canyon	0.24 %	0.31 %	3
212 Calvert	0.18 %	0.29 %	3	300 Copperas Cove	0.09 %	0.30 %	3
214 Cameron	0.10 %	0.29 %	3	301 Corinth	0.10 %	0.16 %	3
216 Campbell	0.18 %	0.18 %	3	302 Corpus Christi	0.11 %	0.39 %	1
220 Canadian	0.12 %	0.26 %	3	304 Corrigan	0.12 %	0.35 %	3
221 Caney City	0.08 %	0.08 %	3	306 Corsicana	0.11 %	0.34 %	3
222 Canton	0.17 %	0.25 %	3	307 Cottonwood Shores	0.31 %	0.31 %	3
224 Canyon	0.10 %	0.20 %	3	308 Cotulla	0.14 %	0.28 %	3
227 Carmine	0.05 %	0.05 %	3	310 Crandall	0.07 %	0.17 %	3
228 Carrizo Springs	0.14 %	0.42 %	3	312 Crane	0.11 %	0.22 %	3
230 Carrollton	0.09 %	0.21 %	1	314 Crawford	0.15 %	0.17 %	1
232 Carthage	0.15 %	0.35 %	3	315 Creedmoor	0.21 %	0.21 %	3
231 Castle Hills	0.09 %	0.28 %	3	316 Crockett	0.15 %	0.52 %	3
234 Castroville	0.16 %	0.39 %	3	318 Crosbyton	0.20 %	1.11 %	3
238 Cedar Hill	0.09 %	0.16 %	3	320 Cross Plains	0.12 %	0.23 %	3
239 Cedar Park	0.08 %	0.12 %	3	321 Cross Roads	0.06 %	0.07 %	3
240 Celeste	0.32 %	0.37 %	3	322 Crowell	0.13 %	0.13 %	3
242 Celina	0.09 %	0.10 %	3	323 Crowley	0.08 %	0.14 %	3
244 Center	0.09 %	0.22 %	3	324 Crystal City	0.13 %	0.39 %	1
246 Centerville	0.20 %	0.25 %	1	326 Cuero	0.13 %	0.29 %	3
247 Chandler	0.14 %	0.24 %	3	328 Cumby	0.08 %	0.14 %	3
248 Charlotte	0.13 %	0.18 %	3	332 Daingerfield	0.15 %	0.25 %	1
249 Chester	0.75 %	0.75 %	3	334 Daisetta	0.18 %	0.43 %	3
245 Chico	0.19 %	1.02 %	3	336 Dalhart	0.09 %	0.26 %	3
250 Childress	0.15 %	0.41 %	3	339 Dalworthington Gardens	0.08 %	0.16 %	3
251 Chillicothe	0.18 %	0.18 %	3	340 Danbury	0.11 %	0.22 %	3
253 Chireno	0.10 %	0.55 %	3	341 Darrrouzett	0.35 %	0.35 %	3
254 Christine	0.02 %	0.17 %	1	344 Dayton	0.07 %	0.17 %	3
255 Cibolo	0.10 %	0.13 %	3	352 De Leon	0.17 %	0.46 %	3
256 Cisco	0.09 %	0.31 %	2	10366 DeSoto	0.10 %	0.21 %	3
258 Clarendon	0.24 %	0.56 %	3	346 Decatur	0.12 %	0.22 %	3
259 Clarksville	0.09 %	0.27 %	3	348 Deer Park	0.11 %	0.22 %	3
260 Clarksville City	0.05 %	0.49 %	3	350 Dekalb	0.10 %	0.26 %	3
263 Clear Lake Shores	0.11 %	0.15 %	3	354 Del Rio	0.12 %	0.24 %	3
264 Cleburne	0.10 %	0.33 %	3	353 Dell City	0.07 %	0.83 %	3
266 Cleveland	0.09 %	0.25 %	3	356 Denison	0.10 %	0.27 %	1
268 Clifton	0.15 %	0.36 %	3	358 Denton	0.09 %	0.18 %	3
271 Clute	0.10 %	0.20 %	3	360 Denver City	0.11 %	0.32 %	3
272 Clyde	0.12 %	0.26 %	3	362 Deport	0.30 %	0.50 %	3
274 Coahoma	0.13 %	0.42 %	3	370 Devine	0.10 %	0.24 %	3
276 Cockrell Hill	0.10 %	0.26 %	3	371 Diboll	0.08 %	0.31 %	3
278 Coleman	0.11 %	0.50 %	1	372 Dickens	0.06 %	0.06 %	3
280 College Station	0.08 %	0.16 %	1	373 Dickinson	0.12 %	0.19 %	3
281 Colleyville	0.09 %	0.19 %	3	374 Dilley	0.09 %	0.24 %	3
282 Collinsville	0.11 %	0.33 %	3	376 Dimmitt	0.17 %	0.38 %	1
283 Colmesneil	0.07 %	0.08 %	3	382 Donna	0.10 %	0.17 %	1
284 Colorado City	0.19 %	0.62 %	3	379 Double Oak	0.13 %	0.32 %	3
286 Columbus	0.11 %	0.33 %	3	383 Dripping Springs	0.11 %	0.12 %	3
288 Comanche	0.13 %	0.38 %	3	385 Driscoll	0.38 %	0.65 %	3
289 Combes	0.08 %	0.11 %	1	384 Dublin	0.06 %	0.22 %	3
290 Commerce	0.08 %	0.40 %	3	386 Dumas	0.10 %	0.23 %	3
294 Conroe	0.09 %	0.15 %	1	388 Duncanville	0.10 %	0.23 %	1
295 Converse	0.09 %	0.16 %	3	394 Eagle Lake	0.15 %	0.44 %	3
298 Cooper	0.18 %	0.34 %	3	396 Eagle Pass	0.10 %	0.26 %	3
299 Coppel	0.10 %	0.16 %	3	397 Early	0.09 %	0.19 %	3

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**Section 5**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**CITY CONTRIBUTION RATES FOR 2022**  
**SUPPLEMENTAL DEATH BENEFITS**

<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREEES</u>	<u>CODE*</u>	<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREEES</u>	<u>CODE*</u>
399 Earth	0.08 %	0.31 %	3	494 Galena Park	0.11 %	0.30 %	3
393 East Bernard	0.11 %	0.17 %	3	498 Ganado	0.15 %	0.56 %	3
401 East Mountain	0.06 %	0.26 %	3	499 Garden Ridge	0.16 %	0.27 %	3
395 East Tawakoni	0.15 %	0.32 %	3	500 Garland	0.11 %	0.24 %	3
398 Eastland	0.16 %	0.34 %	3	502 Garrison	0.08 %	0.17 %	3
402 Ector	0.28 %	0.28 %	3	503 Gary	0.13 %	0.18 %	1
406 Eden	0.07 %	0.50 %	3	504 Gatesville	0.11 %	0.25 %	3
408 Edgewood	0.21 %	0.45 %	3	505 George West	0.13 %	0.20 %	3
410 Edinburg	0.08 %	0.17 %	3	506 Georgetown	0.08 %	0.12 %	3
412 Edna	0.16 %	0.48 %	3	510 Giddings	0.14 %	0.37 %	3
414 El Campo	0.10 %	0.26 %	3	512 Gilmer	0.10 %	0.28 %	3
416 Eldorado	0.18 %	0.80 %	3	514 Gladewater	0.10 %	0.24 %	3
418 Electra	0.13 %	0.48 %	3	516 Glen Rose	0.09 %	0.33 %	3
420 Elgin	0.17 %	0.26 %	3	517 Glenn Heights	0.08 %	0.13 %	3
422 Elkhart	0.29 %	0.40 %	1	518 Godley	0.09 %	0.29 %	3
427 Elmendorf	0.07 %	0.07 %	3	519 Goldsmith	0.30 %	0.30 %	3
432 Emory	0.14 %	0.25 %	3	520 Goldthwaite	0.14 %	0.27 %	3
436 Ennis	0.10 %	0.24 %	3	522 Goliad	0.18 %	0.30 %	3
437 Escobares	0.08 %	0.08 %	3	524 Gonzales	0.15 %	0.32 %	3
439 Eules	0.09 %	0.20 %	1	527 Gordon	0.07 %	0.07 %	3
440 Eustace	0.08 %	0.29 %	3	530 Gorman	0.10 %	0.23 %	3
441 Everman	0.14 %	0.20 %	3	532 Graford	0.19 %	0.19 %	3
443 Fair Oaks Ranch	0.10 %	0.14 %	3	10534 Graham	0.10 %	0.44 %	3
442 Fairfield	0.11 %	0.30 %	3	536 Granbury	0.12 %	0.24 %	3
445 Fairview	0.11 %	0.13 %	3	540 Grand Prairie	0.09 %	0.20 %	3
20444 Falfurrias	0.16 %	0.36 %	3	542 Grand Saline	0.10 %	0.31 %	3
446 Falls City	0.16 %	0.16 %	3	544 Grandview	0.10 %	0.36 %	1
448 Farmers Branch	0.09 %	0.25 %	2	546 Granger	0.15 %	0.45 %	1
450 Farmersville	0.14 %	0.23 %	3	547 Granite Shoals	0.12 %	0.26 %	3
451 Farwell	0.11 %	0.15 %	3	548 Grapeland	0.06 %	0.52 %	1
452 Fate	0.08 %	0.09 %	3	550 Grapevine	0.11 %	0.21 %	1
454 Fayetteville	0.15 %	0.39 %	1	552 Greenville	0.11 %	0.28 %	3
456 Ferris	0.09 %	0.30 %	3	551 Gregory	0.15 %	0.27 %	3
458 Flatonia	0.10 %	0.27 %	3	553 Grey Forest	0.13 %	0.21 %	3
460 Florence	0.10 %	0.14 %	3	556 Groesbeck	0.14 %	0.29 %	3
20462 Floresville	0.09 %	0.24 %	1	558 Groom	0.11 %	0.34 %	1
463 Flower Mound	0.08 %	0.12 %	3	559 Groves	0.10 %	0.29 %	1
464 Floydada	0.09 %	0.38 %	3	560 Groveton	0.17 %	0.67 %	3
465 Follett	0.15 %	0.15 %	3	562 Gruver	0.19 %	0.50 %	1
468 Forest Hill	0.09 %	0.15 %	3	563 Gun Barrel City	0.14 %	0.23 %	3
470 Forney	0.08 %	0.10 %	3	564 Gunter	0.09 %	0.16 %	3
472 Fort Stockton	0.14 %	0.35 %	3	568 Hale Center	0.13 %	0.15 %	3
476 Franklin	0.07 %	0.22 %	1	570 Hallettsville	0.10 %	0.39 %	3
478 Frankston	0.10 %	0.22 %	3	572 Hallsville	0.14 %	0.20 %	3
480 Fredericksburg	0.13 %	0.25 %	3	574 Haltom City	0.10 %	0.23 %	3
482 Freeport	0.09 %	0.19 %	3	576 Hamilton	0.08 %	0.40 %	3
481 Freer	0.19 %	0.52 %	3	578 Hamlin	0.10 %	0.63 %	3
483 Friendswood	0.10 %	0.17 %	3	580 Happy	0.13 %	0.31 %	3
484 Friona	0.09 %	0.30 %	3	581 Harker Heights	0.08 %	0.15 %	3
486 Frisco	0.09 %	0.11 %	3	10582 Harlingen	0.14 %	0.74 %	3
487 Fritch	0.18 %	0.34 %	3	20582 Harlingen Waterworks Sys	0.12 %	0.52 %	3
488 Frost	0.24 %	0.79 %	1	583 Hart	0.07 %	0.21 %	1
491 Fulshear	0.08 %	0.09 %	3	586 Haskell	0.11 %	0.32 %	3
493 Fulton	0.13 %	0.36 %	3	587 Haslet	0.13 %	0.16 %	3
492 Gainesville	0.09 %	0.29 %	3	588 Hawkins	0.12 %	0.28 %	3

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**Section 5**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**CITY CONTRIBUTION RATES FOR 2022**  
**SUPPLEMENTAL DEATH BENEFITS**

<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREEES</u>	<u>CODE*</u>	<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREEES</u>	<u>CODE*</u>
585 Hays	0.11 %	0.70 %	3	664 Jefferson	0.13 %	0.44 %	3
590 Hearne	0.11 %	0.35 %	3	665 Jersey Village	0.10 %	0.23 %	3
591 Heath	0.09 %	0.14 %	3	666 Jewett	0.10 %	0.18 %	3
592 Hedley	0.08 %	1.71 %	3	668 Joaquin	0.23 %	0.81 %	3
595 Hedwig Village	0.13 %	0.23 %	3	670 Johnson City	0.09 %	0.15 %	3
593 Helotes	0.07 %	0.13 %	3	673 Jones Creek	0.09 %	0.28 %	3
594 Hemphill	0.18 %	0.42 %	3	675 Jonestown	0.14 %	0.30 %	3
596 Hempstead	0.17 %	0.26 %	3	677 Josephine	0.06 %	0.06 %	3
598 Henderson	0.09 %	0.21 %	3	671 Joshua	0.09 %	0.12 %	3
600 Henrietta	0.14 %	0.32 %	3	672 Jourdanton	0.16 %	0.51 %	3
602 Hereford	0.09 %	0.29 %	3	674 Junction	0.12 %	0.29 %	3
605 Hewitt	0.09 %	0.15 %	3	676 Justin	0.12 %	0.15 %	1
609 Hickory Creek	0.07 %	0.11 %	3	678 Karnes City	0.12 %	0.20 %	3
606 Hico	0.09 %	0.45 %	3	680 Katy	0.09 %	0.15 %	3
607 Hidalgo	0.10 %	0.20 %	1	682 Kaufman	0.12 %	0.26 %	3
608 Higgins	0.25 %	0.39 %	3	683 Keene	0.08 %	0.23 %	3
610 Highland Park	0.10 %	0.19 %	1	681 Keller	0.08 %	0.14 %	3
611 Highland Village	0.09 %	0.17 %	3	685 Kemah	0.09 %	0.21 %	3
613 Hill Country Village	0.12 %	0.13 %	3	684 Kemp	0.08 %	0.29 %	3
612 Hillsboro	0.14 %	0.27 %	1	689 Kempner	0.09 %	0.09 %	3
619 Hilshire Village	0.15 %	0.24 %	3	686 Kenedy	0.09 %	0.12 %	3
614 Hitchcock	0.11 %	0.19 %	3	688 Kennedale	0.16 %	0.27 %	3
615 Holland	0.50 %	0.99 %	3	690 Kerens	0.15 %	0.16 %	3
616 Holliday	0.15 %	0.15 %	1	692 Kermit	0.13 %	0.27 %	3
617 Hollywood Park	0.11 %	0.22 %	3	10694 Kerrville	0.09 %	0.25 %	3
618 Hondo	0.08 %	0.22 %	3	20694 Kerrville PUB	0.10 %	0.24 %	3
620 Honey Grove	0.10 %	0.46 %	3	10696 Kilgore	0.13 %	0.31 %	3
622 Hooks	0.09 %	0.18 %	3	698 Killeen	0.09 %	0.22 %	3
623 Horizon City	0.09 %	0.10 %	3	700 Kingsville	0.11 %	0.25 %	1
626 Howe	0.15 %	0.41 %	3	701 Kirby	0.08 %	0.15 %	3
627 Hubbard	0.06 %	0.17 %	3	702 Kirbyville	0.14 %	0.54 %	3
628 Hudson	0.16 %	0.21 %	3	704 Knox City	0.25 %	0.49 %	3
629 Hudson Oaks	0.07 %	0.13 %	3	706 Kosse	0.06 %	0.10 %	3
630 Hughes Springs	0.19 %	0.23 %	3	708 Kountze	0.11 %	0.22 %	3
632 Humble	0.09 %	0.17 %	3	709 Kress	0.03 %	0.35 %	1
633 Hunters Creek Village	0.11 %	0.47 %	3	699 Krugerville	0.10 %	0.12 %	3
634 Huntington	0.12 %	0.26 %	3	707 Krum	0.09 %	0.11 %	3
636 Huntsville	0.11 %	0.26 %	3	710 Kyle	0.08 %	0.11 %	3
637 Hurst	0.09 %	0.22 %	1	725 La Coste	0.26 %	0.28 %	1
638 Hutchins	0.09 %	0.12 %	3	714 La Feria	0.11 %	0.33 %	3
640 Hutto	0.08 %	0.11 %	3	716 La Grange	0.16 %	0.31 %	3
641 Huxley	0.08 %	0.37 %	3	723 La Grulla	0.09 %	0.26 %	3
642 Idalou	0.06 %	0.06 %	3	732 La Joya	0.11 %	0.21 %	3
643 Ingleside	0.14 %	0.28 %	3	721 La Marque	0.08 %	0.22 %	3
646 Ingram	0.10 %	0.28 %	1	728 La Porte	0.10 %	0.19 %	3
647 Iowa Colony	0.05 %	0.09 %	3	731 La Vernia	0.10 %	0.16 %	3
644 Iowa Park	0.10 %	0.28 %	3	711 Lacy-Lakeview	0.12 %	0.21 %	3
645 Iraan	0.27 %	0.31 %	3	712 Ladonia	0.13 %	0.43 %	3
648 Irving	0.10 %	0.21 %	3	713 Lago Vista	0.13 %	0.22 %	3
650 Italy	0.17 %	0.28 %	3	705 Laguna Vista	0.13 %	0.14 %	3
652 Itasca	0.13 %	0.28 %	3	717 Lake Dallas	0.09 %	0.24 %	3
654 Jacinto City	0.22 %	0.32 %	3	718 Lake Jackson	0.11 %	0.26 %	3
656 Jacksboro	0.11 %	0.30 %	3	719 Lake Worth	0.08 %	0.15 %	3
658 Jacksonville	0.08 %	0.31 %	3	727 Lakeport	0.07 %	0.15 %	3
660 Jasper	0.13 %	0.31 %	3	715 Lakeside	0.22 %	0.31 %	3

\*Codes indicating provision adopted as of April 1, 2021: 1 = None, 2 = Actives only, 3 = Actives and Retirees

**Section 5**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**CITY CONTRIBUTION RATES FOR 2022**  
**SUPPLEMENTAL DEATH BENEFITS**

<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREEES</u>	<u>CODE*</u>	<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREEES</u>	<u>CODE*</u>
729 Lakeside City	0.10 %	0.31 %	3	810 Marshall	0.12 %	0.41 %	3
720 Lakeway	0.10 %	0.19 %	3	812 Mart	0.09 %	0.34 %	3
722 Lamesa	0.18 %	0.44 %	1	813 Martindale	0.14 %	0.17 %	3
724 Lampasas	0.11 %	0.25 %	3	814 Mason	0.10 %	0.46 %	3
726 Lancaster	0.08 %	0.18 %	3	816 Matador	0.35 %	0.48 %	3
730 Laredo	0.10 %	0.23 %	3	818 Mathis	0.10 %	0.32 %	3
733 Lavon	0.11 %	0.14 %	3	820 Maud	0.10 %	0.25 %	3
736 League City	0.11 %	0.18 %	3	822 Maypearl	0.08 %	0.26 %	3
737 Leander	0.09 %	0.12 %	3	824 McAllen	0.09 %	0.19 %	1
735 Lefors	0.12 %	0.12 %	3	826 McCamey	0.12 %	0.12 %	3
739 Leon Valley	0.10 %	0.26 %	3	828 McGregor	0.16 %	0.37 %	3
738 Leonard	0.07 %	0.27 %	3	830 McKinney	0.08 %	0.11 %	3
740 Levelland	0.10 %	0.21 %	3	832 McLean	0.21 %	0.31 %	3
742 Lewisville	0.08 %	0.16 %	1	833 McLendon-Chisholm	0.09 %	0.15 %	3
744 Lexington	0.07 %	0.22 %	1	834 Meadow	0.09 %	0.12 %	3
746 Liberty	0.10 %	0.17 %	1	831 Meadowlakes	0.23 %	0.24 %	3
745 Liberty Hill	0.09 %	0.11 %	3	835 Meadows Place	0.10 %	0.19 %	3
748 Lindale	0.11 %	0.17 %	1	837 Melissa	0.07 %	0.14 %	3
750 Linden	0.11 %	0.38 %	3	1501 Memorial Villages PD	0.09 %	0.24 %	3
749 Lindsay	0.14 %	0.14 %	3	840 Memphis	0.13 %	0.23 %	3
755 Lipan	0.17 %	0.17 %	3	842 Menard	0.12 %	0.25 %	1
751 Little Elm	0.07 %	0.09 %	3	844 Mercedes	0.08 %	0.22 %	3
752 Littlefield	0.11 %	0.38 %	3	846 Meridian	0.10 %	0.13 %	3
753 Live Oak	0.11 %	0.20 %	3	848 Merkel	0.09 %	0.18 %	3
757 Liverpool	0.16 %	0.16 %	3	852 Mertzon	0.10 %	0.26 %	3
754 Livingston	0.12 %	0.26 %	3	854 Mesquite	0.10 %	0.24 %	1
756 Llano	0.15 %	0.49 %	3	856 Mexia	0.10 %	0.30 %	3
758 Lockhart	0.12 %	0.25 %	3	858 Miami	0.32 %	0.32 %	3
760 Lockney	0.28 %	0.28 %	3	860 Midland	0.09 %	0.27 %	3
765 Lone Star	0.09 %	0.27 %	3	862 Midlothian	0.08 %	0.14 %	3
766 Longview	0.11 %	0.31 %	3	863 Milano	0.44 %	0.44 %	3
768 Loraine	0.07 %	0.12 %	3	864 Miles	0.20 %	0.20 %	3
769 Lorena	0.13 %	0.20 %	3	865 Milford	0.05 %	0.36 %	3
770 Lorenzo	0.07 %	0.13 %	1	868 Mineola	0.09 %	0.23 %	3
771 Los Fresnos	0.10 %	0.22 %	3	870 Mineral Wells	0.14 %	0.31 %	3
773 Lott	0.11 %	0.17 %	3	874 Mission	0.10 %	0.16 %	3
774 Lovelady	0.07 %	0.22 %	3	875 Missouri City	0.08 %	0.16 %	3
778 Lubbock	0.10 %	0.30 %	1	876 Monahans	0.11 %	0.22 %	3
779 Lucas	0.09 %	0.10 %	3	887 Mont Belvieu	0.09 %	0.12 %	3
782 Lufkin	0.11 %	0.30 %	3	877 Montgomery	0.09 %	0.15 %	3
784 Luling	0.13 %	0.37 %	3	878 Moody	0.09 %	0.23 %	3
785 Lumberton	0.12 %	0.29 %	3	883 Morgan's Point	0.09 %	0.22 %	2
786 Lyford	0.12 %	0.20 %	1	882 Morgan's Point Resort	0.09 %	0.29 %	3
787 Lytle	0.16 %	0.18 %	3	884 Morton	0.11 %	0.14 %	3
790 Madisonville	0.12 %	0.31 %	3	886 Moulton	0.11 %	0.29 %	3
791 Magnolia	0.09 %	0.22 %	3	890 Mount Enterprise	0.08 %	0.20 %	3
792 Malakoff	0.14 %	0.19 %	3	892 Mt. Pleasant	0.10 %	0.19 %	3
796 Manor	0.09 %	0.10 %	3	894 Mt. Vernon	0.13 %	0.26 %	3
798 Mansfield	0.08 %	0.14 %	3	896 Muenster	0.19 %	0.46 %	1
799 Manvel	0.08 %	0.12 %	3	898 Muleshoe	0.11 %	0.34 %	3
800 Marble Falls	0.09 %	0.22 %	3	901 Munday	0.11 %	0.34 %	3
802 Marfa	0.20 %	0.41 %	3	903 Murphy	0.10 %	0.15 %	3
804 Marion	0.31 %	0.66 %	3	10904 Nacogdoches	0.09 %	0.27 %	3
806 Marlin	0.09 %	0.47 %	3	906 Naples	0.08 %	0.30 %	3
808 Marquez	0.19 %	0.19 %	3	907 Nash	0.10 %	0.27 %	3

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**Section 5**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**CITY CONTRIBUTION RATES FOR 2022**  
**SUPPLEMENTAL DEATH BENEFITS**

<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREES</u>	<u>CODE*</u>	<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREES</u>	<u>CODE*</u>
905 Nassau Bay	0.11 %	0.19 %	3	991 Penitas	0.06 %	0.07 %	3
909 Natalia	0.10 %	0.21 %	3	994 Perryton	0.11 %	0.33 %	3
908 Navasota	0.10 %	0.26 %	3	1000 Pflugerville	0.09 %	0.14 %	3
910 Nederland	0.10 %	0.25 %	1	1002 Pharr	0.08 %	0.18 %	3
912 Needville	0.26 %	0.49 %	3	1004 Pilot Point	0.09 %	0.17 %	3
914 New Boston	0.13 %	0.29 %	3	1005 Pinehurst	0.13 %	0.40 %	3
10916 New Braunfels	0.08 %	0.16 %	3	1003 Pineland	0.07 %	0.39 %	3
20916 New Braunfels Utilities	0.09 %	0.16 %	3	1001 Piney Point Village	0.12 %	0.22 %	3
915 New Deal	0.06 %	0.16 %	1	1006 Pittsburg	0.10 %	0.33 %	3
923 New Fairview	0.04 %	0.19 %	3	1007 Plains	0.13 %	0.22 %	3
918 New London	0.13 %	0.21 %	1	1008 Plainview	0.11 %	0.37 %	1
919 New Summerfield	0.19 %	0.21 %	1	1010 Plano	0.10 %	0.19 %	1
917 New Waverly	0.22 %	0.35 %	3	1012 Pleasanton	0.09 %	0.15 %	3
913 Newark	0.03 %	0.04 %	3	1013 Point	0.05 %	0.15 %	1
920 Newton	0.12 %	0.26 %	3	1017 Ponder	0.29 %	0.43 %	3
922 Nixon	0.09 %	0.25 %	3	1014 Port Aransas	0.10 %	0.21 %	3
924 Nocona	0.17 %	0.40 %	3	11016 Port Arthur	0.13 %	0.31 %	3
925 Nolanville	0.06 %	0.08 %	3	1018 Port Isabel	0.08 %	0.28 %	3
928 Normangee	0.16 %	0.30 %	3	1020 Port Lavaca	0.10 %	0.38 %	3
931 North Richland Hills	0.09 %	0.19 %	1	1022 Port Neches	0.09 %	0.21 %	1
930 Northlake	0.08 %	0.11 %	3	1019 Portland	0.11 %	0.22 %	3
935 O'Donnell	0.07 %	0.25 %	3	1024 Post	0.14 %	0.73 %	3
936 Oak Point	0.08 %	0.11 %	3	1026 Poteet	0.08 %	0.20 %	3
937 Oak Ridge North	0.11 %	0.20 %	3	1028 Poth	0.17 %	0.50 %	3
942 Odem	0.13 %	0.41 %	3	1030 Pottsboro	0.10 %	0.24 %	3
944 Odessa	0.11 %	0.26 %	3	1031 Prairie View	0.11 %	0.12 %	3
945 Oglesby	0.03 %	0.41 %	3	1032 Premont	0.12 %	0.41 %	3
949 Old River-Winfree	0.14 %	0.14 %	1	1029 Presidio	0.12 %	0.19 %	3
950 Olmos Park	0.07 %	0.21 %	1	1033 Primera	0.09 %	0.12 %	3
951 Olney	0.13 %	0.23 %	3	1034 Princeton	0.09 %	0.12 %	3
953 Omaha	0.13 %	0.19 %	3	1036 Prosper	0.09 %	0.10 %	1
954 Onalaska	0.08 %	0.19 %	3	1037 Providence Village	0.08 %	0.10 %	3
958 Orange	0.12 %	0.29 %	1	1042 Quanah	0.10 %	0.38 %	3
960 Orange Grove	0.10 %	0.21 %	3	1045 Queen City	0.17 %	0.17 %	3
959 Ore City	0.10 %	0.16 %	3	1044 Quinlan	0.08 %	0.12 %	3
962 Overton	0.13 %	0.26 %	3	1047 Quintana	0.14 %	0.14 %	3
961 Ovilla	0.10 %	0.18 %	3	1046 Quitaque	0.14 %	0.35 %	3
963 Oyster Creek	0.13 %	0.26 %	3	1048 Quitman	0.13 %	0.38 %	3
964 Paducah	0.11 %	0.48 %	3	1050 Ralls	0.25 %	0.80 %	3
966 Palacios	0.09 %	0.31 %	3	1051 Rancho Viejo	0.07 %	0.11 %	3
968 Palestine	0.08 %	0.31 %	3	1052 Ranger	0.10 %	0.21 %	1
970 Palmer	0.07 %	0.12 %	3	1054 Rankin	0.05 %	0.14 %	3
969 Palmhurst	0.06 %	0.10 %	3	1055 Ransom Canyon	0.18 %	0.21 %	3
971 Palmview	0.06 %	0.07 %	3	1058 Raymondville	0.08 %	0.37 %	3
972 Pampa	0.09 %	0.34 %	3	1061 Red Oak	0.08 %	0.12 %	3
974 Panhandle	0.16 %	0.30 %	1	1062 Redwater	0.10 %	0.11 %	3
973 Panorama Village	0.19 %	0.39 %	3	1064 Refugio	0.11 %	0.30 %	1
975 Pantego	0.11 %	0.22 %	3	1065 Reklaw	0.12 %	0.52 %	3
976 Paris	0.11 %	0.37 %	3	1066 Reno (Lamar County)	0.08 %	0.09 %	3
977 Parker	0.08 %	0.16 %	3	1069 Reno (Parker County)	0.09 %	0.13 %	3
978 Pasadena	0.12 %	0.28 %	3	1067 Rhome	0.10 %	0.16 %	3
983 Pearland	0.07 %	0.11 %	3	1068 Rice	0.09 %	0.15 %	3
984 Pearsall	0.08 %	0.18 %	3	1070 Richardson	0.10 %	0.24 %	1
988 Pecos City	0.11 %	0.21 %	3	1073 Richland Hills	0.08 %	0.32 %	3
989 Pelican Bay	0.09 %	0.09 %	3	1074 Richland Springs	0.03 %	0.68 %	3

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**Section 5**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**CITY CONTRIBUTION RATES FOR 2022**  
**SUPPLEMENTAL DEATH BENEFITS**

<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREES</u>	<u>CODE*</u>	<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREES</u>	<u>CODE*</u>
1076 Richmond	0.11 %	0.19 %	3	1167 Sealy	0.15 %	0.20 %	3
1077 Richwood	0.10 %	0.20 %	3	1168 Seguin	0.09 %	0.25 %	3
1072 Riesel	0.06 %	0.18 %	3	1169 Selma	0.07 %	0.10 %	3
1075 Rio Grande City	0.08 %	0.12 %	3	1170 Seminole	0.16 %	0.29 %	3
1079 Rio Vista	0.08 %	0.14 %	3	1171 Seven Points	0.11 %	0.35 %	3
1080 Rising Star	0.15 %	0.51 %	3	1172 Seymour	0.17 %	0.67 %	3
1082 River Oaks	0.12 %	0.39 %	3	1165 Shady Shores	0.06 %	0.06 %	3
1084 Roanoke	0.08 %	0.10 %	1	1177 Shallowater	0.08 %	0.18 %	3
1088 Robert Lee	0.02 %	0.41 %	3	1174 Shamrock	0.18 %	1.56 %	3
1089 Robinson	0.12 %	0.21 %	3	1173 Shavano Park	0.08 %	0.18 %	3
21090 Robstown	0.07 %	0.19 %	3	1175 Shenandoah	0.09 %	0.15 %	3
11090 Robstown Utility Systems	0.16 %	0.36 %	3	1181 Shepherd	0.10 %	0.23 %	3
1092 Roby	0.08 %	1.61 %	3	1176 Sherman	0.09 %	0.24 %	3
1096 Rockdale	0.18 %	0.37 %	3	1178 Shiner	0.12 %	0.48 %	3
1098 Rockport	0.12 %	0.27 %	3	1179 Shoreacres	0.16 %	0.31 %	3
1100 Rocksprings	0.07 %	0.09 %	1	1180 Silsbee	0.11 %	0.31 %	1
1102 Rockwall	0.09 %	0.14 %	3	1182 Silverton	0.04 %	0.47 %	3
1104 Rogers	0.13 %	0.50 %	1	1183 Simonton	0.03 %	0.03 %	3
1105 Rollingwood	0.15 %	0.25 %	3	1184 Sinton	0.12 %	0.29 %	3
1106 Roma	0.14 %	0.38 %	3	1185 Skellytown	0.06 %	0.06 %	3
1109 Roscoe	0.24 %	0.30 %	3	1186 Slaton	0.11 %	0.36 %	3
1112 Rosebud	0.13 %	0.43 %	3	1188 Smithville	0.13 %	0.35 %	3
1114 Rosenberg	0.06 %	0.12 %	3	1189 Smyer	0.15 %	0.15 %	3
1116 Rotan	0.16 %	0.62 %	3	1190 Snyder	0.12 %	0.33 %	3
1118 Round Rock	0.09 %	0.14 %	3	1191 Somerset	1.26 %	1.73 %	3
1119 Rowlett	0.09 %	0.15 %	1	1192 Somerville	0.12 %	0.42 %	3
1120 Royse City	0.09 %	0.14 %	3	1194 Sonora	0.10 %	0.45 %	3
1122 Rule	0.02 %	0.18 %	3	1196 Sour Lake	0.14 %	0.23 %	3
1123 Runaway Bay	0.14 %	0.27 %	3	1198 South Houston	0.13 %	0.36 %	3
1124 Runge	0.19 %	0.55 %	3	1199 South Padre Island	0.10 %	0.20 %	3
1126 Rusk	0.12 %	0.23 %	3	1197 Southlake	0.09 %	0.14 %	3
1128 Sabinal	0.19 %	0.49 %	3	1200 Southmayd	0.05 %	0.10 %	3
1129 Sachse	0.08 %	0.14 %	3	1202 Southside Place	0.11 %	0.34 %	3
1131 Saginaw	0.10 %	0.18 %	3	1204 Spearman	0.14 %	0.33 %	3
1130 Saint Jo	0.05 %	0.80 %	3	1201 Splendora	0.12 %	0.13 %	3
1133 Salado	0.15 %	0.30 %	3	1205 Spring Valley Village	0.07 %	0.17 %	3
1132 San Angelo	0.11 %	0.36 %	1	1203 Springtown	0.09 %	0.20 %	3
21136 San Antonio	0.11 %	0.30 %	1	1206 Spur	0.15 %	0.28 %	3
11136 San Antonio Water System	0.11 %	0.26 %	1	1207 Stafford	0.10 %	0.22 %	3
1138 San Augustine	0.11 %	0.43 %	3	1208 Stamford	0.18 %	0.68 %	3
1140 San Benito	0.11 %	0.36 %	3	1210 Stanton	0.13 %	0.20 %	3
1144 San Felipe	0.13 %	0.21 %	3	1211 Star Harbor	0.14 %	1.03 %	3
1148 San Juan	0.09 %	0.18 %	3	1212 Stephenville	0.10 %	0.26 %	3
1150 San Marcos	0.09 %	0.16 %	3	1213 Sterling City	0.13 %	0.26 %	1
1152 San Saba	0.17 %	0.33 %	3	1214 Stinnett	0.09 %	0.22 %	3
1146 Sanger	0.09 %	0.14 %	3	1216 Stockdale	0.27 %	0.35 %	3
1153 Sansom Park	0.08 %	0.14 %	3	1218 Stratford	0.15 %	0.31 %	3
1155 Santa Fe	0.10 %	0.22 %	1	1224 Sudan	0.10 %	0.34 %	1
1158 Savoy	0.12 %	0.47 %	3	1225 Sugar Land	0.09 %	0.13 %	3
1159 Schertz	0.08 %	0.14 %	3	1226 Sulphur Springs	0.11 %	0.30 %	3
1160 Schulenburg	0.12 %	0.24 %	3	1228 Sundown	0.12 %	0.41 %	3
1161 Seabrook	0.09 %	0.17 %	3	1229 Sunnyvale	0.09 %	0.19 %	3
1162 Seadrift	0.13 %	0.17 %	3	1230 Sunray	0.09 %	0.32 %	3
1164 Seagoville	0.10 %	0.21 %	3	1227 Sunrise Beach Village	0.06 %	0.21 %	3
1166 Seagraves	0.15 %	0.77 %	3	1231 Sunset Valley	0.08 %	0.13 %	3

**Section 5**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**CITY CONTRIBUTION RATES FOR 2022**  
**SUPPLEMENTAL DEATH BENEFITS**

<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREEES</u>	<u>CODE*</u>	<u>CITY</u> <u>NO. CITY NAME</u>	<u>ACTIVES</u> <u>ONLY</u>	<u>ACTIVES &amp;</u> <u>RETIREEES</u>	<u>CODE*</u>
1233 Surfside Beach	0.13 %	0.18 %	3	1326 Vernon	0.12 %	0.47 %	3
1232 Sweeny	0.09 %	0.50 %	3	1328 Victoria	0.08 %	0.30 %	3
1234 Sweetwater	0.12 %	0.30 %	3	1329 Vidor	0.13 %	0.34 %	3
1264 TMRS	0.12 %	0.17 %	3	1500 Village Fire Department	0.08 %	0.15 %	3
1236 Taft	0.13 %	0.41 %	3	1327 Village of the Hills	0.05 %	0.05 %	3
1238 Tahoka	0.19 %	0.41 %	3	1330 Waco	0.10 %	0.29 %	1
1240 Talty	0.38 %	0.44 %	3	1332 Waelder	0.08 %	0.42 %	3
1241 Tatum	0.08 %	0.20 %	3	1334 Wake Village	0.10 %	0.45 %	3
1246 Taylor	0.10 %	0.23 %	3	1336 Waller	0.22 %	0.36 %	3
1248 Teague	0.07 %	0.33 %	3	1337 Wallis	0.14 %	0.22 %	3
1252 Temple	0.09 %	0.26 %	3	1338 Walnut Springs	0.10 %	0.24 %	3
1254 Tenaha	0.03 %	0.52 %	3	1340 Waskom	0.12 %	0.30 %	3
1256 Terrell	0.10 %	0.27 %	3	1341 Watauga	0.09 %	0.19 %	3
1258 Terrell Hills	0.09 %	0.20 %	3	1342 Waxahachie	0.10 %	0.18 %	3
31263 Tex Municipal League IEBP	0.12 %	0.15 %	3	1344 Weatherford	0.09 %	0.22 %	3
21263 Tex Municipal League IRP	0.13 %	0.18 %	3	1345 Webster	0.14 %	0.24 %	3
21260 Texarkana	0.12 %	0.39 %	1	1346 Weimar	0.11 %	0.35 %	3
11260 Texarkana Police Dept	0.06 %	0.17 %	1	1350 Wellington	0.17 %	0.47 %	3
31260 Texarkana Water Utilities	0.12 %	0.34 %	1	1352 Wells	0.09 %	0.13 %	1
1262 Texas City	0.11 %	0.33 %	1	1354 Weslaco	0.09 %	0.25 %	3
11263 Texas Municipal League	0.11 %	0.24 %	3	1356 West	0.10 %	0.27 %	3
1267 The Colony	0.09 %	0.16 %	3	1358 West Columbia	0.11 %	0.24 %	1
1269 Thompsons	0.18 %	0.18 %	3	1359 West Lake Hills	0.10 %	0.44 %	3
1268 Thorndale	0.17 %	0.34 %	3	1361 West Orange	0.11 %	0.26 %	1
1272 Thrall	0.29 %	0.29 %	3	1365 West Tawakoni	0.08 %	0.36 %	3
1274 Three Rivers	0.39 %	0.52 %	3	1364 West Univ. Place	0.09 %	0.22 %	3
1276 Throckmorton	0.06 %	0.45 %	3	1363 Westlake	0.09 %	0.12 %	3
1277 Tiki Island	0.19 %	0.23 %	3	1362 Westover Hills	0.13 %	0.45 %	3
1278 Timpson	0.10 %	0.36 %	3	1366 Westworth Village	0.11 %	0.23 %	3
1280 Tioga	0.13 %	0.13 %	3	1368 Wharton	0.14 %	0.24 %	3
1283 Tolar	0.05 %	0.20 %	3	1370 Wheeler	0.07 %	0.23 %	3
1286 Tom Bean	0.09 %	0.17 %	3	1372 White Deer	0.34 %	1.04 %	3
1284 Tomball	0.10 %	0.22 %	3	1377 White Oak	0.12 %	0.31 %	3
1290 Trent	0.29 %	0.67 %	3	1378 White Settlement	0.08 %	0.21 %	3
1292 Trenton	0.13 %	0.35 %	3	1374 Whiteface	0.16 %	1.20 %	3
1293 Trinidad	0.20 %	0.39 %	3	1375 Whitehouse	0.09 %	0.23 %	3
1294 Trinity	0.26 %	0.44 %	3	1376 Whitesboro	0.13 %	0.22 %	3
1295 Trophy Club	0.11 %	0.17 %	3	1380 Whitewright	0.05 %	0.26 %	3
1296 Troup	0.11 %	0.39 %	3	1382 Whitney	0.12 %	0.22 %	3
1297 Troy	0.26 %	0.44 %	3	1384 Wichita Falls	0.12 %	0.37 %	1
1298 Tulia	0.09 %	0.29 %	3	1386 Willis	0.09 %	0.22 %	3
1299 Turkey	0.14 %	0.81 %	3	1387 Willow Park	0.08 %	0.11 %	3
1300 Tuscola	0.12 %	0.12 %	3	1388 Wills Point	0.08 %	0.43 %	3
1301 Tye	0.08 %	0.20 %	3	1390 Wilmer	0.08 %	0.12 %	3
1304 Tyler	0.10 %	0.31 %	3	1392 Wimberley	0.17 %	0.30 %	3
1305 Universal City	0.09 %	0.17 %	3	1393 Windcrest	0.11 %	0.20 %	3
1306 University Park	0.12 %	0.24 %	1	1395 Winfield	0.24 %	0.24 %	3
1308 Uvalde	0.09 %	0.23 %	3	1396 Wink	0.17 %	0.24 %	3
1312 Valley Mills	0.11 %	0.11 %	3	1398 Winnsboro	0.12 %	0.25 %	3
1313 Valley View	0.11 %	0.13 %	3	1399 Winona	0.15 %	0.47 %	3
1314 Van	0.12 %	0.30 %	3	1400 Winters	0.06 %	0.73 %	3
1316 Van Alstyne	0.11 %	0.21 %	3	1403 Wolfforth	0.08 %	0.15 %	3
1318 Van Horn	0.13 %	0.27 %	3	1409 Woodcreek	0.22 %	0.50 %	3
1320 Vega	0.14 %	0.40 %	3	1404 Woodsboro	0.14 %	0.18 %	3
1324 Venus	0.08 %	0.17 %	1	1406 Woodville	0.12 %	0.29 %	3

**Section 5  
TEXAS MUNICIPAL RETIREMENT SYSTEM  
CITY CONTRIBUTION RATES FOR 2022  
SUPPLEMENTAL DEATH BENEFITS**

CITY <u>NO.</u> <u>CITY NAME</u>	ACTIVES <u>ONLY</u>	ACTIVES & <u>RETIREEES</u>	<u>CODE*</u>	CITY <u>NO.</u> <u>CITY NAME</u>	ACTIVES <u>ONLY</u>	ACTIVES & <u>RETIREEES</u>	<u>CODE*</u>
1407	Woodway	0.09 %	0.18 %	3			
1408	Wortham	0.05 %	0.09 %	3			
1410	Wylie	0.08 %	0.12 %	3			
1412	Yoakum	0.14 %	0.34 %	3			
1414	Yorktown	0.13 %	0.60 %	3			
1415	Zavalla	0.07 %	0.09 %	1			

\*Codes indicating provision adopted as of April 1, 2021: 1 = None, 2 = Actives only, 3 = Actives and Retirees

## **SECTION 6**

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### **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. For cities with twenty or more employees new experience losses are amortized over individual periods of not more than 25 years. Beginning December 31, 2020, new loss bases for cities with fifteen or more employees will be 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 110% 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 20 member threshold. For example, an employer with 8 active members and a current maximum amortization period of 25 will use  $(25 - (20 - 8)) = 13$  year amortization period for the gain or loss in that year's valuation. Under this policy, the lowest amortization period will be  $25 - (20 - 1) = 6$  years. Once the plan is overfunded, the amortization period will revert back to the standard policy. Beginning December 31, 2020, the member threshold will be lowered to 15 to be consistent with the decrease in the standard amortization period to 20.

- 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. Due to the significant reserve in the Supplemental Death Benefit Fund, the SDB rate for active coverage is equal to the expected term cost minus a credit of 2% of the fund balance as of the valuation date, expressed as a percentage of covered payroll for the participating employers.

#### **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

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### 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 employee'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 deposit 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 (employee 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 employee, 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 employee's accumulated contributions based on the city's matching rate in effect at the time the employee 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 deposit 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 employee'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 deposits and interest. A member 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 12/31/2020 Valuation

CITY	Changes
Anson	1) Increased city matching ratio from 1 - 1 to 1.5 - 1. 2) Increased statutory max to 9.50% due to plan changes.
Arp	1) Adopted 20 yr, any age retirement eligibility. 2) Increased employee contribution rate from 5% to 7%. 3) Increased statutory max to 9.50% due to plan changes.
Athens	Adopted buy-back provision. *
Ballinger	1) Increased city matching ratio from 1 - 1 to 2 - 1. 2) Increased statutory max to 11.50% due to plan changes.
Bedford	1) Adopted supplemental death benefits for actives. 2) Adopted 50% repeating USC with transfer. 3) Adopted restricted prior service credit. *
Belton	1) Increased employee contribution rate from 6% to 7%. 2) Increased statutory max to 13.50% due to plan changes.
Blooming Grove	Removed statutory max.
Brenham	Granted 70% ad hoc COLA.
Bronte	1) Increased employee contribution rate from 6% to 7%. 2) Rescinded 50% repeating USC.
Burkburnett	Adopted 5 year vesting.
Crockett	1) Increased employee contribution rate from 5% to 7%. 2) Removed statutory max.
De Leon	1) Granted 50% ad hoc USC. 2) Granted 30% ad hoc COLA.
Edna	Adopted 5 year vesting.
Fredericksburg	Increased employee contribution rate from 6% to 7%.
Fritch	Adopted restricted prior service credit. *
Granbury	Adopted buy-back provision. *
Grandview	1) Increased city matching ratio from 1.5 - 1 to 2 - 1. 2) Increased statutory max to 13.50% due to plan changes.
Hickory Creek	Removed statutory max.
Hooks	Removed statutory max.
Hurst	Granted 30% ad hoc COLA.
Iowa Colony	1) Granted 100% ad hoc USC. 2) Increased employee contribution rate from 5% to 7%.
Jacinto City	1) Increased city matching ratio from 1.5 - 1 to 2 - 1. 2) Removed statutory max.
Josephine	Increased city matching ratio from 1.5 - 1 to 2 - 1.
Kemp	1) Adopted supplemental death benefits for actives and retirees. 2) Increased employee contribution rate from 5% to 7%. 3) Increased statutory max to 13.50% due to plan changes.
Killeen	1) Adopted 100% repeating USC. 2) Removed statutory max.
La Grange	Adopted restricted prior service credit. *
Lakeside City	Increased city matching ratio from 1 - 1 to 2 - 1.
McLendon-Chisholm	1) Increased employee contribution rate from 5% to 7%. 2) Increased city matching ratio from 1 - 1 to 2 - 1.
Meadows Place	1) Granted 100% ad hoc USC. 2) Granted 70% ad hoc COLA.
Mesquite	Granted 50% ad hoc COLA.
Mineola	1) Increased employee contribution rate from 5% to 7%. 2) Increased statutory max to 13.50% due to plan changes.
Missouri City	1) Granted 100% ad hoc USC with transfer. 2) Granted 70% ad hoc COLA.

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

## Section 7

### Texas Municipal Retirement System

#### Summary of Benefit Provision Changes Reflected in 12/31/2020 Valuation

CITY	Changes
Montgomery	1) Adoped supplemental death benefits for actives and retirees. 2) Adopted 50% repeating USC with transfer. 3) Adopted 50% repeating COLA. 4) Adopted restricted prior service credit. *
Nassau Bay	Decreased repeating COLA from 70% to 30%.
Navasota	Added transfer provision to repeating USC.
Onalaska	Adopted 20 yr, any age retirement eligibility.
Port Neches	Granted 30% ad hoc COLA.
Quintana	Increased city matching ratio from 1 - 1 to 2 - 1.
Rankin	1) Granted 100% ad hoc USC with transfer. 2) Increased employee contribution rate from 5% to 6%. 3) Increased city matching ratio from 1 - 1 to 1.5 - 1. 4) Removed statutory max.
Robstown Utility Systems	Increased city matching ratio from 1.5 - 1 to 2 - 1.
San Antonio	Granted 70% ad hoc COLA.
Santa Fe	Increased city matching ratio from 1.5 - 1 to 2 - 1.
Shavano Park	Removed statutory max.
Simonton	Adopted restricted prior service credit. *
Stratford	Increased employee contribution rate from 5% to 7%.
Sudan	1) Granted 100% ad hoc USC with transfer. 2) Granted 70% ad hoc COLA.
Sulphur Springs	Granted 100% ad hoc USC with transfer.
Sunset Valley	Decreased repeating USC from 100% to 50%.
Tahoka	Granted 100% ad hoc USC.
Tex Municipal League IEBP	Adopted 100% repeating USC.
Village Fire Department	Increased city matching ratio from 1.5 - 1 to 2 - 1.
Weslaco	1) Granted 50% ad hoc USC with transfer. 2) Granted 30% ad hoc COLA.
Westlake	Adopted restricted prior service credit. *
Wilmer	1) Increased employee contribution rate from 6% to 7%. 2) Increased statutory max to 13.50% due to plan changes.
Woodcreek	Increased employee contribution rate from 5% to 7%.

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

## **SECTION 8**

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### **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 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 actuarially determined contribution 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 actuarially determined contributions 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 Actuarially Determined Contributions (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
2020	89.5%	13.32%	89.5%	13.32%	89.5%	13.32%
2021	90.2%	13.28%	90.4%	13.20%	90.6%	13.13%
2022	90.6%	13.34%	91.3%	13.09%	91.9%	12.87%
2023	90.9%	13.48%	92.1%	12.99%	93.3%	12.52%
2024	91.0%	13.68%	93.0%	12.86%	94.9%	12.05%
2025	90.8%	13.90%	93.8%	12.66%	96.8%	11.41%

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 and 2020. 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 pay 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**

	2020	2019
Ratio of the market value of assets to payroll	4.7	4.6
Ratio of actuarial accrued liability to payroll	5.2	5.2
Ratio of actives to retirees and beneficiaries	1.6	1.6
Net cash flow as a percentage of market value of assets	0.2%	-0.4%
Duration of liabilities	17.8	17.5
Average Change in Contribution Rate with 10% decline in assets (smoothed)	0.33%	0.28
Average Change in Contribution Rate with 10% decline in assets (unsmoothed)	3.30%	2.80%

**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 4.0 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 5.0 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 ACTIVES TO RETIREES AND BENEFICIARIES:** A young plan with many active members and few retirees will have a high ratio of active to retirees. A mature open plan may have close to the same number of



actives to retirees resulting in a ratio near 1.0. A super-mature or closed plan may have significantly more retirees than actives resulting in a ratio below 1.0.

**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 super-mature plan or a need for additional contributions.

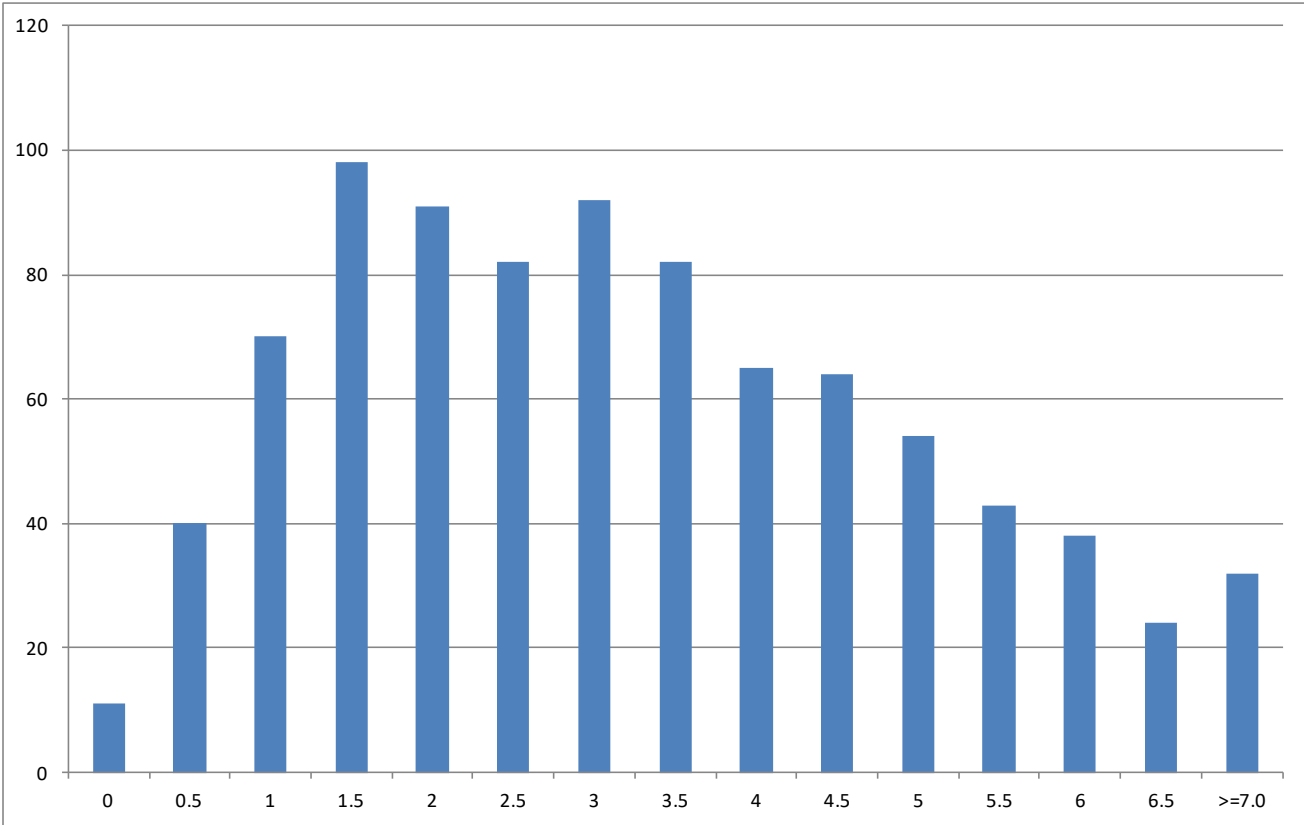
**DURATION OF LIABILITIES:** The duration of the present value of future benefits may be used to approximate the sensitivity to a 1% change in the assumed rate of return. For example, duration of 10 indicates that the present value of future benefits would increase approximately 10% if the assumed rate 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.

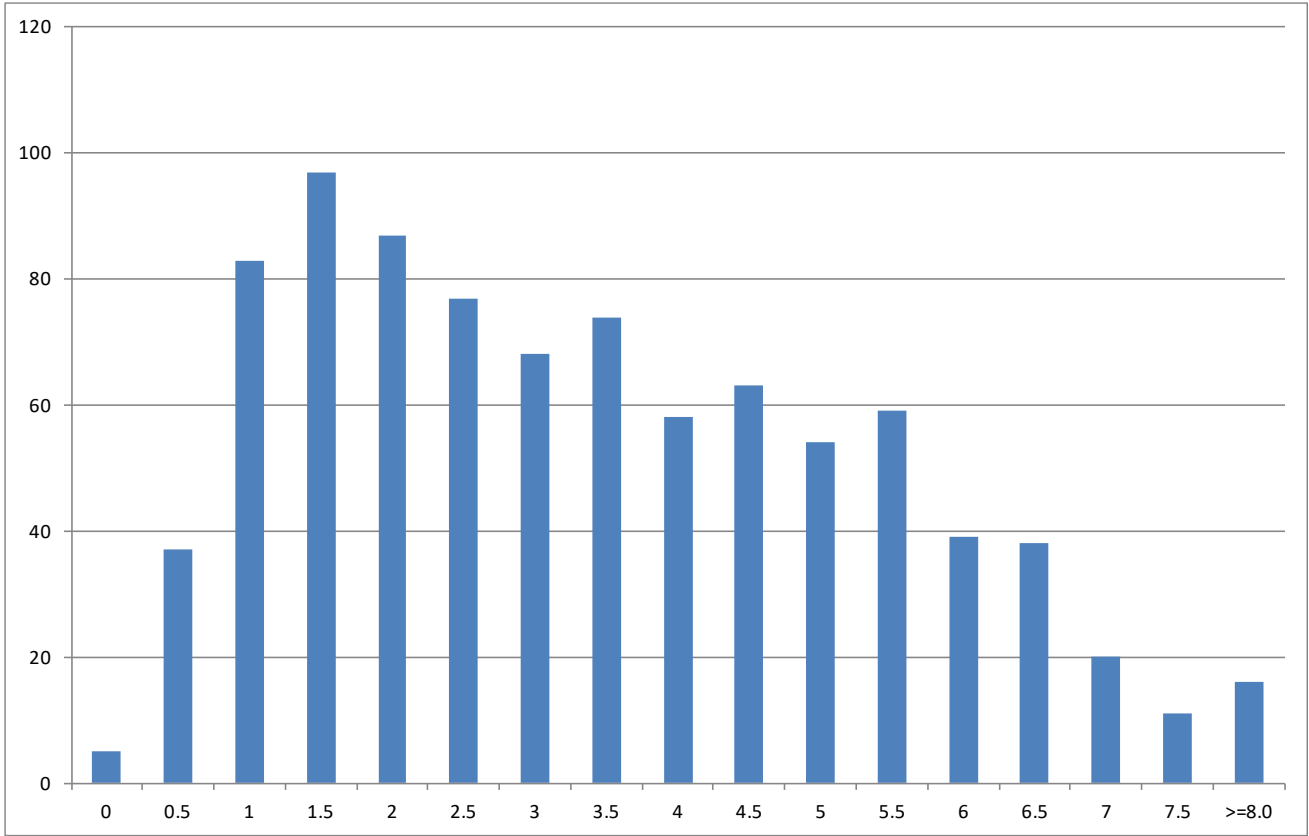
**CHANGE IN CONTRIBUTION RATE WITH 10% DECLINE IN ASSETS (UNSMOOTHED):** This shows the rate impact if the actuarial value of assets was 10% lower than in the current actuarial valuation with the full asset loss recognized in the current valuation.

# Distribution of Measures

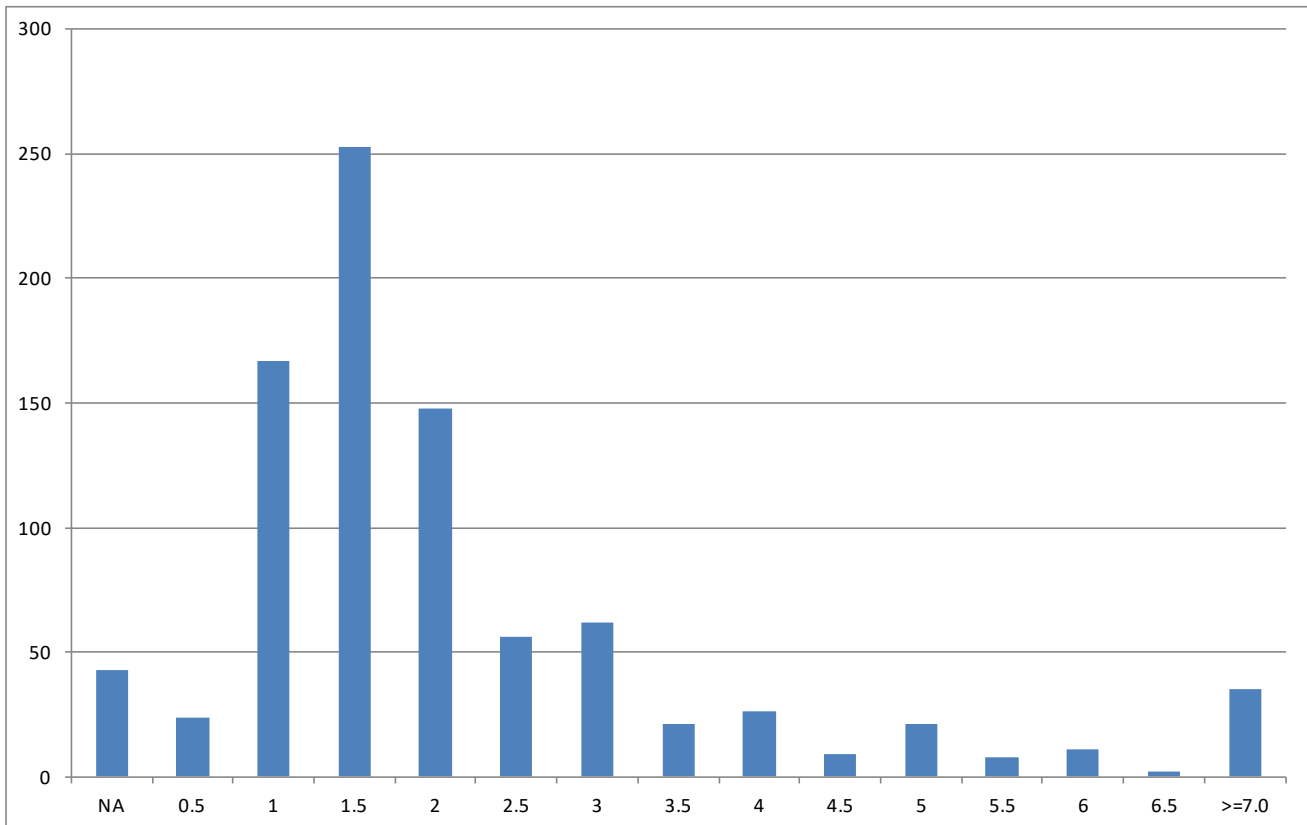
## Ratio of the Market Value of Assets to Payroll



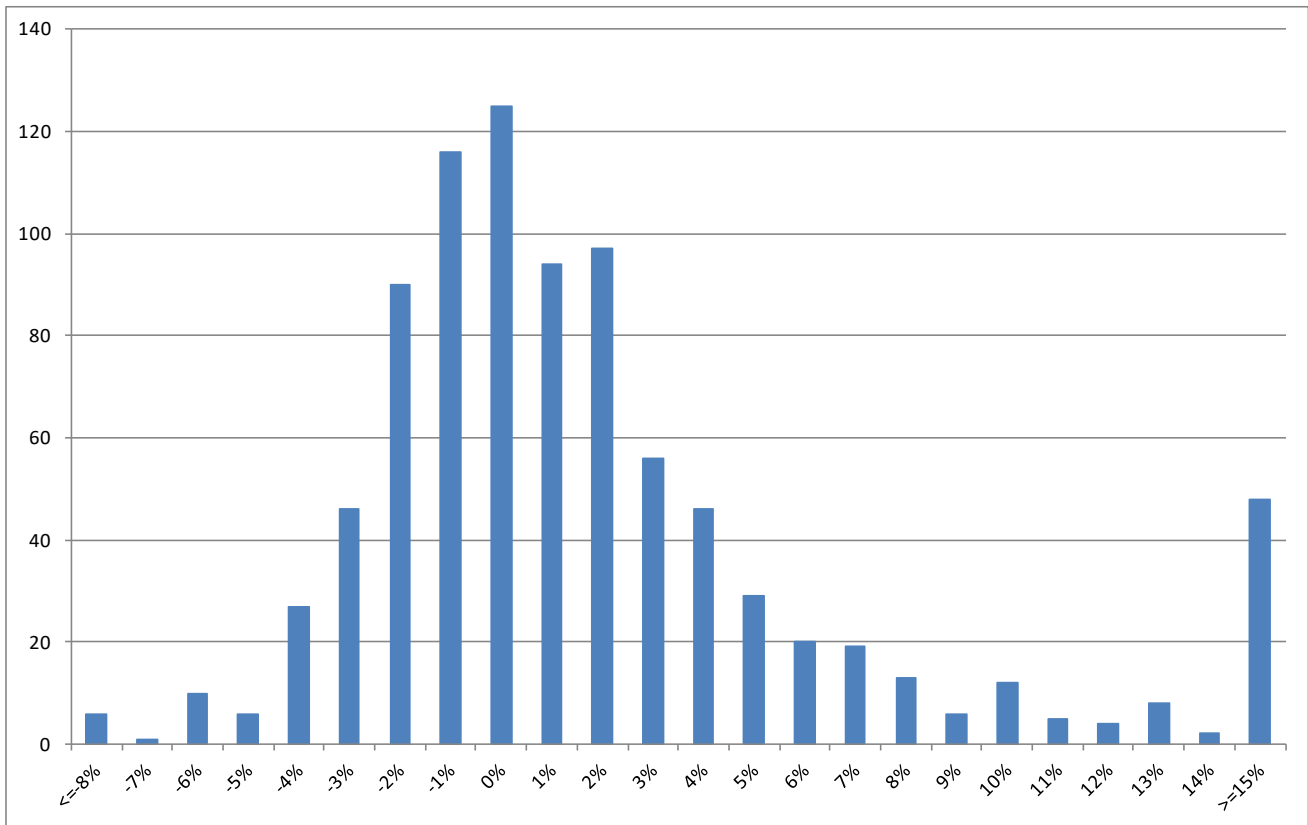
## Distribution of Measures Ratio of Actuarial Accrued Liability to Payroll



## Distribution of Measures Ratio of Actives to Retirees and Beneficiaries



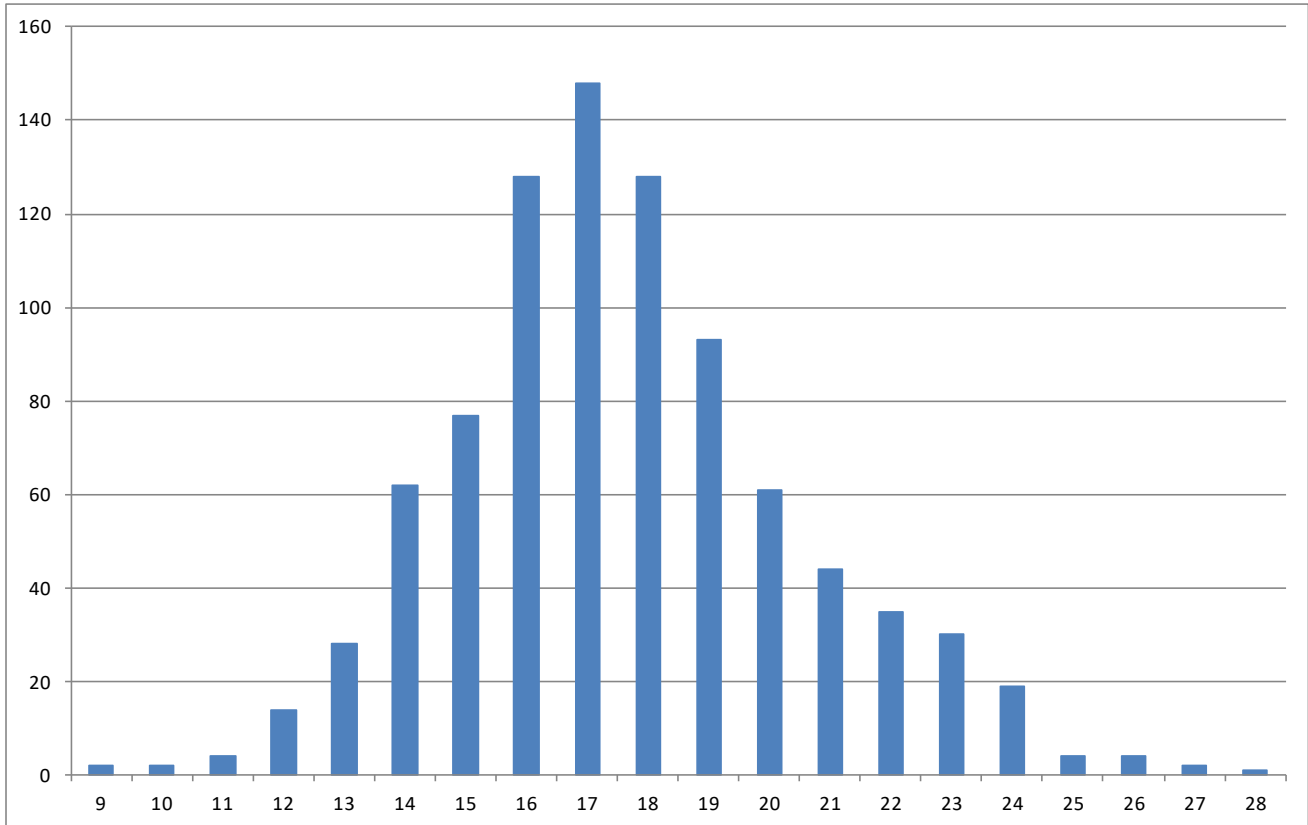
## Distribution of Changes Net Cash Flow as a Percentage of Market Value of Assets





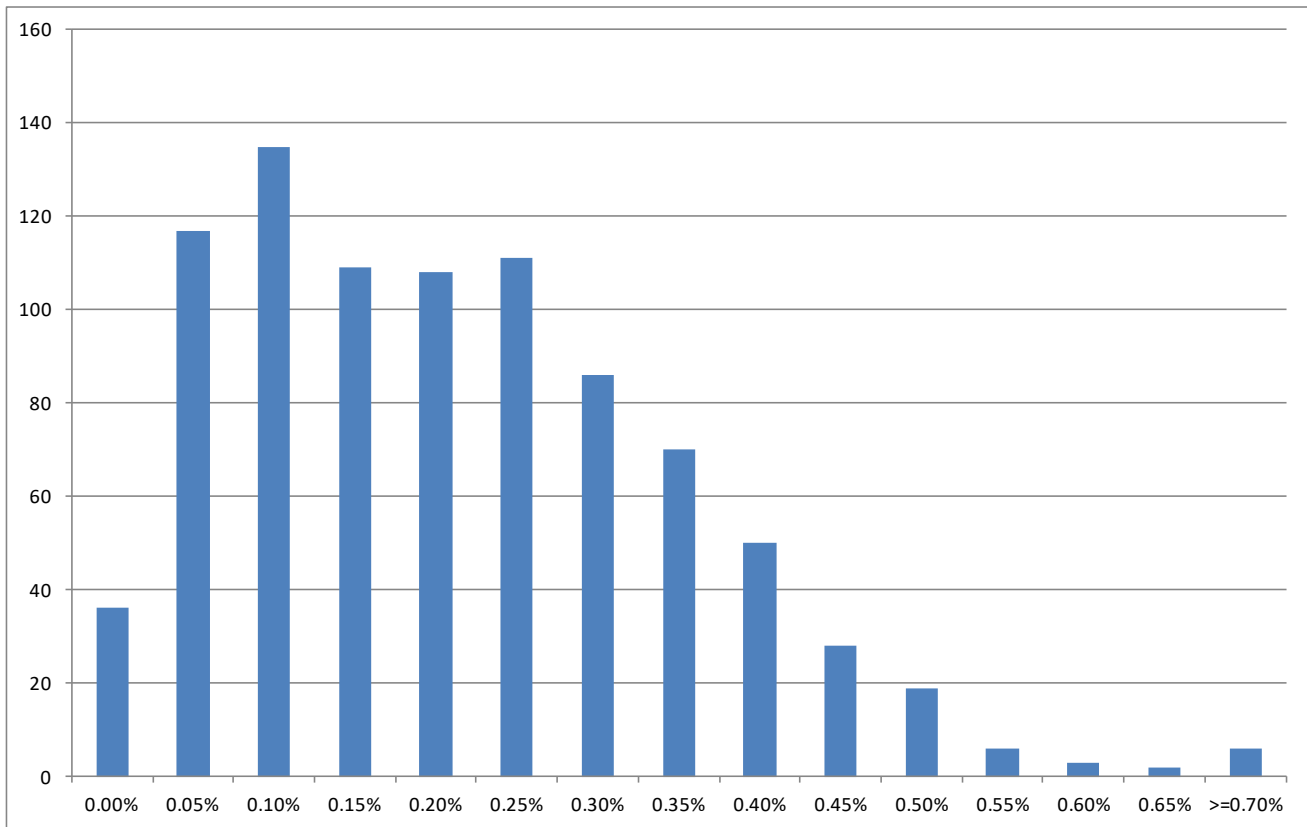
## Distribution of Measures

### Duration of Liabilities



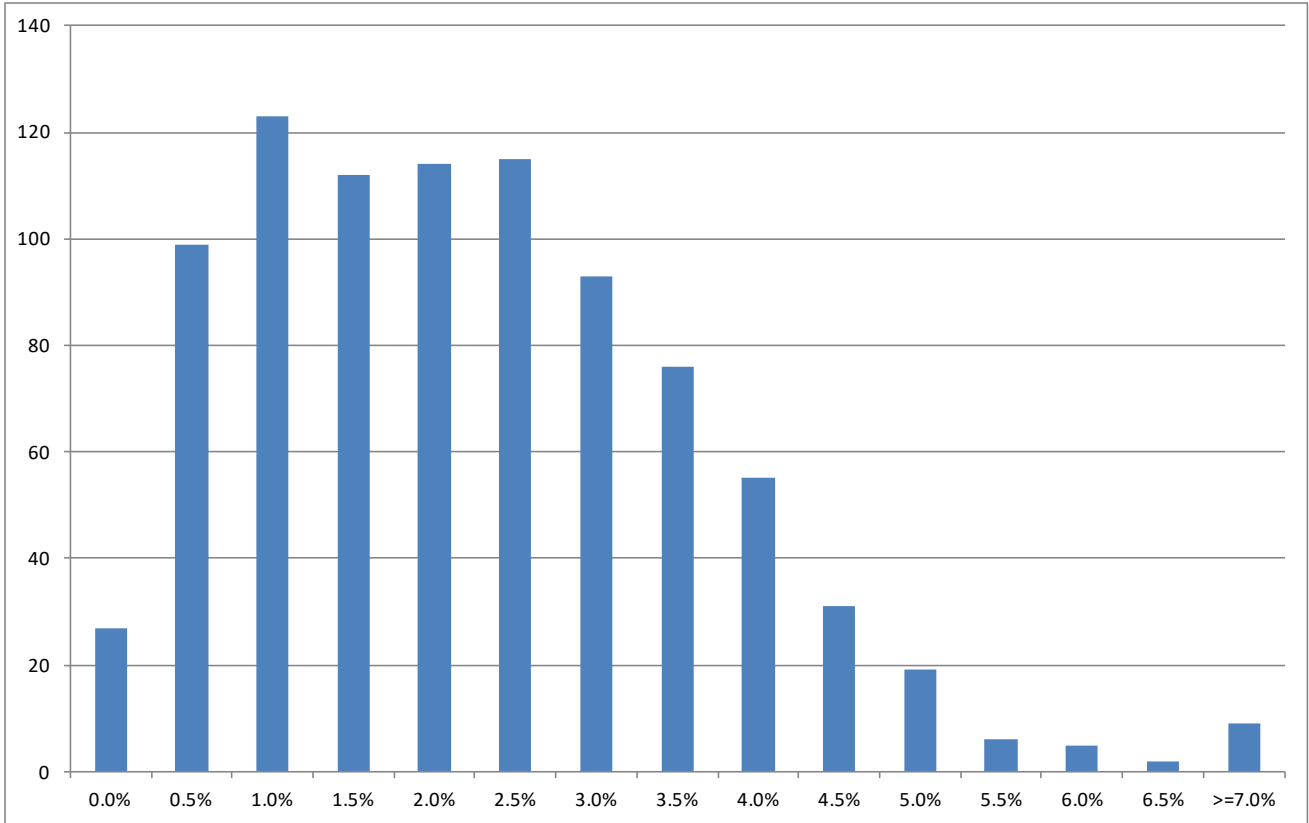
## Distribution of Changes

### 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	2.0	2.1	2.7	0.4%	15.6	0.14%	1.43%
6	Abilene	5.3	5.6	1.2	-2.5%	15.5	0.38%	3.77%
7	Addison	6.2	6.4	1.2	-2.7%	16.5	0.43%	4.32%
8	Agua Dulce	0.5	0.8	NA	25.3%	15.4	0.07%	0.67%
10	Alamo	2.2	2.3	2.9	1.2%	19.9	0.15%	1.54%
12	Alamo Heights	4.3	5.3	1.1	0.0%	18.1	0.30%	3.01%
14	Alba	1.9	2.5	5.0	8.7%	14.8	0.23%	2.25%
16	Albany	1.7	1.8	1.5	1.7%	14.0	0.12%	1.17%
17	Aledo	1.6	2.1	1.6	9.4%	19.4	0.13%	1.26%
18	Alice	4.9	4.5	1.1	-3.4%	16.0	0.17%	2.40%
19	Allen	4.1	4.6	2.8	2.8%	20.0	0.29%	2.90%
20	Alpine	2.5	2.0	2.5	-2.1%	16.6	0.09%	0.92%
22	Alto	2.6	2.5	1.3	1.7%	24.2	0.10%	1.88%
23	Alton	1.9	2.0	4.0	6.6%	23.0	0.13%	1.34%
24	Alvarado	1.5	1.6	4.3	6.1%	20.9	0.11%	1.08%
26	Alvin	5.6	6.3	1.6	0.4%	17.3	0.39%	3.86%
28	Alvord	1.7	1.7	2.3	5.8%	19.1	0.18%	1.76%
30	Amarillo	5.3	5.7	1.4	-2.5%	15.5	0.36%	3.58%
32	Amherst	2.0	1.0	2.5	0.6%	19.0	0.08%	0.79%
34	Anahuac	2.2	1.9	2.8	1.7%	18.9	0.09%	1.03%
36	Andrews	5.2	6.0	1.9	-0.6%	17.1	0.36%	3.60%
38	Angleton	3.7	4.0	1.7	-0.9%	17.3	0.26%	2.58%
40	Anna	1.5	1.7	5.8	10.3%	24.5	0.11%	1.09%
41	Annetta	0.9	1.0	NA	16.9%	17.7	0.15%	1.51%
44	Anson	1.7	1.5	3.4	-3.6%	16.6	0.06%	0.61%
45	Anthony	1.0	1.2	3.4	1.9%	18.7	0.07%	0.74%
48	Arapas Pass	2.8	3.1	2.2	0.6%	19.4	0.20%	2.00%
50	Archer City	1.5	1.6	3.0	4.3%	14.5	0.10%	1.02%
49	Arcola	0.4	0.5	14.0	16.8%	16.5	0.03%	0.28%
51	Argyle	3.3	3.3	1.8	4.6%	19.5	0.21%	2.13%
52	Arlington	7.2	7.2	1.3	9.8%	17.3	0.51%	5.06%
54	Arp	2.2	2.1	1.6	0.0%	17.2	0.14%	2.12%
60	Aspermont	2.2	1.8	3.5	-0.6%	15.0	0.00%	0.67%
62	Athens	4.6	5.4	1.4	-0.8%	17.6	0.31%	3.14%
64	Atlanta	2.6	2.7	1.7	-0.8%	15.8	0.19%	1.90%
66	Aubrey	1.2	1.1	3.7	9.7%	24.2	0.09%	0.88%
74	Avinger	2.6	2.3	NA	3.4%	11.3	0.10%	0.95%
75	Azle	3.2	3.7	1.5	2.5%	19.6	0.23%	2.31%
77	Baird	1.7	1.5	2.2	-1.8%	15.9	0.06%	0.63%
78	Balch Springs	3.6	4.2	1.6	2.8%	20.3	0.25%	2.49%
79	Balcones Heights	5.6	5.3	0.9	-1.3%	15.7	0.21%	3.23%
80	Ballinger	3.1	3.5	1.1	-4.5%	15.9	0.22%	2.20%
82	Balморhea	1.5	1.1	NA	3.2%	18.8	0.00%	0.46%
83	Bandera	3.1	2.9	1.7	1.7%	17.7	0.12%	1.95%
84	Bangs	4.6	4.3	1.3	-1.6%	15.0	0.17%	2.62%
90	Bartlett	2.7	2.3	1.9	2.9%	20.8	0.10%	0.96%
91	Bartonville	2.3	2.9	1.0	4.0%	17.6	0.20%	2.03%
92	Bastrop	2.6	3.0	2.0	2.7%	18.8	0.19%	1.90%
94	Bay City	4.5	4.9	1.3	-1.8%	15.8	0.32%	3.20%
93	Bayou Vista	1.3	1.1	1.4	1.8%	20.2	0.05%	0.48%
96	Baytown	5.0	5.8	1.7	0.4%	18.7	0.35%	3.50%
98	Beaumont	6.9	7.8	1.1	-1.6%	15.9	0.50%	5.03%
100	Bedford	1.5	2.9	3.8	7.3%	20.8	0.11%	1.07%
101	Bee Cave	2.1	2.3	4.8	5.9%	21.3	0.15%	1.47%
102	Beeville	3.2	2.6	1.3	-2.7%	15.9	0.12%	1.21%
106	Bellaire	6.8	7.8	1.1	-1.1%	16.0	0.48%	4.77%
109	Bellmead	4.2	3.8	2.0	-1.2%	18.1	0.16%	1.96%
110	Bells	1.1	0.9	2.0	6.0%	22.8	0.05%	0.43%
112	Bellville	4.3	5.3	1.2	0.0%	15.8	0.30%	2.99%
114	Belton	2.8	3.2	1.9	1.0%	19.2	0.20%	1.96%
118	Benbrook	6.0	6.5	1.5	-0.6%	18.2	0.41%	4.07%
121	Berryville	1.4	1.4	1.3	1.0%	12.8	0.05%	1.55%
123	Bertram	1.1	1.1	2.8	5.8%	20.8	0.08%	0.77%
124	Big Lake	4.4	5.7	2.3	0.6%	17.5	0.30%	2.97%
126	Big Sandy	2.3	2.4	1.3	-4.4%	13.6	0.19%	1.87%
128	Big Spring	5.1	6.0	1.0	-1.4%	16.5	0.40%	4.00%
132	Bishop	3.3	3.2	1.4	-2.1%	14.9	0.13%	2.17%
134	Blanco	1.0	1.0	3.1	7.2%	21.7	0.05%	0.70%
140	Blooming Grove	2.8	3.1	2.5	1.4%	17.9	0.32%	3.19%
142	Blossom	4.5	4.2	1.0	-0.8%	15.1	0.18%	4.03%
143	Blue Mound	0.9	0.9	2.9	5.7%	22.3	0.06%	0.62%
144	Blue Ridge	0.9	0.7	6.0	3.6%	23.3	0.03%	0.33%
148	Boerne	3.6	4.6	2.8	2.3%	19.2	0.26%	2.59%
150	Bogata	1.3	1.0	3.0	1.5%	19.5	0.05%	0.47%
152	Bonham	3.6	3.9	1.9	0.3%	17.1	0.25%	2.51%
154	Booker	2.1	2.1	5.0	2.8%	18.9	0.19%	1.95%
156	Borger	5.1	5.6	1.8	-0.3%	17.2	0.36%	3.57%
158	Bovina	1.3	1.1	3.7	-4.0%	19.6	0.04%	0.48%
160	Bowie	4.5	4.7	1.2	-0.5%	17.2	0.33%	3.29%
162	Boyd	1.6	1.5	2.6	3.8%	20.1	0.06%	1.01%

**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	2.6	2.7	1.6	2.5%	18.0	0.18%	1.83%
170	Brazoria	4.3	4.2	1.2	-1.1%	16.4	0.16%	2.80%
172	Breckenridge	3.8	4.0	1.2	-3.9%	15.4	0.27%	2.72%
174	Bremond	3.2	3.4	6.0	6.5%	15.9	0.35%	3.53%
176	Brenham	4.2	4.5	1.3	-1.9%	15.8	0.29%	2.91%
177	Bridge City	5.2	5.8	1.0	-0.4%	16.3	0.38%	3.75%
178	Bridgeport	3.5	4.0	1.5	1.0%	20.0	0.27%	2.67%
180	Bronte	3.2	3.6	3.0	3.0%	12.0	0.48%	4.82%
182	Brookshire	3.2	3.4	3.2	2.5%	17.5	0.24%	2.40%
184	Brownfield	5.9	5.3	1.6	-3.4%	15.4	0.21%	2.19%
186	Brownsboro	0.6	1.4	8.0	12.6%	15.0	0.06%	0.57%
10188	Brownsville	6.0	6.6	1.6	-0.7%	18.4	0.42%	4.22%
20188	Brownsville PUB	5.7	6.5	1.9	-0.3%	17.7	0.40%	4.01%
10190	Brownwood	4.9	5.3	1.5	-0.9%	16.9	0.34%	3.40%
30190	Brownwood Health Dept.	3.2	3.6	1.0	0.4%	17.6	0.26%	2.56%
20190	Brownwood Public Library	2.4	2.0	2.7	-2.4%	15.3	0.09%	0.87%
195	Bruceville-Eddy	2.6	2.4	1.5	0.1%	19.1	0.09%	1.19%
192	Bryan	6.0	5.9	1.4	13.8%	18.0	0.43%	4.30%
193	Bryson	7.3	5.0	3.0	-2.9%	14.5	0.00%	0.78%
194	Buda	1.8	2.1	6.9	9.8%	21.8	0.13%	1.32%
196	Buffalo	2.5	2.3	1.6	-0.9%	12.5	0.09%	1.25%
198	Bullard	1.8	2.2	4.3	7.9%	19.5	0.13%	1.26%
203	Bulverde	1.9	2.0	2.2	4.4%	21.3	0.13%	1.29%
199	Bunker Hill Village	5.4	5.3	1.4	0.0%	12.8	0.57%	5.71%
200	Burkburnett	4.4	4.8	1.3	-2.7%	15.4	0.31%	3.07%
202	Burleson	3.8	4.5	2.1	2.0%	19.6	0.28%	2.75%
204	Burnet	3.7	4.2	1.6	0.2%	19.0	0.26%	2.61%
205	Byers	0.1	1.3	NA	100.0%	21.2	0.00%	0.04%
207	Cactus	1.0	1.0	4.9	7.4%	23.5	0.07%	0.69%
208	Caddo Mills	0.9	0.9	6.0	11.1%	20.9	0.06%	0.64%
210	Caldwell	5.3	5.3	1.9	-1.6%	14.2	0.36%	3.59%
212	Calvert	0.9	0.7	2.2	1.8%	15.8	0.03%	0.33%
214	Cameron	2.7	3.1	1.2	-1.0%	16.0	0.19%	1.89%
216	Campbell	1.9	3.0	NA	24.3%	14.1	0.30%	3.01%
220	Canadian	4.3	5.5	2.0	1.2%	18.1	0.29%	2.89%
221	Caney City	0.4	0.3	NA	16.4%	22.2	0.02%	0.15%
222	Canton	3.9	4.2	2.1	2.3%	17.0	0.27%	2.68%
224	Canyon	5.5	5.8	1.9	-2.5%	17.4	0.37%	3.73%
227	Carmine	2.9	2.1	1.0	1.0%	20.6	0.10%	1.12%
228	Carrizo Springs	3.1	3.1	1.9	-3.6%	14.3	0.21%	2.06%
230	Carrollton	7.3	7.4	1.1	-1.7%	16.5	0.52%	5.15%
232	Carthage	7.2	8.1	1.2	-2.2%	15.3	0.52%	5.20%
231	Castle Hills	5.1	5.6	1.1	-1.2%	17.4	0.35%	3.53%
234	Castroville	2.7	2.9	1.2	0.2%	16.9	0.20%	1.97%
238	Cedar Hill	4.5	5.0	1.7	0.9%	19.0	0.32%	3.20%
239	Cedar Park	2.8	3.4	3.0	5.2%	21.6	0.20%	2.02%
240	Celeste	0.6	0.7	5.0	16.3%	14.1	0.07%	0.74%
242	Celina	1.0	0.9	7.9	13.0%	23.8	0.04%	0.67%
244	Center	4.4	4.6	1.7	0.2%	19.0	0.30%	2.99%
246	Centerville	4.6	5.0	5.0	5.3%	12.6	0.54%	5.39%
247	Chandler	0.9	1.1	3.0	7.2%	16.4	0.06%	0.61%
248	Charlotte	2.2	1.7	8.0	2.1%	17.1	0.09%	0.84%
249	Chester	14.6	12.8	NA	0.8%	9.0	0.15%	5.82%
245	Chico	2.3	2.4	1.0	-0.7%	11.3	0.27%	2.70%
250	Childress	4.2	5.2	1.3	-0.6%	17.5	0.30%	2.99%
251	Chillicothe	0.9	1.1	NA	22.0%	14.5	0.10%	0.96%
253	Chireno	5.8	7.3	1.5	-0.8%	16.1	0.62%	6.17%
254	Christine	1.5	1.2	0.5	0.1%	22.9	0.00%	0.38%
255	Cibolo	2.1	2.3	3.8	6.6%	22.4	0.15%	1.47%
256	Cisco	2.8	2.8	1.9	0.5%	17.5	0.20%	1.99%
258	Clarendon	2.0	1.7	1.4	-0.9%	12.0	0.08%	0.76%
259	Clarksville	4.6	3.6	1.0	-2.6%	17.4	0.18%	1.78%
260	Clarksville City	7.7	7.0	0.6	-5.9%	13.7	0.26%	4.63%
263	Clear Lake Shores	2.2	2.4	3.6	0.7%	20.6	0.15%	1.52%
264	Cleburne	5.5	6.4	1.2	-2.2%	16.0	0.38%	3.77%
266	Cleveland	2.8	3.3	1.9	1.2%	18.8	0.21%	2.11%
268	Clifton	2.3	2.2	1.5	-2.2%	14.8	0.09%	1.26%
271	Clute	4.5	4.4	1.4	-1.3%	18.2	0.24%	3.19%
272	Clyde	3.2	3.7	1.9	1.5%	19.0	0.24%	2.35%
274	Coahoma	3.7	3.6	1.3	-0.5%	14.2	0.14%	3.95%
276	Cockrell Hill	4.2	3.9	1.6	0.1%	20.5	0.15%	2.18%
278	Coleman	5.9	6.5	0.9	-2.2%	14.9	0.43%	4.32%
280	College Station	5.1	5.6	1.7	-0.4%	18.4	0.35%	3.46%
281	Colleyville	4.6	4.7	1.2	-0.6%	17.8	0.32%	3.22%
282	Collinsville	1.6	1.6	1.2	-0.4%	17.4	0.16%	1.65%
283	Colmesneil	2.0	2.2	4.0	5.0%	19.4	0.26%	2.62%
284	Colorado City	4.4	4.1	1.2	-1.1%	14.8	0.16%	2.38%
286	Columbus	4.7	4.9	1.2	-0.7%	16.4	0.33%	3.27%
288	Comanche	2.7	2.9	1.3	-6.5%	14.5	0.20%	1.99%
289	Combes	0.4	1.1	19.0	21.6%	19.4	0.03%	0.27%

**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)
290	Commerce	4.3	4.4	1.0	-0.8%	18.0	0.31%	3.14%
294	Conroe	4.2	4.9	2.4	1.8%	19.2	0.30%	3.00%
295	Converse	3.4	3.9	2.3	0.4%	20.1	0.24%	2.42%
298	Cooper	3.2	3.4	1.6	-2.6%	13.0	0.25%	2.48%
299	Coppell	5.4	5.9	1.5	0.6%	18.8	0.37%	3.72%
297	Copper Canyon	2.3	2.3	0.8	5.2%	13.0	0.32%	3.24%
300	Copperas Cove	4.8	5.3	1.1	-1.1%	17.9	0.34%	3.37%
301	Corinth	3.8	4.3	1.7	3.3%	20.8	0.27%	2.67%
302	Corpus Christi	5.9	6.7	1.1	-2.1%	15.2	0.41%	4.13%
304	Corrigan	1.7	1.6	1.8	0.2%	16.6	0.06%	1.07%
306	Corsicana	6.2	6.8	0.9	-1.5%	15.6	0.47%	4.71%
307	Cottonwood Shores	0.1	0.9	NA	100.0%	21.6	0.00%	0.02%
308	Cotulla	1.4	1.6	2.8	4.0%	17.0	0.10%	0.98%
310	Crandall	2.8	2.7	2.2	4.2%	21.1	0.10%	1.83%
312	Crane	4.9	4.5	1.5	-2.2%	15.8	0.19%	2.46%
314	Crawford	0.9	0.7	5.0	-5.6%	22.3	0.03%	0.32%
315	Creedmoor	0.1	0.9	NA	100.0%	14.3	0.00%	0.04%
316	Crockett	4.8	5.4	0.9	-3.0%	17.0	0.36%	3.61%
318	Crosbyton	4.1	3.3	1.0	-4.9%	13.9	0.16%	1.54%
320	Cross Plains	3.7	3.8	3.0	1.4%	16.2	0.32%	3.18%
321	Cross Roads	0.6	0.7	12.0	21.9%	25.6	0.05%	0.49%
322	Crowell	0.2	0.5	8.0	41.4%	21.7	0.02%	0.23%
323	Crowley	2.9	3.3	1.8	2.4%	20.3	0.22%	2.17%
324	Crystal City	3.0	2.4	2.3	-1.4%	14.7	0.11%	1.10%
326	Cuero	3.1	3.4	1.6	0.5%	18.4	0.21%	2.15%
328	Cumby	0.8	0.8	2.0	2.8%	17.7	0.06%	0.60%
332	Daingerfield	3.4	3.3	1.3	-0.4%	15.5	0.24%	2.42%
334	Daisetta	1.8	1.5	3.5	2.1%	15.4	0.06%	0.67%
336	Dalhart	3.3	3.0	1.8	-2.7%	16.0	0.12%	1.75%
339	Dalworthington Gardens	4.4	5.6	1.7	2.0%	19.5	0.32%	3.21%
340	Danbury	1.9	2.1	2.5	0.4%	16.1	0.24%	2.40%
341	Darrouzett	2.6	2.7	3.0	-3.5%	11.5	0.36%	3.59%
344	Dayton	1.8	1.8	2.0	2.4%	18.5	0.13%	1.27%
352	De Leon	1.4	1.5	2.2	-0.7%	14.3	0.11%	1.08%
10366	DeSoto	5.2	5.4	1.2	-0.8%	17.4	0.37%	3.67%
346	Decatur	4.2	4.7	1.6	0.6%	17.9	0.30%	3.00%
348	Deer Park	6.3	6.6	1.5	-0.8%	17.5	0.45%	4.47%
350	Dekalb	2.1	1.9	1.0	-0.1%	17.1	0.08%	0.87%
354	Del Rio	1.6	2.0	3.4	2.5%	18.0	0.11%	1.05%
353	Dell City	11.3	11.8	1.0	-6.4%	12.4	1.94%	19.42%
356	Denison	5.6	5.9	1.4	-2.4%	15.5	0.38%	3.80%
358	Denton	4.5	5.2	1.6	-0.1%	18.4	0.33%	3.34%
360	Denver City	6.7	6.7	1.3	-3.0%	13.9	0.50%	4.99%
362	Deport	0.9	0.9	4.0	-0.4%	14.0	0.09%	0.91%
370	Devine	2.5	3.9	2.5	6.4%	18.0	0.17%	1.71%
371	Diboll	6.2	6.7	0.9	-1.6%	17.6	0.48%	4.84%
372	Dickens	1.2	1.0	NA	3.8%	22.2	0.05%	0.45%
373	Dickinson	3.5	3.8	2.4	1.5%	17.1	0.25%	2.52%
374	Dilley	1.7	2.0	1.6	5.3%	19.0	0.12%	1.15%
376	Dimmitt	5.6	4.8	1.2	-2.8%	15.2	0.22%	2.15%
382	Donna	1.6	2.1	4.0	7.9%	20.4	0.12%	1.15%
379	Double Oak	1.4	1.5	2.0	4.7%	19.7	0.12%	1.20%
383	Dripping Springs	0.6	0.7	35.0	18.2%	22.6	0.04%	0.44%
385	Driscoll	1.0	0.9	NA	0.2%	18.2	0.03%	0.74%
384	Dublin	2.5	2.8	1.4	3.0%	19.8	0.19%	1.86%
386	Dumas	3.3	3.9	1.6	1.9%	18.4	0.23%	2.32%
388	Duncanville	6.6	6.5	1.0	-3.8%	14.5	0.44%	4.45%
394	Eagle Lake	4.4	4.5	1.4	-0.9%	15.5	0.31%	3.05%
396	Eagle Pass	4.1	4.2	2.2	-1.0%	18.4	0.30%	2.95%
397	Early	2.1	2.0	3.0	-0.2%	18.2	0.14%	1.46%
399	Earth	1.0	1.2	1.4	-4.1%	14.8	0.11%	1.12%
393	East Bernard	0.6	0.7	5.0	15.5%	20.0	0.07%	0.71%
401	East Mountain	5.8	5.5	1.0	-0.6%	19.7	0.22%	6.81%
395	East Tawakoni	2.1	2.0	2.8	0.3%	15.8	0.08%	1.19%
398	Eastland	2.9	3.1	1.7	0.7%	17.7	0.20%	1.96%
402	Ector	1.5	1.4	4.0	3.9%	13.3	0.06%	1.32%
406	Eden	5.1	4.7	0.6	-4.9%	14.7	0.20%	3.40%
408	Edgewood	1.2	1.3	1.4	6.0%	17.6	0.09%	0.93%
410	Edinburg	3.4	4.1	3.0	2.3%	20.2	0.24%	2.40%
412	Edna	5.6	5.9	1.0	-1.0%	15.5	0.41%	4.07%
414	El Campo	4.5	5.4	1.5	-1.4%	17.1	0.32%	3.18%
416	Eldorado	3.3	3.6	2.4	-1.5%	16.0	0.23%	2.31%
418	Electra	2.0	2.0	1.1	-3.5%	13.6	0.14%	1.44%
420	Elgin	2.9	3.3	2.2	2.4%	18.4	0.20%	2.00%
422	Elkhart	2.4	2.4	1.6	-0.2%	14.0	0.17%	2.36%
427	Elimendorf	0.5	0.4	13.0	6.0%	23.7	0.02%	0.31%
432	Emory	1.9	2.0	2.0	3.3%	16.8	0.13%	1.33%
436	Ennis	5.9	6.4	1.3	-0.9%	18.0	0.41%	4.10%
437	Escobares	0.1	0.3	NA	100.0%	23.5	0.02%	0.19%
439	Eules	7.3	7.8	1.3	-1.1%	17.5	0.50%	5.03%

**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)
440	Eustace	1.9	2.1	1.3	2.7%	18.4	0.19%	1.87%
441	Everman	2.9	3.0	2.2	0.1%	17.9	0.21%	2.12%
443	Fair Oaks Ranch	2.4	2.6	3.6	5.5%	22.4	0.17%	1.65%
442	Fairfield	3.9	3.7	1.5	-0.7%	15.9	0.14%	2.23%
445	Fairview	2.0	2.2	9.4	8.4%	22.2	0.14%	1.40%
20444	Falfurrias	1.9	1.9	1.4	-1.0%	14.6	0.09%	1.29%
446	Falls City	1.8	1.9	NA	8.0%	16.4	0.25%	2.46%
448	Farmers Branch	8.5	9.3	1.1	-2.5%	16.1	0.60%	5.97%
450	Farmersville	2.6	2.8	1.6	2.2%	17.7	0.19%	1.91%
451	Farwell	3.6	4.0	2.3	-0.9%	16.7	0.38%	3.79%
452	Fate	1.3	1.3	5.2	12.5%	24.1	0.09%	0.87%
454	Fayetteville	1.2	1.3	4.0	4.3%	14.1	0.16%	1.58%
456	Ferris	1.8	1.7	1.4	1.0%	18.5	0.12%	1.35%
458	Flatonia	5.4	5.6	1.5	0.2%	17.6	0.37%	3.66%
460	Florence	1.3	1.3	3.0	3.6%	21.6	0.05%	0.89%
20462	Floresville	2.5	2.7	1.7	2.2%	18.9	0.17%	1.69%
463	Flower Mound	3.5	3.9	2.4	2.3%	19.3	0.25%	2.50%
464	Floydada	5.1	5.5	1.0	-2.4%	15.5	0.34%	3.40%
465	Follett	0.2	3.0	NA	100.0%	17.6	0.01%	0.05%
468	Forest Hill	4.4	4.7	1.0	1.1%	19.4	0.31%	3.11%
470	Forney	2.4	2.7	5.2	5.5%	24.1	0.17%	1.71%
472	Fort Stockton	2.9	3.2	1.7	-0.4%	18.0	0.20%	2.00%
476	Franklin	1.3	1.2	2.3	0.7%	20.9	0.04%	0.71%
478	Frankston	1.1	1.0	3.0	2.2%	18.6	0.04%	0.74%
480	Fredericksburg	4.5	6.0	1.5	0.9%	17.1	0.31%	3.09%
482	Freeport	3.6	4.3	1.5	1.3%	19.1	0.26%	2.62%
481	Freer	2.0	2.5	1.6	-3.0%	16.7	0.14%	1.36%
483	Friendswood	4.9	5.5	1.6	0.5%	18.1	0.34%	3.43%
484	Friona	5.6	5.7	1.5	-1.6%	16.3	0.40%	4.00%
486	Frisco	3.1	3.4	5.4	5.2%	22.7	0.21%	2.10%
487	Fritch	3.7	2.4	2.0	-0.3%	20.5	0.13%	1.35%
488	Frost	2.6	3.0	0.8	-3.7%	10.1	0.35%	3.52%
491	Fulshear	0.7	0.7	20.7	19.1%	24.1	0.05%	0.49%
493	Fulton	2.0	2.5	1.2	3.3%	15.1	0.21%	2.09%
492	Gainesville	3.7	4.4	1.4	-0.2%	17.6	0.26%	2.63%
494	Galena Park	4.9	5.1	1.5	-0.3%	17.6	0.33%	3.30%
498	Ganado	8.1	7.8	0.8	0.2%	13.3	0.30%	6.97%
499	Garden Ridge	2.1	2.3	1.4	2.5%	17.5	0.15%	1.46%
500	Garland	6.3	6.5	1.3	-2.3%	15.5	0.45%	4.46%
502	Garrison	4.8	3.9	1.5	-4.0%	16.2	0.19%	1.93%
503	Gary	2.1	2.3	2.0	2.5%	18.8	0.27%	2.71%
504	Gatesville	4.6	5.1	1.6	0.2%	17.5	0.32%	3.16%
505	George West	1.2	1.3	3.4	4.7%	17.9	0.08%	0.85%
506	Georgetown	3.2	3.6	3.1	2.8%	20.4	0.22%	2.24%
510	Giddings	4.8	5.5	1.5	0.5%	15.6	0.35%	3.46%
512	Gilmer	4.6	5.1	1.1	-1.1%	17.3	0.31%	3.08%
514	Gladewater	3.1	3.2	1.2	-0.7%	18.0	0.20%	2.03%
516	Glen Rose	3.6	4.0	1.0	0.9%	17.7	0.25%	2.47%
517	Glenn Heights	2.2	1.8	1.2	-0.1%	18.5	0.09%	0.88%
518	Godley	0.8	0.9	2.0	7.4%	20.5	0.07%	0.67%
519	Goldsmith	1.5	1.4	NA	5.6%	14.3	0.14%	1.75%
520	Goldthwaite	7.6	8.7	1.1	-0.8%	13.8	0.67%	6.69%
522	Goliad	2.9	2.6	1.6	0.4%	16.1	0.12%	1.25%
524	Gonzales	3.5	4.0	1.8	-0.8%	17.7	0.25%	2.52%
527	Gordon	0.2	0.2	NA	42.4%	25.8	0.02%	0.18%
530	Gorman	0.6	1.1	NA	16.7%	18.1	0.06%	0.62%
532	Graford	1.0	1.1	NA	7.5%	15.6	0.15%	1.51%
10534	Graham	4.1	4.6	1.0	-3.0%	16.4	0.29%	2.89%
536	Granbury	4.2	5.0	1.5	1.7%	17.9	0.30%	3.00%
540	Grand Prairie	5.8	6.4	1.6	-0.9%	18.3	0.40%	3.96%
542	Grand Saline	3.1	3.2	1.4	0.2%	17.4	0.24%	2.41%
544	Grandview	2.3	2.3	1.4	2.0%	19.3	0.15%	1.51%
546	Granger	1.4	1.2	0.8	4.3%	16.2	0.05%	0.53%
547	Granite Shoals	0.9	0.9	3.2	8.0%	20.3	0.04%	0.61%
548	Grapeland	2.3	2.3	1.3	-3.2%	17.2	0.18%	1.85%
550	Grapevine	6.0	6.7	1.3	-0.3%	17.4	0.41%	4.11%
552	Greenville	6.1	6.4	1.0	-2.4%	15.0	0.42%	4.19%
551	Gregory	1.4	1.0	6.5	3.6%	20.6	0.06%	0.54%
553	Grey Forest	4.8	5.6	1.4	0.2%	17.0	0.34%	3.43%
556	Groesbeck	1.4	1.6	1.9	2.1%	16.0	0.11%	1.08%
558	Groom	1.5	1.5	0.8	-0.9%	13.8	0.06%	1.76%
559	Groves	6.0	6.0	0.9	-4.8%	15.2	0.44%	4.37%
560	Groveton	1.4	1.4	4.5	3.9%	14.0	0.06%	1.20%
562	Gruver	5.2	5.4	1.3	0.3%	12.4	0.62%	6.18%
563	Gun Barrel City	2.1	1.9	2.0	2.1%	18.5	0.08%	0.93%
564	Gunter	0.8	0.6	2.2	8.2%	22.3	0.03%	0.29%
568	Hale Center	1.0	1.1	5.5	5.4%	18.9	0.08%	0.82%
570	Hallettsville	5.3	5.7	1.4	-0.7%	15.9	0.37%	3.69%
572	Hallsville	0.7	0.9	3.8	4.2%	17.3	0.05%	0.53%
574	Haltom City	6.7	7.6	1.1	-0.8%	17.4	0.47%	4.72%

**Section 8**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
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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)
576	Hamilton	3.7	4.3	1.2	-0.4%	17.4	0.26%	2.59%
578	Hamlin	4.9	4.9	1.4	-4.3%	14.1	0.34%	3.38%
580	Happy	6.5	5.8	2.0	1.5%	14.8	0.25%	3.29%
581	Harker Heights	4.1	4.7	2.3	1.8%	19.6	0.27%	2.73%
10582	Harlingen	10.8	10.8	0.4	-4.4%	12.8	1.27%	12.71%
20582	Harlingen Waterworks Sys	4.6	4.5	0.8	-4.0%	13.5	0.19%	4.70%
583	Hart	1.1	1.3	4.0	6.3%	21.0	0.14%	1.42%
586	Haskell	2.7	1.9	1.8	-0.3%	16.0	0.00%	0.04%
587	Haslet	2.2	2.2	4.0	6.1%	18.4	0.16%	1.57%
588	Hawkins	5.9	5.2	0.6	-0.9%	14.2	0.22%	2.33%
585	Hays	3.3	3.2	0.3	-1.8%	11.9	0.74%	7.35%
590	Hearne	3.4	4.1	2.0	1.8%	18.1	0.24%	2.42%
591	Heath	2.8	3.1	2.2	2.7%	19.5	0.20%	2.02%
592	Hedley	3.9	3.5	1.0	-0.5%	11.7	0.16%	1.68%
595	Hedwig Village	2.8	2.9	1.5	-0.2%	14.7	0.20%	1.97%
593	Helotes	2.2	2.3	3.4	3.4%	19.8	0.15%	1.49%
594	Hemphill	2.9	3.3	1.2	-3.6%	12.9	0.21%	2.09%
596	Hempstead	3.5	3.7	2.4	0.5%	15.0	0.25%	2.46%
598	Henderson	4.9	5.7	1.7	0.2%	19.5	0.33%	3.31%
600	Henrietta	3.8	4.6	1.2	1.3%	16.5	0.28%	2.75%
602	Hereford	4.1	4.4	1.8	-0.7%	17.5	0.28%	2.82%
605	Hewitt	3.9	4.5	2.7	2.1%	20.0	0.28%	2.77%
609	Hickory Creek	2.9	3.4	1.6	3.6%	22.9	0.22%	2.23%
606	Hico	2.6	2.6	1.3	0.4%	17.8	0.21%	2.06%
607	Hidalgo	3.9	4.2	2.8	2.0%	19.2	0.27%	2.71%
608	Higgins	3.4	3.2	1.0	-3.6%	11.6	0.12%	3.36%
610	Highland Park	5.9	6.0	1.0	-4.1%	14.6	0.43%	4.23%
611	Highland Village	4.2	4.6	1.7	2.1%	19.1	0.30%	2.98%
613	Hill Country Village	2.7	2.6	3.0	1.3%	17.6	0.10%	1.57%
612	Hillsboro	3.9	4.4	1.3	0.3%	17.7	0.29%	2.91%
619	Hilshire Village	1.0	1.1	2.0	12.9%	16.5	0.18%	1.82%
614	Hitchcock	2.3	2.1	1.2	-3.2%	15.3	0.09%	1.31%
615	Holland	2.6	2.1	1.3	-14.4%	12.6	0.10%	0.93%
616	Holliday	2.4	2.2	9.0	3.2%	16.1	0.08%	1.72%
617	Hollywood Park	3.0	3.3	1.7	2.1%	19.0	0.20%	2.03%
618	Hondo	3.4	3.5	1.5	-1.5%	18.1	0.24%	2.44%
620	Honey Grove	3.7	3.6	1.4	-1.3%	15.9	0.29%	2.85%
622	Hooks	3.0	3.6	2.2	-0.8%	17.6	0.21%	2.12%
623	Horizon City	0.3	0.8	76.0	32.9%	24.9	0.02%	0.23%
626	Howe	3.1	2.9	1.9	0.4%	16.6	0.11%	1.76%
627	Hubbard	1.4	1.3	2.2	1.9%	20.0	0.05%	0.94%
628	Hudson	1.6	1.6	4.0	4.3%	16.5	0.13%	1.31%
629	Hudson Oaks	2.9	3.0	1.8	5.4%	23.5	0.20%	1.96%
630	Hughes Springs	8.3	7.4	2.8	-0.8%	14.3	0.30%	3.34%
632	Humble	4.8	5.2	1.6	0.0%	18.7	0.34%	3.42%
633	Hunters Creek Village	2.1	2.9	0.8	2.6%	15.9	0.23%	2.28%
634	Huntington	4.3	4.9	1.5	0.5%	17.3	0.30%	3.02%
636	Huntsville	5.4	6.5	1.2	-1.0%	16.0	0.39%	3.90%
637	Hurst	6.3	6.6	1.2	-2.7%	16.1	0.44%	4.44%
638	Hutchins	2.3	2.4	2.3	2.8%	21.9	0.17%	1.66%
640	Hutto	2.3	2.2	3.7	6.5%	23.0	0.09%	1.50%
641	Huxley	3.0	2.5	1.5	-1.8%	15.1	0.11%	1.09%
642	Idalou	1.2	1.2	NA	5.5%	23.3	0.05%	0.81%
643	Ingleside	2.8	2.7	1.9	0.5%	16.9	0.11%	2.00%
646	Ingram	1.6	1.7	1.2	1.9%	18.6	0.12%	1.17%
647	Iowa Colony	0.8	0.8	8.5	11.7%	22.1	0.06%	0.61%
644	Iowa Park	4.9	5.2	1.4	0.7%	17.1	0.34%	3.43%
645	Iraan	4.6	5.6	1.2	-0.2%	12.9	0.51%	5.09%
648	Irving	6.6	7.0	1.4	-1.5%	16.3	0.46%	4.63%
650	Italy	0.7	0.8	1.8	0.9%	16.9	0.05%	0.48%
652	Itasca	3.6	3.3	1.9	0.1%	17.9	0.14%	1.69%
654	Jacinto City	3.0	3.5	2.7	1.7%	16.2	0.20%	1.96%
656	Jacksboro	3.7	4.2	1.7	-1.3%	18.3	0.25%	2.51%
658	Jacksonville	4.7	5.1	1.1	-1.3%	17.5	0.34%	3.40%
660	Jasper	4.3	4.5	1.5	-1.7%	14.2	0.30%	3.05%
664	Jefferson	3.4	2.9	1.3	-1.4%	14.1	0.12%	1.22%
665	Jersey Village	4.0	4.5	1.5	0.7%	18.1	0.29%	2.90%
666	Jewett	4.4	5.0	1.7	-1.9%	15.5	0.55%	5.46%
668	Joaquin	1.3	1.7	0.7	-6.0%	12.4	0.14%	1.37%
670	Johnson City	2.9	3.2	2.0	1.8%	18.2	0.21%	2.06%
673	Jones Creek	1.1	1.3	2.0	4.3%	18.3	0.10%	0.98%
675	Jonestown	1.4	1.4	2.2	7.3%	17.9	0.10%	0.97%
677	Josephine	0.9	1.0	NA	24.3%	24.2	0.07%	0.68%
671	Joshua	2.5	2.4	3.9	2.2%	18.1	0.09%	1.44%
672	Jourdanton	2.3	2.3	1.9	1.1%	16.6	0.16%	1.57%
674	Junction	3.6	3.7	1.5	0.5%	16.5	0.27%	2.69%
676	Justin	1.2	1.3	5.0	10.2%	23.1	0.08%	0.80%
678	Karnes City	2.3	2.7	2.4	2.3%	19.0	0.16%	1.59%
680	Katy	3.3	3.6	3.3	2.3%	21.7	0.23%	2.29%
682	Kaufman	4.2	4.7	1.2	1.0%	17.5	0.29%	2.94%



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683	Keene	4.3	4.6	1.6	-1.5%	18.4	0.29%	2.93%
681	Keller	5.1	5.9	1.6	0.5%	18.5	0.37%	3.71%
685	Kemah	3.0	2.9	1.2	-1.4%	18.0	0.12%	2.03%
684	Kemp	1.5	1.7	1.8	3.4%	20.7	0.11%	1.06%
689	Kempner	0.1	0.1	NA	100.0%	27.3	0.00%	0.01%
686	Kenedy	1.3	1.4	4.1	1.0%	19.1	0.09%	0.87%
688	Kennedale	4.2	4.6	1.4	2.1%	20.4	0.30%	3.00%
690	Kerens	0.7	1.3	11.0	20.8%	19.1	0.06%	0.59%
692	Kermit	3.8	4.7	1.8	1.9%	16.3	0.28%	2.82%
10694	Kerrville	4.5	4.8	1.2	-0.6%	17.4	0.32%	3.20%
20694	Kerrville PUB	7.1	7.4	1.2	-0.8%	16.5	0.50%	5.01%
10696	Kilgore	5.3	5.7	1.1	-1.9%	16.9	0.37%	3.75%
698	Killeen	3.9	4.6	1.5	-1.3%	16.7	0.28%	2.79%
700	Kingsville	5.5	5.6	1.3	-1.7%	16.5	0.38%	3.78%
701	Kirby	3.6	4.0	1.6	1.7%	19.9	0.25%	2.54%
702	Kirbyville	2.0	2.3	1.3	-3.1%	15.0	0.15%	1.49%
704	Knox City	2.3	2.0	1.0	-0.2%	14.1	0.09%	0.85%
706	Kosse	0.3	0.2	5.0	29.7%	25.8	0.01%	0.15%
708	Kountze	1.1	1.0	4.8	2.5%	18.0	0.07%	0.73%
709	Kress	11.3	7.8	0.5	-4.8%	13.1	0.00%	0.00%
699	Krugerville	1.2	1.3	3.0	10.4%	19.8	0.12%	1.18%
707	Krum	1.1	1.0	5.1	12.2%	23.0	0.07%	0.80%
710	Kyle	2.1	2.4	6.3	7.1%	23.8	0.15%	1.48%
725	La Coste	1.5	1.4	2.0	3.0%	14.4	0.06%	0.76%
714	La Feria	3.1	3.8	1.8	1.3%	17.6	0.21%	2.07%
716	La Grange	5.6	6.0	1.4	-1.1%	15.4	0.39%	3.93%
723	La Grulla	2.3	1.7	2.7	0.8%	20.9	0.09%	0.94%
732	La Joya	0.7	1.2	4.7	6.3%	18.1	0.05%	0.50%
721	La Marque	3.4	4.0	1.3	1.9%	20.2	0.25%	2.55%
728	La Porte	6.4	6.9	1.5	-1.0%	16.7	0.47%	4.65%
731	La Vernia	0.7	0.8	5.3	15.3%	20.9	0.05%	0.50%
711	Lacy-Lakeview	3.8	4.3	2.0	2.4%	20.1	0.27%	2.70%
712	Ladonia	2.1	1.5	1.0	-0.5%	18.2	0.09%	0.83%
713	Lago Vista	2.4	2.5	2.5	1.3%	17.2	0.17%	1.75%
705	Laguna Vista	1.3	1.1	16.0	-3.6%	17.1	0.05%	0.48%
717	Lake Dallas	4.7	4.9	0.8	-0.1%	17.7	0.30%	2.96%
718	Lake Jackson	5.6	5.8	1.5	-1.7%	16.4	0.39%	3.90%
719	Lake Worth	3.8	4.6	1.9	2.6%	20.6	0.26%	2.64%
727	Lakeport	2.3	1.6	6.0	1.8%	19.5	0.09%	0.84%
715	Lakeside	1.9	2.2	3.8	9.0%	17.2	0.13%	1.30%
729	Lakeside City	1.1	1.1	1.7	3.5%	18.1	0.12%	1.24%
720	Lakeway	3.2	3.8	1.7	3.6%	19.6	0.22%	2.18%
722	Lamesa	4.7	4.4	1.3	-5.0%	13.7	0.17%	2.49%
724	Lampasas	4.4	5.1	1.8	1.9%	19.1	0.31%	3.14%
726	Lancaster	4.6	5.2	1.2	-0.3%	18.7	0.31%	3.14%
730	Laredo	4.9	5.9	2.0	1.4%	18.5	0.33%	3.33%
733	Lavon	1.5	1.5	4.2	8.1%	18.7	0.10%	1.04%
736	League City	4.2	4.7	2.2	1.6%	19.0	0.29%	2.87%
737	Leander	2.0	2.3	5.2	8.2%	23.1	0.14%	1.38%
735	Lefors	0.8	0.8	NA	11.2%	20.6	0.08%	0.76%
739	Leon Valley	6.0	6.8	1.0	-1.8%	16.5	0.43%	4.32%
738	Leonard	1.6	1.4	1.6	-0.8%	17.8	0.06%	0.61%
740	Levelland	6.2	6.1	1.7	-1.1%	17.3	0.41%	4.11%
742	Lewisville	5.3	5.9	1.6	-0.1%	18.7	0.37%	3.69%
744	Lexington	3.6	3.7	1.4	-3.3%	17.2	0.25%	2.55%
746	Liberty	2.6	3.3	2.0	3.1%	16.5	0.20%	2.00%
745	Liberty Hill	0.6	0.6	12.8	22.3%	22.8	0.04%	0.42%
748	Lindale	2.8	3.6	4.2	3.7%	18.0	0.19%	1.95%
750	Linden	2.0	1.8	1.6	-1.2%	13.6	0.08%	0.88%
749	Lindsay	0.2	0.2	NA	54.7%	17.7	0.02%	0.23%
755	Lipan	1.3	1.3	NA	5.7%	16.8	0.16%	1.56%
751	Little Elm	2.1	2.4	4.7	8.0%	23.4	0.15%	1.55%
752	Littlefield	3.8	3.8	1.3	-0.4%	17.3	0.26%	2.63%
753	Live Oak	5.8	6.5	1.4	1.1%	17.3	0.41%	4.12%
757	Liverpool	0.5	0.5	NA	13.1%	22.6	0.06%	0.61%
754	Livingston	6.2	6.8	1.9	-1.6%	16.4	0.42%	4.24%
756	Llano	3.3	3.9	1.2	1.6%	15.6	0.23%	2.27%
758	Lockhart	4.7	5.2	1.6	-0.7%	17.2	0.34%	3.36%
760	Lockney	3.3	1.7	2.0	-0.1%	16.0	0.00%	0.00%
765	Lone Star	4.0	3.6	1.2	-1.4%	15.6	0.15%	1.96%
766	Longview	5.3	5.7	1.2	-2.1%	15.8	0.37%	3.67%
768	Lorraine	1.6	1.4	0.5	0.8%	15.5	0.06%	0.57%
769	Lorena	2.7	2.9	1.8	3.4%	18.8	0.18%	1.80%
770	Lorenzo	3.0	1.9	1.0	-1.4%	19.0	0.11%	1.11%
771	Los Fresnos	2.3	2.6	3.0	2.1%	19.4	0.15%	1.54%
773	Lott	0.8	0.7	1.5	0.7%	18.9	0.04%	0.54%
774	Lovelady	1.0	1.0	3.0	15.2%	23.5	0.14%	1.40%
778	Lubbock	6.4	7.1	1.3	-1.9%	16.6	0.44%	4.38%
779	Lucas	1.9	2.2	1.8	7.4%	23.6	0.13%	1.35%
782	Lufkin	5.6	6.4	1.3	-1.5%	16.2	0.40%	3.99%

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784	Luling	2.7	2.7	2.1	0.3%	16.6	0.19%	1.87%
785	Lumberton	4.4	4.9	1.7	2.7%	18.0	0.30%	3.05%
786	Lyford	1.6	1.7	8.5	3.0%	14.5	0.11%	1.07%
787	Lytle	3.1	3.5	6.0	3.9%	18.9	0.22%	2.18%
790	Madisonville	2.8	3.0	1.5	0.9%	16.6	0.20%	1.99%
791	Magnolia	1.3	1.2	2.2	4.1%	19.7	0.04%	0.68%
792	Malakoff	1.9	1.9	1.8	0.0%	16.3	0.14%	1.44%
796	Manor	1.1	1.3	8.9	12.9%	23.3	0.07%	0.74%
798	Mansfield	4.2	4.6	2.0	1.0%	20.1	0.31%	3.12%
799	Manvel	1.2	1.5	5.0	9.6%	20.8	0.09%	0.88%
800	Marble Falls	3.5	3.8	1.2	-0.2%	17.6	0.25%	2.53%
802	Marfa	2.0	1.8	2.0	0.4%	14.9	0.08%	0.81%
804	Marion	2.6	2.0	1.3	0.3%	15.2	0.10%	1.02%
806	Marlin	2.6	2.7	1.0	-0.8%	18.4	0.19%	1.91%
808	Marquez	0.5	1.4	NA	46.1%	14.0	0.07%	0.70%
810	Marshall	6.3	7.0	1.0	-2.8%	15.7	0.46%	4.63%
812	Mart	2.8	2.2	1.5	0.0%	18.7	0.11%	1.11%
813	Martindale	1.7	1.8	3.0	10.4%	16.0	0.26%	2.55%
814	Mason	3.0	3.1	1.4	-5.6%	15.9	0.21%	2.05%
816	Matador	2.0	2.2	1.5	4.4%	11.8	0.28%	2.75%
818	Mathis	2.0	1.6	1.7	1.0%	17.9	0.08%	0.75%
820	Maud	0.8	0.9	NA	10.2%	18.8	0.10%	1.03%
822	Maypearl	1.7	1.5	1.3	2.3%	15.8	0.06%	0.76%
824	McAllen	3.8	4.0	2.6	0.1%	16.8	0.27%	2.67%
826	McCamey	3.4	3.2	4.7	0.9%	15.8	0.12%	1.86%
828	McGregor	3.2	3.3	1.2	0.3%	17.6	0.22%	2.25%
830	McKinney	3.6	4.0	3.2	3.6%	21.0	0.24%	2.45%
832	McLean	2.1	2.1	2.0	1.0%	13.0	0.24%	2.38%
833	McLendon-Chisholm	0.5	0.4	4.5	9.5%	24.3	0.02%	0.15%
834	Meadow	0.5	0.6	7.0	19.5%	21.7	0.05%	0.48%
831	Meadowlakes	0.9	0.9	13.0	3.3%	16.1	0.05%	0.55%
835	Meadows Place	3.8	4.1	1.5	-0.7%	15.4	0.27%	2.72%
837	Melissa	1.5	1.9	2.5	9.2%	22.1	0.12%	1.15%
1501	Memorial Villages PD	3.8	4.4	1.1	-2.2%	14.5	0.26%	2.64%
840	Memphis	4.8	5.2	2.2	-0.7%	15.6	0.33%	3.28%
842	Menard	6.9	5.5	1.7	-3.4%	13.6	0.00%	1.32%
844	Mercedes	3.9	4.5	1.8	0.4%	18.9	0.26%	2.64%
846	Meridian	2.0	1.8	6.0	3.1%	18.2	0.08%	0.87%
848	Merkel	2.9	3.3	2.3	2.3%	18.6	0.21%	2.05%
852	Mertzton	1.5	2.5	2.5	4.3%	17.4	0.16%	1.63%
854	Mesquite	6.2	6.8	1.3	-1.8%	15.8	0.42%	4.23%
856	Mexia	5.0	5.2	1.3	0.0%	18.4	0.35%	3.45%
858	Miami	1.7	2.0	NA	9.9%	10.6	0.24%	2.35%
860	Midland	5.9	6.6	1.2	-2.4%	16.3	0.41%	4.14%
862	Midlothian	2.8	3.3	2.6	4.6%	21.9	0.20%	2.04%
863	Milano	0.9	1.1	NA	17.6%	9.0	0.16%	1.60%
864	Miles	2.3	1.7	4.0	0.3%	14.6	0.07%	0.83%
865	Milford	2.8	3.1	1.0	-1.9%	16.2	0.33%	3.30%
868	Mineola	3.3	3.7	1.4	-1.4%	17.4	0.24%	2.39%
870	Mineral Wells	3.7	3.8	1.4	-1.6%	16.9	0.26%	2.61%
874	Mission	3.1	3.4	3.1	1.2%	19.2	0.22%	2.20%
875	Missouri City	4.8	4.9	1.6	-1.0%	16.8	0.32%	3.22%
876	Monahans	3.5	3.7	2.5	-1.1%	17.0	0.25%	2.50%
887	Mont Belvieu	2.4	2.8	5.2	5.4%	21.0	0.15%	1.52%
877	Montgomery	1.1	1.2	2.5	6.8%	24.0	0.08%	0.82%
878	Moody	1.8	1.9	2.8	-2.3%	14.2	0.15%	1.48%
883	Morgan's Point	5.5	5.5	0.7	-1.1%	16.3	0.43%	4.30%
882	Morgan's Point Resort	3.2	3.5	1.0	2.9%	20.4	0.22%	2.25%
884	Morton	7.4	6.4	2.7	0.4%	15.7	0.28%	2.77%
886	Moulton	5.1	4.9	0.7	-3.1%	14.2	0.18%	3.70%
890	Mount Enterprise	2.3	2.2	2.0	-2.1%	12.7	0.08%	3.15%
892	Mt. Pleasant	4.2	4.8	1.6	0.8%	18.9	0.31%	3.14%
894	Mt. Vernon	4.2	4.3	1.4	0.1%	17.6	0.29%	2.89%
896	Muenster	3.5	2.8	1.1	-3.7%	13.8	0.13%	1.32%
898	Muleshoe	6.5	7.6	1.1	-3.4%	15.4	0.45%	4.50%
901	Munday	1.3	1.6	1.8	-2.2%	16.7	0.13%	1.27%
903	Murphy	3.0	3.3	2.2	3.2%	21.3	0.21%	2.09%
10904	Nacogdoches	5.8	6.4	1.2	-2.4%	16.7	0.41%	4.10%
906	Naples	2.2	1.7	1.3	-2.3%	16.5	0.08%	0.80%
907	Nash	2.6	3.7	1.7	4.9%	19.6	0.18%	1.83%
905	Nassau Bay	3.5	3.8	1.5	4.4%	17.4	0.25%	2.53%
909	Natalia	0.9	0.9	2.8	2.1%	17.1	0.07%	0.71%
908	Navasota	3.9	3.9	1.7	-1.1%	17.8	0.24%	2.81%
910	Nederland	6.9	6.6	1.1	-2.7%	15.4	0.26%	4.35%
912	Needville	3.4	3.3	1.6	0.6%	13.5	0.23%	2.35%
914	New Boston	2.9	2.4	2.5	-0.4%	15.6	0.11%	1.06%
10916	New Braunfels	3.7	4.5	2.2	3.0%	20.4	0.26%	2.61%
20916	New Braunfels Utilities	4.0	4.7	2.4	2.4%	19.1	0.29%	2.87%
915	New Deal	2.2	1.8	1.0	-1.5%	14.1	0.08%	0.71%
923	New Fairview	1.2	1.6	3.0	13.5%	24.3	0.13%	1.33%

**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)
918	New London	3.5	3.3	2.0	1.0%	15.6	0.14%	2.60%
919	New Summerfield	1.8	1.7	1.5	2.8%	21.6	0.06%	1.38%
917	New Waverly	2.9	3.4	1.7	2.2%	12.5	0.35%	3.53%
913	Newark	0.3	0.3	6.0	7.6%	26.8	0.01%	0.23%
920	Newton	4.5	5.4	2.0	1.9%	17.1	0.34%	3.43%
922	Nixon	1.3	1.2	3.1	3.0%	16.4	0.05%	0.48%
924	Nocona	3.5	3.9	1.2	1.2%	16.3	0.26%	2.63%
925	Nolanville	0.4	0.4	9.5	17.3%	24.0	0.03%	0.28%
928	Normangee	1.1	0.8	3.5	1.8%	19.5	0.05%	0.44%
931	North Richland Hills	7.1	7.7	1.3	-1.2%	17.6	0.48%	4.82%
930	Northlake	1.5	1.7	12.3	11.1%	23.1	0.10%	0.98%
935	O'Donnell	1.7	1.8	1.3	1.5%	15.2	0.21%	2.09%
936	Oak Point	1.5	1.6	3.4	4.1%	21.4	0.10%	1.05%
937	Oak Ridge North	4.4	4.8	2.5	1.1%	18.1	0.30%	3.00%
942	Odem	1.5	1.9	1.9	0.3%	14.7	0.10%	1.03%
944	Odessa	5.8	6.3	1.3	-1.9%	16.2	0.41%	4.05%
945	Oglesby	1.4	1.4	1.0	-3.7%	17.7	0.24%	2.37%
949	Old River-Winfree	2.4	1.6	NA	2.1%	14.2	0.00%	0.47%
950	Olmos Park	3.2	3.0	0.9	-2.7%	17.0	0.12%	1.62%
951	Olney	1.6	1.6	2.0	4.4%	16.8	0.13%	1.28%
953	Omaha	1.5	1.8	2.0	0.6%	13.6	0.15%	1.55%
954	Onalaska	0.7	0.5	3.0	-7.2%	21.2	0.03%	0.30%
958	Orange	7.6	8.0	1.1	-1.7%	15.8	0.54%	5.38%
960	Orange Grove	3.6	3.4	2.0	-0.6%	16.8	0.13%	2.16%
959	Ore City	1.2	1.1	3.3	3.0%	18.5	0.04%	0.63%
962	Overton	2.3	2.0	1.8	1.7%	17.8	0.08%	0.84%
961	Ovilla	2.5	2.7	1.8	3.4%	19.5	0.18%	1.79%
963	Oyster Creek	2.8	3.0	1.0	-0.7%	17.1	0.21%	2.05%
964	Paducah	7.1	5.5	0.7	-5.4%	12.7	0.00%	1.55%
966	Palacios	3.9	4.7	1.4	1.0%	16.7	0.26%	2.62%
968	Palestine	4.8	5.6	1.0	-1.7%	17.0	0.34%	3.38%
970	Palmer	2.2	2.5	3.8	6.4%	23.4	0.15%	1.49%
969	Palmhurst	0.9	1.0	6.2	11.7%	24.6	0.07%	0.67%
971	Palmview	0.6	0.7	13.6	6.5%	24.6	0.04%	0.44%
972	Pampa	4.9	6.2	1.1	-0.8%	16.3	0.34%	3.38%
974	Panhandle	4.1	4.6	1.2	0.6%	15.8	0.28%	2.79%
973	Panorama Village	3.2	3.1	0.9	-0.2%	13.6	0.14%	2.12%
975	Pantego	5.7	6.2	0.7	-0.9%	16.8	0.39%	3.90%
976	Paris	5.7	5.7	1.0	-3.2%	14.1	0.40%	3.99%
977	Parker	2.1	2.7	1.8	2.4%	18.0	0.15%	1.50%
978	Pasadena	6.1	6.4	1.3	-1.1%	16.3	0.47%	4.66%
983	Pearland	3.0	3.4	2.8	3.7%	21.7	0.22%	2.17%
984	Pearsall	2.5	2.5	2.7	-0.3%	17.0	0.18%	1.76%
988	Pecos City	2.1	2.2	1.9	1.1%	17.9	0.15%	1.51%
989	Pelican Bay	0.3	0.6	NA	28.4%	24.2	0.02%	0.23%
991	Penitas	0.5	0.6	21.5	19.4%	27.6	0.04%	0.36%
994	Perryton	6.5	6.6	1.7	-1.9%	15.5	0.44%	4.40%
1000	Pflugerville	3.2	3.7	2.7	2.3%	20.8	0.23%	2.27%
1002	Pharr	2.9	3.1	2.6	0.4%	18.9	0.20%	1.98%
1004	Pilot Point	2.0	2.3	2.1	3.7%	21.5	0.14%	1.38%
1005	Pinehurst	4.7	5.8	0.7	0.6%	16.2	0.33%	3.31%
1003	Pineland	6.7	6.0	1.4	-8.8%	14.9	0.23%	2.37%
1001	Piney Point Village	1.5	1.5	1.0	4.8%	15.1	0.16%	1.55%
1006	Pittsburg	5.1	5.2	1.6	-0.4%	17.0	0.36%	3.61%
1007	Plains	5.5	5.2	1.3	-1.3%	13.9	0.20%	3.67%
1008	Plainview	7.0	7.1	1.2	-2.4%	15.4	0.50%	4.96%
1010	Plano	6.4	6.8	1.6	-0.3%	17.7	0.44%	4.38%
1012	Pleasanton	3.1	3.9	2.1	2.5%	19.4	0.21%	2.12%
1013	Point	2.3	2.4	2.7	4.3%	22.7	0.21%	2.15%
1017	Ponder	1.4	1.4	4.0	7.1%	14.6	0.10%	0.99%
1014	Port Aransas	2.4	2.8	1.9	3.1%	18.6	0.17%	1.73%
11016	Port Arthur	4.7	5.3	1.1	-1.3%	15.7	0.34%	3.37%
1018	Port Isabel	2.6	2.5	1.6	0.1%	19.3	0.11%	1.62%
1020	Port Lavaca	3.0	3.1	1.3	-2.0%	17.7	0.21%	2.09%
1022	Port Neches	6.4	6.9	1.1	-2.3%	16.0	0.46%	4.56%
1019	Portland	3.2	3.7	1.8	0.9%	18.4	0.22%	2.20%
1024	Post	2.4	3.1	1.5	3.1%	15.1	0.16%	1.61%
1026	Poteet	1.6	1.3	2.0	-0.3%	18.2	0.07%	0.62%
1028	Poth	1.7	1.9	2.5	3.0%	13.7	0.15%	1.47%
1030	Pottsboro	1.8	1.8	1.5	6.2%	19.5	0.13%	1.26%
1031	Prairie View	0.3	0.4	26.0	31.2%	19.9	0.02%	0.21%
1032	Premont	2.1	1.3	1.3	-3.2%	13.7	0.00%	0.00%
1029	Presidio	1.2	1.1	5.7	2.3%	18.0	0.05%	0.49%
1033	Primera	1.1	0.8	5.3	1.8%	17.2	0.04%	0.43%
1034	Princeton	1.5	1.7	5.8	9.5%	23.6	0.11%	1.08%
1036	Prosper	1.5	1.7	10.2	12.8%	25.0	0.11%	1.07%
1037	Providence Village	0.6	0.7	8.0	20.5%	22.6	0.05%	0.53%
1042	Quannah	6.0	5.4	0.9	-3.2%	15.7	0.24%	2.84%
1045	Queen City	1.8	1.6	2.2	0.5%	16.1	0.07%	0.68%
1044	Quinlan	1.3	1.2	4.3	10.8%	24.2	0.05%	0.55%

**Section 8**  
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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)
1047	Quintana	0.6	0.7	NA	15.8%	20.5	0.05%	0.47%
1046	Quitaque	2.0	2.1	4.0	3.5%	14.1	0.27%	2.68%
1048	Quitman	4.5	4.2	2.4	0.9%	16.6	0.17%	2.58%
1050	Ralls	5.8	5.4	0.7	-5.9%	13.5	0.21%	4.06%
1051	Rancho Viejo	5.1	5.0	4.0	-9.2%	17.3	0.19%	3.58%
1052	Ranger	3.1	2.8	4.0	3.5%	20.4	0.12%	1.47%
1054	Rankin	3.4	3.4	2.0	-1.9%	16.7	0.25%	2.44%
1055	Ransom Canyon	3.1	3.9	3.7	5.3%	15.7	0.25%	2.47%
1058	Raymondville	4.1	3.4	1.4	-3.3%	17.0	0.16%	1.61%
1061	Red Oak	1.5	1.6	2.8	6.2%	21.8	0.11%	1.05%
1062	Redwater	1.3	1.3	9.0	6.9%	17.4	0.11%	1.05%
1064	Refugio	2.4	1.6	2.0	-1.3%	14.8	0.00%	0.00%
1065	Reklaw	6.6	7.0	1.7	1.8%	14.2	0.80%	7.99%
1066	Reno (Lamar County)	2.1	1.9	7.5	3.6%	21.5	0.08%	0.99%
1069	Reno (Parker County)	0.7	0.7	2.1	12.9%	23.3	0.03%	0.31%
1067	Rhame	1.6	1.4	1.5	5.3%	20.6	0.06%	0.69%
1068	Rice	0.8	0.7	4.3	1.4%	22.2	0.03%	0.33%
1070	Richardson	7.3	7.8	1.2	-1.7%	15.6	0.50%	4.96%
1073	Richland Hills	6.9	7.4	0.6	-2.7%	16.9	0.48%	4.77%
1074	Richland Springs	17.8	7.9	0.5	-4.5%	13.1	0.00%	0.00%
1076	Richmond	5.0	5.4	1.8	0.4%	19.2	0.34%	3.40%
1077	Richwood	2.8	3.2	1.2	-0.4%	17.4	0.21%	2.12%
1072	Riesel	1.3	1.7	4.0	6.7%	20.1	0.12%	1.23%
1075	Rio Grande City	2.1	2.2	5.4	3.8%	22.1	0.14%	1.44%
1079	Rio Vista	1.7	1.8	3.0	3.6%	16.7	0.16%	1.62%
1080	Rising Star	1.4	0.8	2.3	-5.6%	13.9	0.05%	0.48%
1082	River Oaks	4.4	4.7	1.3	-1.2%	18.2	0.32%	3.23%
1084	Roanoke	3.6	4.3	3.2	4.7%	21.4	0.25%	2.50%
1088	Robert Lee	0.8	1.1	1.7	0.0%	18.6	0.10%	1.03%
1089	Robinson	3.4	4.1	2.8	2.3%	18.1	0.24%	2.39%
21090	Robstown	3.6	3.6	1.4	-1.7%	18.2	0.24%	2.37%
11090	Robstown Utility Systems	5.7	6.8	1.1	-1.9%	14.8	0.42%	4.19%
1092	Roby	8.5	8.2	0.4	-9.0%	13.1	0.35%	12.85%
1096	Rockdale	2.9	3.1	1.6	0.9%	16.9	0.20%	2.02%
1098	Rockport	4.8	5.5	1.5	-0.1%	16.7	0.33%	3.28%
1100	Rocksprings	1.3	1.1	5.0	-0.3%	18.1	0.06%	0.53%
1102	Rockwall	4.6	5.0	2.4	1.7%	19.3	0.31%	3.12%
1104	Rogers	2.4	2.8	1.0	-4.3%	17.1	0.25%	2.54%
1105	Rollingwood	2.3	2.5	1.5	3.5%	19.3	0.17%	1.66%
1106	Roma	3.7	3.9	2.3	-0.6%	18.2	0.25%	2.48%
1109	Roscoe	1.8	1.7	2.0	-1.8%	12.8	0.07%	1.45%
1112	Rosebud	0.9	0.8	1.4	4.2%	16.3	0.03%	0.55%
1114	Rosenberg	4.1	4.9	1.6	1.7%	20.7	0.28%	2.83%
1116	Rotan	2.5	1.8	2.5	1.3%	15.3	0.00%	0.05%
1118	Round Rock	4.0	4.6	2.5	2.3%	20.3	0.29%	2.88%
1119	Rowlett	5.0	5.4	1.6	0.4%	18.3	0.34%	3.36%
1120	Royse City	2.1	2.5	3.0	7.9%	22.2	0.15%	1.49%
1122	Rule	3.7	2.9	3.0	-0.1%	16.9	0.13%	1.31%
1123	Runaway Bay	1.3	1.0	1.4	1.3%	15.9	0.05%	0.51%
1124	Runge	4.0	4.5	3.0	5.2%	14.6	0.40%	3.97%
1126	Rusk	3.0	1.9	1.9	2.0%	18.5	0.11%	1.62%
1128	Sabinal	2.6	2.3	1.9	-4.2%	13.5	0.10%	0.99%
1129	Sachse	3.3	3.7	1.7	3.6%	20.7	0.23%	2.32%
1131	Saginaw	4.1	5.3	2.1	3.3%	19.2	0.29%	2.86%
1130	Saint Jo	2.5	2.0	1.2	-1.7%	17.4	0.09%	0.89%
1132	Salado	1.6	1.4	1.3	3.7%	17.2	0.06%	0.63%
1132	San Angelo	6.1	7.1	1.1	-1.8%	16.0	0.42%	4.16%
21136	San Antonio	4.3	4.8	1.3	-1.4%	15.7	0.29%	2.92%
11136	San Antonio Water System	1.8	2.0	1.3	-1.0%	16.2	0.13%	1.29%
1138	San Augustine	4.8	4.9	1.3	-2.8%	15.8	0.35%	3.54%
1140	San Benito	2.3	2.4	1.5	-1.1%	16.9	0.15%	1.52%
1144	San Felipe	1.6	1.7	1.0	1.4%	16.6	0.21%	2.13%
1148	San Juan	1.4	1.4	3.2	2.3%	20.1	0.09%	1.05%
1150	San Marcos	4.4	5.2	1.9	1.1%	18.8	0.31%	3.12%
1152	San Saba	3.3	3.6	1.8	-0.3%	17.0	0.24%	2.36%
1146	Sanger	2.6	2.8	2.8	2.4%	18.5	0.18%	1.84%
1153	Sansom Park	1.7	1.5	1.9	4.7%	22.5	0.07%	0.69%
1155	Santa Fe	3.9	5.0	1.9	0.3%	18.2	0.27%	2.69%
1158	Savoy	2.7	2.1	1.0	0.8%	14.2	0.12%	1.17%
1159	Schertz	3.3	4.0	2.8	3.5%	21.2	0.23%	2.29%
1160	Schulenburg	6.9	7.7	1.3	-2.3%	15.9	0.48%	4.81%
1161	Seabrook	4.8	5.3	1.3	-0.7%	17.0	0.33%	3.31%
1162	Seadrift	1.3	1.4	5.3	6.9%	17.4	0.09%	0.86%
1164	Seagoville	3.3	3.7	1.7	1.5%	18.1	0.24%	2.38%
1166	Seagraves	2.5	2.7	1.0	-1.7%	16.8	0.18%	1.76%
1167	Sealy	4.3	4.7	2.3	2.6%	19.2	0.29%	2.86%
1168	Seguin	3.9	5.2	1.6	1.7%	18.1	0.28%	2.79%
1169	Selma	3.8	4.3	2.8	1.5%	21.8	0.26%	2.63%
1170	Seminole	5.6	5.9	1.8	-0.7%	16.1	0.40%	3.95%
1171	Seven Points	3.5	1.7	2.8	-0.6%	20.3	0.12%	1.22%

**Section 8**  
**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
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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)
1172	Seymour	4.3	4.5	1.0	-2.5%	14.0	0.30%	3.04%
1165	Shady Shores	0.9	1.0	NA	18.2%	21.3	0.15%	1.49%
1177	Shallowater	2.6	2.6	2.1	1.9%	17.1	0.19%	1.88%
1174	Shamrock	4.2	4.9	0.7	-3.6%	12.3	0.29%	2.89%
1173	Shavano Park	3.0	3.3	1.3	4.2%	22.1	0.21%	2.14%
1175	Shenandoah	3.5	4.4	2.0	3.7%	20.7	0.26%	2.58%
1181	Shepherd	2.6	2.0	2.3	-2.6%	14.7	0.10%	0.94%
1176	Sherman	5.2	5.7	1.3	-1.7%	17.1	0.36%	3.62%
1178	Shiner	2.7	3.2	1.9	1.0%	16.0	0.20%	1.99%
1179	Shoreacres	4.0	3.5	1.0	-0.6%	14.6	0.17%	1.64%
1180	Silsbee	5.0	6.0	1.2	-1.6%	16.8	0.35%	3.47%
1182	Silverton	6.7	6.3	1.0	-6.2%	13.0	0.22%	5.75%
1183	Simonton	0.2	0.2	NA	47.1%	26.0	0.03%	0.28%
1184	Sinton	5.3	5.9	1.6	-0.2%	18.0	0.35%	3.51%
1185	Skellytown	2.1	1.6	4.0	0.4%	17.3	0.08%	0.84%
1186	Slaton	4.3	4.3	1.4	-2.8%	15.9	0.31%	3.12%
1188	Smithville	2.5	2.7	2.0	-0.1%	17.0	0.18%	1.77%
1189	Smyer	3.9	3.9	NA	3.1%	13.0	0.67%	6.68%
1190	Snyder	6.3	6.7	1.3	-2.0%	16.6	0.43%	4.34%
1191	Somersset	0.8	0.7	3.3	3.7%	21.8	0.03%	0.32%
1192	Somerville	2.3	2.1	0.9	0.1%	15.7	0.09%	1.06%
1194	Sonora	3.7	3.8	1.0	-2.7%	16.2	0.26%	2.59%
1196	Sour Lake	2.2	2.0	2.3	1.7%	17.2	0.08%	0.88%
1198	South Houston	4.8	4.9	1.8	-0.7%	16.2	0.33%	3.26%
1199	South Padre Island	4.7	4.8	2.0	0.4%	19.5	0.33%	3.26%
1197	Southlake	4.2	4.6	2.5	2.1%	19.5	0.30%	2.96%
1200	Southmayd	0.4	0.5	9.0	20.1%	22.9	0.04%	0.41%
1202	Southside Place	3.6	3.9	1.3	0.6%	16.9	0.25%	2.50%
1204	Spearmen	5.8	6.0	1.1	-1.5%	15.7	0.39%	3.90%
1201	Splendora	0.3	0.7	29.0	31.7%	21.4	0.02%	0.23%
1205	Spring Valley Village	3.3	3.3	1.1	-1.5%	15.7	0.25%	2.53%
1203	Springtown	3.0	2.7	1.7	2.6%	20.5	0.11%	1.23%
1206	Spur	3.4	3.5	1.6	-2.6%	14.4	0.29%	2.95%
1207	Stafford	4.3	4.5	2.1	0.7%	19.6	0.28%	2.84%
1208	Stamford	3.8	3.5	0.9	-1.6%	14.5	0.14%	2.23%
1210	Stanton	3.0	3.1	2.5	0.4%	17.0	0.21%	2.11%
1211	Star Harbor	5.0	5.3	0.5	-8.9%	16.1	0.69%	6.90%
1212	Stephenville	5.1	4.8	1.4	-2.2%	16.7	0.18%	2.89%
1213	Sterling City	2.1	2.0	1.5	1.1%	14.6	0.08%	2.06%
1214	Stinnett	2.9	2.4	2.1	-1.9%	15.4	0.11%	1.11%
1216	Stockdale	0.8	0.9	8.0	16.2%	12.9	0.07%	0.74%
1218	Stratford	2.2	2.5	1.2	2.7%	20.0	0.17%	1.69%
1224	Sudan	2.1	2.0	3.0	0.4%	15.9	0.08%	1.39%
1225	Sugar Land	4.7	5.1	2.8	1.6%	19.5	0.32%	3.24%
1226	Sulphur Springs	5.1	5.2	1.2	-3.0%	15.0	0.34%	3.42%
1228	Sundown	6.3	6.8	0.7	-0.5%	14.5	0.50%	4.99%
1229	Sunnyvale	1.9	2.0	3.6	6.2%	22.1	0.13%	1.35%
1230	Sunray	4.7	5.2	1.6	0.9%	17.6	0.33%	3.32%
1227	Sunrise Beach Village	0.8	0.8	3.3	5.1%	20.3	0.07%	0.71%
1231	Sunset Valley	3.9	4.0	1.9	2.3%	19.5	0.28%	2.78%
1233	Surfside Beach	0.9	0.7	5.4	5.3%	17.1	0.04%	0.34%
1232	Sweeny	4.7	5.4	1.2	-2.7%	15.3	0.32%	3.15%
1234	Sweetwater	5.4	6.1	1.1	-1.1%	15.8	0.37%	3.74%
1264	TMRS	3.8	4.3	2.9	3.3%	17.3	0.27%	2.67%
1236	Taft	3.0	3.5	1.8	0.8%	16.4	0.20%	2.01%
1238	Tahoka	4.5	3.4	1.8	-2.6%	13.7	0.16%	1.57%
1240	Talty	0.5	0.9	6.0	36.4%	15.8	0.06%	0.56%
1241	Tatum	1.1	1.1	2.0	-3.2%	18.8	0.10%	0.98%
1246	Taylor	3.5	4.0	1.4	0.6%	18.6	0.24%	2.43%
1248	Teague	3.6	3.3	1.0	0.7%	18.3	0.13%	1.93%
1252	Temple	5.1	5.8	1.6	-0.4%	17.4	0.37%	3.67%
1254	Tenaha	1.6	1.2	1.2	-4.5%	18.0	0.00%	0.46%
1256	Terrell	5.0	5.6	1.3	-0.2%	18.2	0.36%	3.56%
1258	Terrell Hills	4.9	5.6	1.5	0.1%	20.2	0.34%	3.43%
31263	Tex Municipal League IEBP	3.4	3.6	3.0	-0.6%	15.1	0.24%	2.44%
21263	Tex Municipal League IRP	6.7	6.7	2.4	0.3%	15.6	0.47%	4.66%
21260	Texarkana	6.2	6.8	1.0	-2.0%	15.2	0.45%	4.46%
11260	Texarkana Police Dept	8.2	8.7	1.0	-2.1%	18.6	0.55%	5.51%
31260	Texarkana Water Utilities	5.4	6.1	1.3	-0.7%	16.5	0.38%	3.82%
1262	Texas City	6.0	6.7	1.3	-1.7%	16.5	0.42%	4.20%
11263	Texas Municipal League	6.6	7.2	1.2	-2.4%	15.4	0.45%	4.54%
1267	The Colony	3.8	4.2	1.8	1.5%	19.1	0.26%	2.60%
1269	Thompsons	2.0	2.1	3.0	3.8%	13.4	0.28%	2.77%
1268	Thordale	2.5	2.6	1.1	1.7%	14.7	0.23%	2.26%
1272	Thrall	0.8	0.8	NA	16.5%	17.0	0.08%	0.76%
1274	Three Rivers	3.7	5.4	1.8	3.4%	17.2	0.25%	2.54%
1276	Throckmorton	4.7	4.5	0.6	-5.6%	17.3	0.16%	4.63%
1277	Tiki Island	1.5	1.6	8.0	5.5%	15.6	0.14%	1.44%
1278	Timpson	3.1	2.8	1.8	-9.2%	14.7	0.11%	1.24%
1280	Tioga	1.2	1.1	NA	4.6%	18.4	0.04%	0.69%

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1283	Tolar	2.9	2.7	1.3	0.8%	16.8	0.11%	2.81%
1286	Tom Bean	1.4	1.1	2.0	4.9%	21.6	0.05%	0.52%
1284	Tomball	3.8	4.3	1.9	1.0%	19.4	0.25%	2.52%
1290	Trent	3.2	3.1	2.0	4.0%	10.2	0.50%	5.02%
1292	Trenton	1.7	1.6	1.5	0.6%	16.6	0.07%	0.93%
1293	Trinidad	1.8	1.7	1.4	-2.0%	12.7	0.07%	1.61%
1294	Trinity	2.5	2.4	2.1	-0.1%	19.6	0.09%	1.59%
1295	Trophy Club	3.8	4.0	1.7	1.5%	18.5	0.27%	2.66%
1296	Troup	1.7	1.8	1.6	2.6%	20.8	0.12%	1.22%
1297	Troy	1.7	1.8	1.5	8.9%	16.6	0.14%	1.43%
1298	Tulia	6.5	6.5	1.3	-1.8%	15.9	0.45%	4.48%
1299	Turkey	1.6	2.0	0.7	-2.8%	12.5	0.20%	2.03%
1300	Tuscola	0.1	0.9	NA	100.0%	24.4	0.00%	0.05%
1301	Tye	1.5	1.7	1.6	1.9%	18.6	0.10%	1.03%
1304	Tyler	5.7	6.8	1.2	-0.7%	16.8	0.40%	4.00%
1305	Universal City	4.1	5.2	1.7	2.7%	18.2	0.30%	2.95%
1306	University Park	5.9	6.0	1.2	-2.9%	13.9	0.41%	4.12%
1308	Uvalde	2.6	2.7	2.1	0.0%	18.8	0.18%	1.79%
1312	Valley Mills	0.4	0.3	NA	20.2%	19.7	0.01%	0.14%
1313	Valley View	0.4	0.4	5.0	14.3%	22.6	0.02%	0.19%
1314	Van	3.2	3.0	2.1	0.3%	16.6	0.11%	1.60%
1316	Van Alstyne	2.2	2.5	2.1	3.7%	22.9	0.16%	1.57%
1318	Van Horn	3.5	3.8	1.4	0.7%	17.2	0.27%	2.75%
1320	Vega	7.0	7.6	1.0	-2.5%	12.2	0.87%	8.67%
1324	Venus	1.7	1.6	1.6	5.6%	22.8	0.12%	1.20%
1326	Vernon	5.6	6.0	1.2	-1.9%	15.8	0.40%	3.95%
1328	Victoria	5.6	6.6	1.2	-2.1%	17.0	0.38%	3.81%
1329	Vidor	5.4	5.9	1.2	-0.7%	15.8	0.39%	3.87%
1500	Village Fire Department	4.8	4.8	1.5	-3.1%	16.8	0.36%	3.56%
1327	Village of the Hills	0.4	0.5	NA	30.2%	21.4	0.09%	0.89%
1330	Waco	5.4	6.0	1.3	-2.0%	15.4	0.39%	3.87%
1332	Waelder	1.4	1.4	2.9	-1.3%	18.4	0.10%	1.02%
1334	Wake Village	3.5	4.1	1.0	-0.2%	18.0	0.26%	2.59%
1336	Waller	2.0	1.9	2.0	-0.4%	14.0	0.07%	1.13%
1337	Wallis	2.0	1.8	2.3	0.0%	16.3	0.08%	0.95%
1338	Walnut Springs	1.8	1.9	1.0	1.0%	15.2	0.30%	2.95%
1340	Waskom	3.2	3.6	1.2	-0.5%	14.4	0.23%	2.34%
1341	Watauga	5.3	5.8	1.3	-0.2%	18.7	0.40%	3.95%
1342	Waxahachie	3.6	4.3	2.2	0.9%	19.1	0.25%	2.53%
1344	Weatherford	5.4	5.9	1.5	-1.0%	18.0	0.37%	3.69%
1345	Webster	5.2	5.9	1.4	0.9%	18.5	0.37%	3.72%
1346	Weimar	6.0	6.3	1.0	0.0%	15.1	0.42%	4.22%
1350	Wellington	7.2	6.7	1.2	-3.4%	11.6	0.26%	3.46%
1352	Wells	1.6	1.4	3.0	-0.4%	17.3	0.06%	0.58%
1354	Weslaco	3.7	3.9	1.4	-0.8%	16.8	0.29%	2.89%
1356	West	2.8	2.7	1.8	-1.1%	16.6	0.21%	2.02%
1358	West Columbia	3.3	2.9	1.5	-1.8%	15.1	0.13%	1.26%
1359	West Lake Hills	4.6	5.2	0.7	-0.5%	18.2	0.34%	3.44%
1361	West Orange	6.5	7.4	1.3	0.5%	15.0	0.53%	5.25%
1365	West Tawakoni	2.7	2.9	0.8	-2.9%	15.3	0.25%	2.54%
1364	West Univ. Place	5.1	5.7	1.1	-1.7%	16.9	0.35%	3.50%
1363	Westlake	2.2	2.5	2.9	7.2%	19.9	0.15%	1.49%
1362	Westover Hills	1.7	1.8	1.0	1.8%	17.3	0.12%	1.19%
1366	Westworth Village	2.9	2.9	1.7	2.5%	20.3	0.20%	2.01%
1368	Wharton	3.2	3.2	2.2	-0.5%	16.3	0.22%	2.25%
1370	Wheeler	4.9	5.0	2.3	-3.2%	17.3	0.49%	4.89%
1372	White Deer	2.0	2.5	1.0	1.3%	12.8	0.23%	2.25%
1377	White Oak	6.0	6.1	1.3	0.1%	16.6	0.43%	4.26%
1378	White Settlement	4.5	5.5	1.2	-0.3%	18.2	0.31%	3.09%
1374	Whiteface	6.2	5.3	3.0	0.6%	14.6	0.23%	2.32%
1375	Whitehouse	3.0	3.1	2.0	1.2%	21.0	0.20%	1.99%
1376	Whitesboro	3.6	3.6	1.5	0.7%	16.6	0.26%	2.57%
1380	Whitewright	2.0	1.9	1.9	0.0%	18.8	0.07%	0.93%
1382	Whitney	1.7	1.7	1.4	2.0%	18.2	0.12%	1.18%
1384	Wichita Falls	5.5	6.5	1.3	-1.6%	15.2	0.38%	3.80%
1386	Willis	3.0	3.1	2.0	2.4%	19.3	0.20%	2.04%
1387	Willow Park	1.1	1.2	3.0	11.1%	23.1	0.08%	0.79%
1388	Wills Point	3.9	4.4	1.3	-0.7%	16.4	0.29%	2.86%
1390	Wilmer	1.5	1.4	2.1	4.2%	20.6	0.06%	0.98%
1392	Wimberley	1.1	1.2	1.8	9.1%	20.6	0.07%	0.88%
1393	Windcrest	2.9	2.9	1.4	0.9%	18.7	0.20%	2.00%
1395	Winfield	1.3	1.2	NA	6.8%	12.0	0.04%	0.86%
1396	Wink	1.9	1.8	4.0	5.1%	18.2	0.07%	1.17%
1398	Winnnsboro	3.0	3.3	1.5	0.1%	16.7	0.21%	2.12%
1399	Winona	5.3	3.3	2.0	-2.5%	14.3	0.19%	1.98%
1400	Winters	5.2	5.5	0.8	-3.8%	16.6	0.38%	3.81%
1403	Wolfforth	2.2	2.7	4.9	2.3%	20.1	0.16%	1.55%
1409	Woodcreek	1.0	1.0	1.0	7.7%	10.8	0.16%	1.59%
1404	Woodsboro	1.8	1.3	3.3	1.4%	17.9	0.07%	0.67%
1406	Woodville	5.4	6.0	2.2	1.1%	17.7	0.38%	3.78%

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1407	Woodway	4.7	5.5	1.8	1.0%	19.0	0.34%	3.42%
1408	Wortham	2.5	2.3	1.6	1.6%	22.1	0.09%	1.65%
1410	Wylie	3.4	4.0	2.9	4.0%	21.6	0.23%	2.31%
1412	Yoakum	5.8	6.7	1.4	-1.2%	15.1	0.39%	3.89%
1414	Yorktown	3.6	3.2	1.1	-2.4%	12.6	0.07%	1.35%
1415	Zavalla	1.9	1.5	5.0	-1.0%	20.6	0.07%	0.77%

**SECTION 9**



**INDIVIDUAL CITY REPORTS**



**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Abernathy	Abilene	Addison	Agua Dulce	Alamo	Alamo Heights	Alba
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$459,936	\$132,600,386	\$47,745,910	\$72,793	\$6,243,452	\$11,538,637	\$556,877
b. Noncontributing Members	548,534	26,566,916	17,464,204	0	1,784,354	4,279,753	0
c. Annuitants	508,934	167,439,376	76,970,035	0	4,270,387	14,134,765	36,700
2. Total Actuarial Accrued Liability	\$1,517,404	\$326,606,678	\$142,180,149	\$72,793	\$12,298,193	\$29,953,155	\$593,577
3. Actuarial value of assets	1,428,306	303,345,643	135,208,818	43,284	11,522,961	24,084,981	443,044
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$89,098	\$23,261,035	\$6,971,331	\$29,509	\$775,232	\$5,868,174	\$150,533
5. Funded Ratio: (3) / (2)	94.1%	92.9%	95.1%	59.5%	93.7%	80.4%	74.6%
6. Annual Payroll	\$726,059	\$58,317,801	\$22,694,627	\$94,649	\$5,432,388	\$5,845,187	\$239,938
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	2.75%	7.68%	8.77%	2.15%	4.98%	9.83%	4.58%
Prior Service	0.90%	2.99%	2.82%	6.73%	1.04%	6.74%	9.17%
Total Retirement	3.65%	10.67%	11.59%	8.88%	6.02%	16.57%	13.75%
Supplemental Death	0.22%	0.34%	0.19%	0.16%	0.22%	0.27%	0.16%
Total Rate	3.87%	11.01%	11.78%	9.04%	6.24%	16.84%	13.91%
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)	7.50%	N/A	15.50%	N/A	9.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	19.7 years	19.0 years	14.3 years	5.2 years	19.8 years	22.8 years	8.1 years
Number of annuitants	6	883	232	0	48	86	1
Number of active contributing members	16	1,047	278	3	139	96	5
Number of inactive members	34	681	236	0	126	88	0
Average age of contributing members	46.1 years	43.3 years	41.6 years	56.0 years	41.6 years	42.0 years	55.0 years
Average length of service of contributing members	7.4 years	10.2 years	10.8 years	8.5 years	8.4 years	12.2 years	15.4 years

	Albany	Aledo	Alice	Allen	Alpine	Alto	Alton
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$703,066	\$867,653	\$16,135,604	\$151,139,281	\$2,945,033	\$439,267	\$3,638,666
b. Noncontributing Members	16,811	211,961	3,482,055	30,955,141	774,699	398,220	1,294,144
c. Annuitants	379,484	454,715	21,888,709	69,370,474	3,357,321	385,433	2,459,201
2. Total Actuarial Accrued Liability	\$1,099,361	\$1,534,329	\$41,506,368	\$251,464,896	\$7,077,053	\$1,222,920	\$7,392,011
3. Actuarial value of assets	1,042,394	1,203,306	44,040,529	222,478,578	8,597,416	1,253,499	6,949,936
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$56,967	\$331,023	(\$2,534,161)	\$28,986,318	(\$1,520,363)	(\$30,579)	\$442,075
5. Funded Ratio: (3) / (2)	94.8%	78.4%	106.1%	88.5%	121.5%	102.5%	94.0%
6. Annual Payroll	\$646,354	\$718,150	\$9,939,589	\$55,622,885	\$3,632,765	\$471,630	\$3,747,550
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	3.79%	10.32%	5.20%	10.71%	3.76%	10.66%	10.33%
Prior Service	0.73%	3.84%	-0.99%	3.45%	-1.63%	-0.25%	0.78%
Total Retirement	4.52%	14.16%	4.21%	14.16%	2.13%	10.41%	11.11%
Supplemental Death	0.39%	0.28%	0.00%	0.14%	0.20%	0.50%	0.15%
Total Rate	4.91%	14.44%	4.21%	14.30%	2.33%	10.91%	11.26%
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	11.50%	N/A	11.50%	13.50%	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	16.5 years	16.4 years	N/A	23.0 years	N/A	N/A	23.2 years
Number of annuitants	10	9	177	275	34	9	22
Number of active contributing members	15	14	203	767	85	12	89
Number of inactive members	7	17	97	505	94	25	136
Average age of contributing members	50.1 years	49.2 years	45.3 years	43.5 years	41.7 years	38.9 years	39.1 years
Average length of service of contributing members	8.5 years	9.8 years	10.0 years	11.2 years	6.5 years	4.8 years	5.8 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Alvarado	Alvin	Alvord	Amarillo	Amherst	Anahuac	Andrews
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,571,022	\$35,297,938	\$117,814	\$205,236,626	\$112,590	\$244,367	\$13,362,326
b. Noncontributing Members	956,205	7,109,420	362,450	29,861,278	14,407	487,580	2,112,653
c. Annuitants	643,541	30,816,860	69,420	273,872,886	77,396	293,254	14,675,904
2. Total Actuarial Accrued Liability	\$5,170,768	\$73,224,218	\$549,684	\$508,970,790	\$204,393	\$1,025,201	\$30,150,883
3. Actuarial value of assets	4,779,511	63,907,063	540,466	459,591,892	400,494	1,124,623	25,951,761
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$391,257	\$9,317,155	\$9,218	\$49,378,898	(\$196,101)	(\$99,422)	\$4,199,122
5. Funded Ratio: (3) / (2)	92.4%	87.3%	98.3%	90.3%	195.9%	109.7%	86.1%
6. Annual Payroll	\$3,209,798	\$11,991,297	\$328,857	\$93,150,296	\$196,268	\$487,820	\$5,219,923
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	4.53%	9.79%	5.14%	7.37%	4.11%	7.70%	8.81%
Prior Service	0.83%	7.14%	0.33%	4.48%	-3.89%	-0.79%	6.80%
Total Retirement	5.36%	16.93%	5.47%	11.85%	0.22%	6.91%	15.61%
Supplemental Death	0.14%	0.21%	0.16%	0.00%	0.00%	0.21%	0.00%
Total Rate	5.50%	17.14%	5.63%	11.85%	0.22%	7.12%	15.61%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	21.8 years	14.3 years	10.8 years	16.1 years	N/A	N/A	16.0 years
Number of annuitants	14	139	3	1,240	2	4	39
Number of active contributing members	60	227	7	1,770	5	11	76
Number of inactive members	54	252	7	1,214	2	17	45
Average age of contributing members	43.6 years	41.8 years	42.6 years	43.8 years	45.7 years	44.3 years	39.7 years
Average length of service of contributing members	8.4 years	9.9 years	7.1 years	8.9 years	10.6 years	6.5 years	9.0 years

	Angleton	Anna	Annetta	Anson	Anthony	Aransas Pass	Archer City
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$11,118,782	\$6,102,605	\$81,038	\$770,890	\$814,485	\$6,697,664	\$755,370
b. Noncontributing Members	3,496,144	2,058,356	20,858	137,680	256,523	2,005,678	232,364
c. Annuitants	15,299,759	2,845,156	0	364,485	636,949	8,440,533	242,163
2. Total Actuarial Accrued Liability	\$29,914,685	\$11,006,117	\$101,896	\$1,273,055	\$1,707,957	\$17,143,875	\$1,229,897
3. Actuarial value of assets	26,581,467	9,662,166	93,197	1,469,234	1,416,477	15,260,593	1,158,859
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$3,333,218	\$1,343,951	\$8,699	(\$196,179)	\$291,480	\$1,883,282	\$71,038
5. Funded Ratio: (3) / (2)	88.9%	87.8%	91.5%	115.4%	82.9%	89.0%	94.2%
6. Annual Payroll	\$7,453,308	\$6,410,981	\$101,992	\$941,744	\$1,391,266	\$5,526,108	\$826,139
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	8.35%	12.19%	8.74%	2.29%	1.21%	7.26%	3.36%
Prior Service	3.31%	1.38%	1.59%	-0.81%	1.55%	2.26%	0.66%
Total Retirement	11.66%	13.57%	10.33%	1.48%	2.76%	9.52%	4.02%
Supplemental Death	0.22%	0.09%	0.09%	0.20%	0.13%	0.22%	0.40%
Total Rate	11.88%	13.66%	10.42%	1.68%	2.89%	9.74%	4.42%
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	N/A	9.50%	N/A	N/A	9.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	19.4 years	23.2 years	6.1 years	N/A	19.3 years	23.0 years	18.3 years
Number of annuitants	78	17	0	8	9	54	6
Number of active contributing members	136	99	2	27	31	117	18
Number of inactive members	83	57	1	34	24	133	11
Average age of contributing members	41.6 years	39.3 years	54.2 years	40.4 years	41.3 years	41.1 years	52.7 years
Average length of service of contributing members	7.9 years	8.2 years	4.6 years	7.3 years	8.3 years	6.4 years	12.0 years

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**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Arcola	Argyle	Arlington	Arp	Aspermont	Athens	Atlanta
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$331,500	\$2,349,500	\$567,818,785	\$224,367	\$383,386	\$13,757,541	\$2,311,977
b. Noncontributing Members	49,069	2,233,091	97,994,306	50,372	31,509	4,585,283	544,591
c. Annuitants	3,257	1,993,539	708,407,016	497,440	145,780	19,775,715	1,970,205
2. Total Actuarial Accrued Liability	\$383,826	\$6,576,130	\$1,374,220,107	\$772,179	\$560,675	\$38,118,539	\$4,826,773
3. Actuarial value of assets	283,708	6,419,679	1,357,257,633	777,265	684,502	31,767,205	4,510,194
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$100,118	\$156,451	\$16,962,474	(\$5,086)	(\$123,827)	\$6,351,334	\$316,579
5. Funded Ratio: (3) / (2)	73.9%	97.6%	98.8%	100.7%	122.1%	83.3%	93.4%
6. Annual Payroll	\$765,506	\$2,183,813	\$194,435,919	\$348,842	\$327,021	\$7,331,976	\$1,779,155
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	2.09%	11.27%	9.58%	4.01%	1.33%	9.36%	5.33%
Prior Service	1.46%	0.51%	0.59%	-0.06%	-1.33%	6.92%	1.22%
Total Retirement	3.55%	11.78%	10.17%	3.95%	0.00%	16.28%	6.55%
Supplemental Death	0.17%	0.00%	0.19%	0.26%	0.29%	0.20%	0.28%
Total Rate	3.72%	11.78%	10.36%	4.21%	0.29%	16.48%	6.83%
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%	7.50%	N/A	9.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	11.1 years	20.7 years	22.5 years	N/A	N/A	17.3 years	23.1 years
Number of annuitants	1	18	1,971	5	2	89	23
Number of active contributing members	14	32	2,492	8	7	124	39
Number of inactive members	11	30	1,244	14	3	84	20
Average age of contributing members	52.7 years	44.0 years	42.0 years	42.2 years	50.9 years	41.2 years	49.6 years
Average length of service of contributing members	4.9 years	10.1 years	11.5 years	10.8 years	12.7 years	9.9 years	9.2 years

	Aubrey	Avinger	Azle	Baird	Balch Springs	Balcones Heights	Ballinger
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,036,838	\$117,906	\$17,314,507	\$232,971	\$28,924,672	\$6,898,414	\$1,718,849
b. Noncontributing Members	1,312,154	9,842	4,075,608	210,457	4,855,265	2,367,489	163,010
c. Annuitants	693,866	0	9,446,678	283,491	12,279,022	6,935,587	2,591,951
2. Total Actuarial Accrued Liability	\$5,042,858	\$127,748	\$30,836,793	\$726,919	\$46,058,959	\$16,201,490	\$4,473,810
3. Actuarial value of assets	4,985,846	142,955	26,338,663	812,746	38,784,240	16,890,465	3,870,283
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$57,012	(\$15,207)	\$4,498,130	(\$85,827)	\$7,274,719	(\$688,975)	\$603,527
5. Funded Ratio: (3) / (2)	98.9%	111.9%	85.4%	111.8%	84.2%	104.3%	86.5%
6. Annual Payroll	\$4,108,851	\$58,816	\$8,251,924	\$507,435	\$11,270,349	\$3,070,261	\$1,273,243
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.53%	3.49%	8.47%	1.65%	9.22%	8.80%	6.55%
Prior Service	0.10%	-1.01%	3.99%	-0.66%	4.26%	-0.87%	3.54%
Total Retirement	5.63%	2.48%	12.46%	0.99%	13.48%	7.93%	10.09%
Supplemental Death	0.09%	0.20%	0.16%	0.17%	0.16%	0.27%	0.42%
Total Rate	5.72%	2.68%	12.62%	1.16%	13.64%	8.20%	10.51%
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)	13.50%	9.50%	12.50%	N/A	N/A	N/A	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	21.5 years	N/A	19.7 years	N/A	23.1 years	N/A	19.1 years
Number of annuitants	19	0	86	5	103	56	28
Number of active contributing members	71	2	130	11	168	49	30
Number of inactive members	86	1	132	8	121	50	22
Average age of contributing members	38.4 years	60.2 years	42.6 years	44.5 years	42.7 years	45.5 years	41.7 years
Average length of service of contributing members	7.8 years	10.8 years	10.1 years	6.4 years	9.6 years	13.6 years	6.5 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Balmorhea	Bandera	Bangs	Bartlett	Bartonville	Bastrop	Bay City
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$37,737	\$849,655	\$918,594	\$518,129	\$401,314	\$13,055,416	\$14,146,639
b. Noncontributing Members	2,126	450,281	307,145	418,569	307,645	2,233,106	2,992,289
c. Annuitants	0	1,562,181	900,732	446,602	698,080	9,126,571	21,497,433
2. Total Actuarial Accrued Liability	\$39,863	\$2,862,117	\$2,126,471	\$1,383,300	\$1,407,039	\$24,415,093	\$38,636,361
3. Actuarial value of assets	57,375	2,944,265	2,232,246	1,583,829	1,059,694	20,761,241	35,358,470
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$17,512)	(\$82,148)	(\$105,775)	(\$200,529)	\$347,345	\$3,653,852	\$3,277,891
5. Funded Ratio: (3) / (2)	143.9%	102.9%	105.0%	114.5%	75.3%	85.0%	91.5%
6. Annual Payroll	\$36,006	\$954,206	\$505,330	\$646,643	\$516,891	\$7,909,757	\$8,064,517
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	1.73%	11.51%	10.73%	7.96%	6.88%	8.36%	5.88%
Prior Service	-1.73%	-0.34%	-0.81%	-1.21%	7.91%	3.05%	3.45%
Total Retirement	0.00%	11.17%	9.92%	6.75%	14.79%	11.41%	9.33%
Supplemental Death	0.07%	0.57%	0.27%	0.28%	0.14%	0.17%	0.30%
Total Rate	0.07%	11.74%	10.19%	7.03%	14.93%	11.58%	9.63%
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%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	N/A	N/A	N/A	10.4 years	23.1 years	16.1 years
Number of annuitants	0	12	10	9	8	68	124
Number of active contributing members	1	20	13	17	8	135	161
Number of inactive members	1	38	18	30	10	72	100
Average age of contributing members	51.2 years	48.2 years	51.6 years	46.4 years	43.2 years	44.4 years	41.9 years
Average length of service of contributing members	12.3 years	6.9 years	6.4 years	4.4 years	6.0 years	9.1 years	9.2 years

	Bayou Vista	Baytown	Beaumont	Bedford	Bee Cave	Beeville	Bellaire
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$100,453	\$199,592,895	\$221,120,084	\$47,744,298	\$4,783,928	\$4,940,181	\$38,385,216
b. Noncontributing Members	164,142	23,905,737	24,880,954	10,460,717	1,742,109	1,441,067	6,775,695
c. Annuitants	182,769	164,682,530	279,791,382	9,455,136	1,337,500	5,382,092	46,592,292
2. Total Actuarial Accrued Liability	\$447,364	\$388,181,162	\$525,792,420	\$67,660,151	\$7,863,537	\$11,763,340	\$91,753,203
3. Actuarial value of assets	509,447	327,100,736	459,560,684	35,890,154	7,179,804	14,229,241	79,173,735
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$62,083)	\$61,080,426	\$66,231,736	\$31,769,997	\$683,733	(\$2,465,901)	\$12,579,468
5. Funded Ratio: (3) / (2)	113.9%	84.3%	87.4%	53.0%	91.3%	121.0%	86.3%
6. Annual Payroll	\$410,166	\$67,755,011	\$66,738,642	\$24,418,993	\$3,550,243	\$4,567,760	\$12,019,597
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	3.10%	10.17%	9.95%	7.12%	7.89%	3.39%	11.11%
Prior Service	-0.59%	7.12%	9.24%	9.38%	1.32%	-2.10%	8.67%
Total Retirement	2.51%	17.29%	19.19%	16.50%	9.21%	1.29%	19.78%
Supplemental Death	0.20%	0.16%	0.00%	0.09%	0.13%	0.00%	0.25%
Total Rate	2.71%	17.45%	19.19%	16.59%	9.34%	1.29%	20.03%
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	N/A	N/A	13.50%	11.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	17.6 years	14.2 years	20.2 years	21.7 years	N/A	16.5 years
Number of annuitants	5	512	949	89	10	73	138
Number of active contributing members	7	869	1,017	341	48	97	152
Number of inactive members	14	401	451	200	43	83	127
Average age of contributing members	40.4 years	41.2 years	44.7 years	40.8 years	41.8 years	44.7 years	44.9 years
Average length of service of contributing members	4.8 years	10.7 years	11.2 years	11.6 years	8.1 years	10.0 years	13.1 years

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**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Bellmead	Bells	Bellville	Belton	Benbrook	Berryville	Bertram
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,410,420	\$152,918	\$6,569,659	\$14,024,410	\$30,523,507	\$79,902	\$281,686
b. Noncontributing Members	2,495,132	120,870	926,626	3,298,104	4,514,239	0	217,861
c. Annuitants	7,460,759	91,871	6,175,978	11,445,338	29,993,141	125,401	225,589
2. Total Actuarial Accrued Liability	\$14,366,311	\$365,659	\$13,672,263	\$28,767,852	\$65,030,887	\$205,303	\$725,136
3. Actuarial value of assets	15,446,432	456,649	10,846,408	25,010,900	59,145,043	211,464	719,841
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$1,080,121)	(\$90,990)	\$2,825,855	\$3,756,952	\$5,885,844	(\$6,161)	\$5,295
5. Funded Ratio: (3) / (2)	107.5%	124.9%	79.3%	86.9%	90.9%	103.0%	99.3%
6. Annual Payroll	\$3,872,568	\$418,168	\$2,667,167	\$9,240,116	\$10,543,786	\$148,906	\$676,578
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	9.56%	4.37%	6.64%	7.53%	11.62%	3.11%	4.24%
Prior Service	-1.09%	-0.85%	9.76%	2.80%	4.30%	-0.16%	0.07%
Total Retirement	8.47%	3.52%	16.40%	10.33%	15.92%	2.95%	4.31%
Supplemental Death	0.23%	0.18%	0.39%	0.21%	0.16%	0.71%	0.00%
Total Rate	8.70%	3.70%	16.79%	10.54%	16.08%	3.66%	4.31%
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%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	N/A	14.5 years	21.6 years	18.3 years	N/A	16.0 years
Number of annuitants	37	5	43	88	83	3	6
Number of active contributing members	74	10	52	169	125	4	17
Number of inactive members	78	18	29	158	72	0	14
Average age of contributing members	44.6 years	40.8 years	47.0 years	41.1 years	40.2 years	59.1 years	38.0 years
Average length of service of contributing members	8.5 years	7.7 years	11.8 years	10.7 years	12.2 years	4.2 years	6.3 years

	Big Lake	Big Sandy	Big Spring	Bishop	Blanco	Blooming Grove	Blossom
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,654,696	\$99,218	\$23,086,520	\$1,305,945	\$430,905	\$303,653	\$467,494
b. Noncontributing Members	780,128	150,346	4,930,157	282,158	286,659	91,236	67,743
c. Annuitants	3,168,546	778,245	33,450,448	1,187,452	356,421	157,845	336,760
2. Total Actuarial Accrued Liability	\$7,603,370	\$1,027,809	\$61,467,125	\$2,775,555	\$1,073,985	\$552,734	\$871,997
3. Actuarial value of assets	5,830,328	984,968	51,433,491	2,832,841	1,080,606	492,703	913,778
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,773,042	\$42,841	\$10,033,634	(\$57,286)	(\$6,621)	\$60,031	(\$41,781)
5. Funded Ratio: (3) / (2)	76.7%	95.8%	83.7%	102.1%	100.6%	89.1%	104.8%
6. Annual Payroll	\$1,424,253	\$467,373	\$9,860,230	\$855,990	\$1,088,531	\$188,479	\$204,495
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	7.91%	1.37%	8.66%	3.16%	5.94%	6.76%	5.61%
Prior Service	9.91%	1.49%	8.72%	-0.26%	-0.02%	4.41%	-0.80%
Total Retirement	17.82%	2.86%	17.38%	2.90%	5.92%	11.17%	4.81%
Supplemental Death	0.26%	0.43%	0.42%	0.35%	0.20%	0.24%	0.96%
Total Rate	18.08%	3.29%	17.80%	3.25%	6.12%	11.41%	5.77%
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	7.50%	N/A	11.50%	13.50%	N/A	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	17.4 years	7.1 years	16.8 years	N/A	N/A	8.6 years	N/A
Number of annuitants	12	8	168	16	7	2	4
Number of active contributing members	28	10	173	23	22	5	4
Number of inactive members	8	12	92	19	32	2	1
Average age of contributing members	43.6 years	38.0 years	42.1 years	48.7 years	40.3 years	45.5 years	55.3 years
Average length of service of contributing members	8.0 years	3.9 years	7.3 years	8.7 years	4.9 years	12.3 years	14.0 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Blue Mound	Blue Ridge	Boerne	Bogata	Bonham	Booker	Borger
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$521,150	\$88,789	\$48,600,315	\$198,516	\$11,654,343	\$823,914	\$28,274,792
b. Noncontributing Members	266,242	73,734	4,679,823	36,095	2,762,261	176,109	2,787,302
c. Annuitants	251,586	11,883	27,960,454	85,461	6,783,775	147,650	20,195,840
2. Total Actuarial Accrued Liability	\$1,038,978	\$174,406	\$81,240,592	\$320,072	\$21,200,379	\$1,147,673	\$51,257,934
3. Actuarial value of assets	1,005,783	225,201	63,228,653	417,564	18,904,649	1,123,942	46,243,343
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$33,195	(\$50,795)	\$18,011,939	(\$97,492)	\$2,295,730	\$23,731	\$5,014,591
5. Funded Ratio: (3) / (2)	96.8%	129.1%	77.8%	130.5%	89.2%	97.9%	90.2%
6. Annual Payroll	\$1,172,119	\$266,691	\$17,721,004	\$345,013	\$5,452,291	\$524,373	\$9,386,726
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	4.61%	2.81%	12.01%	1.43%	6.43%	5.51%	8.83%
Prior Service	0.20%	-0.74%	6.75%	-1.10%	3.20%	0.42%	4.00%
Total Retirement	4.81%	2.07%	18.76%	0.33%	9.63%	5.93%	12.83%
Supplemental Death	0.14%	0.36%	0.17%	0.26%	0.00%	0.32%	0.32%
Total Rate	4.95%	2.43%	18.93%	0.59%	9.63%	6.25%	13.15%
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	N/A	7.50%	12.50%	9.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	20.9 years	N/A	22.9 years	N/A	18.6 years	14.5 years	19.1 years
Number of annuitants	8	1	95	3	57	2	90
Number of active contributing members	23	6	270	9	111	10	164
Number of inactive members	32	5	105	7	146	14	67
Average age of contributing members	42.2 years	46.6 years	44.2 years	43.9 years	44.7 years	51.6 years	43.0 years
Average length of service of contributing members	9.1 years	3.1 years	10.4 years	7.3 years	10.7 years	9.2 years	10.1 years

	Bovina	Bowie	Boyd	Brady	Brazoria	Breckenridge	Bremond
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$189,593	\$8,372,729	\$549,361	\$6,470,426	\$1,979,531	\$2,253,956	\$677,171
b. Noncontributing Members	60,147	1,740,243	339,715	2,182,219	631,506	512,519	190,990
c. Annuitants	124,436	8,037,157	401,106	3,673,379	2,435,016	5,736,997	18,560
2. Total Actuarial Accrued Liability	\$374,176	\$18,150,129	\$1,290,182	\$12,326,024	\$5,046,053	\$8,503,472	\$886,721
3. Actuarial value of assets	464,316	17,067,634	1,306,049	11,712,807	5,097,260	8,005,543	810,121
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$90,140)	\$1,082,495	(\$15,867)	\$613,217	(\$51,207)	\$497,929	\$76,600
5. Funded Ratio: (3) / (2)	124.1%	94.0%	101.2%	95.0%	101.0%	94.1%	91.4%
6. Annual Payroll	\$376,077	\$4,002,376	\$880,490	\$4,625,846	\$1,257,384	\$2,237,714	\$259,069
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	1.07%	7.21%	3.90%	8.32%	5.98%	4.71%	6.66%
Prior Service	-0.93%	2.16%	-0.07%	0.92%	-0.16%	1.55%	9.15%
Total Retirement	0.14%	9.37%	3.83%	9.24%	5.82%	6.26%	15.81%
Supplemental Death	0.38%	0.35%	0.00%	0.29%	0.34%	0.36%	0.67%
Total Rate	0.52%	9.72%	3.83%	9.53%	6.16%	6.62%	16.48%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	11.50%	11.50%	12.50%	11.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	18.9 years	N/A	21.4 years	N/A	23.1 years	3.5 years
Number of annuitants	3	72	7	58	21	53	1
Number of active contributing members	11	84	18	95	25	61	6
Number of inactive members	13	71	26	119	18	54	15
Average age of contributing members	40.4 years	45.4 years	39.6 years	45.8 years	42.0 years	41.6 years	53.6 years
Average length of service of contributing members	5.8 years	10.2 years	7.9 years	8.2 years	7.9 years	7.6 years	16.2 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Brenham	Bridge City	Bridgeport	Bronte	Brookshire	Brownfield	Brownsboro
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$21,413,927	\$8,878,566	\$5,216,218	\$354,440	\$4,100,104	\$7,999,865	\$184,343
b. Noncontributing Members	5,174,127	1,564,921	2,962,234	14,725	1,618,979	601,818	42,056
c. Annuitants	25,689,118	12,038,707	6,489,677	141,420	1,441,927	10,772,659	221,241
2. Total Actuarial Accrued Liability	\$52,277,172	\$22,482,194	\$14,668,129	\$510,585	\$7,161,010	\$19,374,342	\$447,640
3. Actuarial value of assets	47,810,725	19,974,424	12,648,424	443,541	6,529,997	21,391,840	177,663
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$4,466,447	\$2,507,770	\$2,019,705	\$67,044	\$631,013	(\$2,017,498)	\$269,977
5. Funded Ratio: (3) / (2)	91.5%	88.8%	86.2%	86.9%	91.2%	110.4%	39.7%
6. Annual Payroll	\$11,906,366	\$3,855,117	\$3,715,213	\$139,706	\$1,972,369	\$3,989,679	\$307,757
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.04%	9.68%	9.28%	2.06%	6.95%	5.46%	1.70%
Prior Service	4.94%	4.31%	3.93%	8.83%	2.20%	-1.97%	9.22%
Total Retirement	9.98%	13.99%	13.21%	10.89%	9.15%	3.49%	10.92%
Supplemental Death	0.00%	0.30%	0.21%	0.24%	0.14%	0.00%	0.34%
Total Rate	9.98%	14.29%	13.42%	11.13%	9.29%	3.49%	11.26%
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	N/A	12.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	9.1 years	23.0 years	23.0 years	6.4 years	21.7 years	N/A	12.0 years
Number of annuitants	151	55	48	1	13	51	1
Number of active contributing members	201	56	71	3	42	84	8
Number of inactive members	152	26	84	1	41	33	4
Average age of contributing members	42.4 years	45.2 years	42.1 years	59.2 years	41.9 years	43.4 years	48.0 years
Average length of service of contributing members	10.8 years	10.0 years	7.8 years	20.7 years	8.0 years	10.1 years	7.0 years

	Brownsville	Brownsville PUB	Brownwood	Brownwood Health Dept.	Brownwood Public Library	Bruceville-Eddy	Bryan
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$222,035,673	\$116,839,868	\$25,013,969	\$863,615	\$175,072	\$392,185	\$200,566,183
b. Noncontributing Members	16,645,315	10,176,892	4,569,766	156,594	5,466	395,483	32,235,655
c. Annuitants	175,169,388	78,967,795	27,579,479	751,780	159,789	459,177	156,326,783
2. Total Actuarial Accrued Liability	\$413,850,376	\$205,984,555	\$57,163,214	\$1,771,989	\$340,327	\$1,246,845	\$389,128,621
3. Actuarial value of assets	372,427,900	177,179,450	51,143,792	1,537,086	396,350	1,347,111	388,221,233
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$41,422,476	\$28,805,105	\$6,019,422	\$234,903	(\$56,023)	(\$100,266)	\$907,388
5. Funded Ratio: (3) / (2)	90.0%	86.0%	89.5%	86.7%	116.5%	108.0%	99.8%
6. Annual Payroll	\$63,938,139	\$32,060,014	\$10,899,769	\$487,358	\$177,805	\$563,507	\$65,402,688
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	10.84%	10.32%	8.86%	7.87%	5.28%	5.78%	9.08%
Prior Service	6.06%	6.87%	4.25%	4.22%	-1.23%	-0.69%	0.10%
Total Retirement	16.90%	17.19%	13.11%	12.09%	4.05%	5.09%	9.18%
Supplemental Death	0.24%	0.27%	0.00%	0.00%	0.00%	0.38%	0.00%
Total Rate	17.14%	17.46%	13.11%	12.09%	4.05%	5.47%	9.18%
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	11.50%	11.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	14.0 years	18.5 years	18.3 years	15.3 years	N/A	N/A	20.0 years
Number of annuitants	662	306	153	12	3	8	653
Number of active contributing members	1,076	575	225	12	8	12	888
Number of inactive members	361	125	90	2	4	24	488
Average age of contributing members	43.5 years	43.5 years	43.9 years	47.4 years	61.8 years	43.1 years	42.1 years
Average length of service of contributing members	11.9 years	12.0 years	9.4 years	11.1 years	8.6 years	6.8 years	11.8 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Bryson	Buda	Buffalo	Bullard	Bulverde	Bunker Hill Village	Burkburnett
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$103,223	\$11,110,941	\$481,926	\$2,365,725	\$1,209,032	\$2,280,676	\$6,521,046
b. Noncontributing Members	48,990	2,069,474	135,147	294,350	986,121	349,847	2,304,102
c. Annuitants	296,778	2,070,311	952,845	306,380	1,178,996	1,117,700	7,023,023
2. Total Actuarial Accrued Liability	\$448,991	\$15,250,726	\$1,569,918	\$2,966,455	\$3,374,149	\$3,748,223	\$15,848,171
3. Actuarial value of assets	650,699	13,001,764	1,670,870	2,291,742	3,181,843	3,687,157	14,322,833
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$201,708)	\$2,248,962	(\$100,952)	\$674,713	\$192,306	\$61,066	\$1,525,338
5. Funded Ratio: (3) / (2)	144.9%	85.3%	106.4%	77.3%	94.3%	98.4%	90.4%
6. Annual Payroll	\$95,701	\$7,164,520	\$727,124	\$1,317,307	\$1,783,980	\$686,701	\$3,380,750
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	6.34%	12.22%	4.65%	7.06%	8.42%	9.47%	7.39%
Prior Service	-6.34%	2.08%	-0.54%	3.46%	0.77%	1.13%	3.24%
Total Retirement	0.00%	14.30%	4.11%	10.52%	9.19%	10.60%	10.63%
Supplemental Death	0.00%	0.15%	0.43%	0.19%	0.12%	0.26%	0.39%
Total Rate	0.00%	14.45%	4.54%	10.71%	9.31%	10.86%	11.02%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	11.50%	12.50%	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	23.0 years	N/A	22.3 years	20.4 years	9.6 years	20.3 years
Number of annuitants	1	17	11	6	13	5	57
Number of active contributing members	3	118	18	26	29	7	74
Number of inactive members	3	72	10	17	37	7	35
Average age of contributing members	52.0 years	43.7 years	50.5 years	44.9 years	41.3 years	55.8 years	44.5 years
Average length of service of contributing members	7.5 years	7.2 years	5.0 years	11.8 years	6.6 years	19.0 years	8.9 years

	Burleson	Burnet	Byers	Cactus	Caddo Mills	Caldwell	Calvert
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$64,633,928	\$11,807,213	\$27,292	\$1,473,129	\$501,155	\$6,038,776	\$178,715
b. Noncontributing Members	13,259,396	2,746,919	0	295,652	131,840	668,447	56,357
c. Annuitants	43,769,371	14,188,833	0	529,980	145,786	5,327,786	98,590
2. Total Actuarial Accrued Liability	\$121,662,695	\$28,742,965	\$27,292	\$2,298,761	\$778,781	\$12,035,009	\$333,662
3. Actuarial value of assets	100,338,138	25,127,896	2,343	2,226,030	743,537	11,788,614	428,178
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$21,324,557	\$3,615,069	\$24,949	\$72,731	\$35,244	\$246,395	(\$94,516)
5. Funded Ratio: (3) / (2)	82.5%	87.4%	8.6%	96.8%	95.5%	98.0%	128.3%
6. Annual Payroll	\$26,414,980	\$6,977,459	\$86,624	\$2,328,460	\$846,941	\$2,400,392	\$504,968
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	11.12%	9.80%	2.38%	5.05%	5.53%	5.77%	1.96%
Prior Service	5.38%	3.42%	4.23%	0.21%	0.37%	1.17%	-0.73%
Total Retirement	16.50%	13.22%	6.61%	5.26%	5.90%	6.94%	1.23%
Supplemental Death	0.14%	0.20%	0.18%	0.22%	0.14%	0.45%	0.29%
Total Rate	16.64%	13.42%	6.79%	5.48%	6.04%	7.39%	1.52%
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	13.50%	N/A	13.50%	N/A	11.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	22.8 years	23.1 years	8.0 years	22.3 years	15.2 years	10.9 years	N/A
Number of annuitants	162	71	0	10	3	32	6
Number of active contributing members	346	117	3	49	18	61	13
Number of inactive members	179	69	0	50	14	30	16
Average age of contributing members	42.3 years	41.5 years	54.2 years	39.6 years	43.8 years	52.5 years	46.5 years
Average length of service of contributing members	11.3 years	9.4 years	9.4 years	4.1 years	5.6 years	12.2 years	5.0 years



**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Cameron	Campbell	Canadian	Caney City	Canton	Canyon	Carmine
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,103,645	\$191,219	\$2,610,345	\$23,214	\$7,127,612	\$13,594,672	\$146,680
b. Noncontributing Members	493,363	0	840,728	13,179	1,944,047	4,156,579	0
c. Annuitants	<u>3,374,070</u>	<u>0</u>	<u>2,242,534</u>	<u>0</u>	<u>3,613,285</u>	<u>16,711,357</u>	<u>1,109</u>
2. Total Actuarial Accrued Liability	\$5,971,078	\$191,219	\$5,693,607	\$36,393	\$12,684,944	\$34,462,608	\$147,789
3. Actuarial value of assets	<u>5,072,263</u>	<u>118,580</u>	<u>4,317,308</u>	<u>48,341</u>	<u>11,500,751</u>	<u>31,888,216</u>	<u>196,859</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$898,815	\$72,639	\$1,376,299	(\$11,948)	\$1,184,193	\$2,574,392	(\$49,070)
5. Funded Ratio: (3) / (2)	84.9%	62.0%	75.8%	132.8%	90.7%	92.5%	133.2%
6. Annual Payroll	\$1,979,991	\$65,083	\$1,082,112	\$127,138	\$3,105,739	\$6,188,491	\$67,767
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.30%	1.48%	9.65%	2.08%	8.15%	10.08%	2.81%
Prior Service	<u>3.39%</u>	<u>39.42%</u>	<u>8.41%</u>	<u>-0.37%</u>	<u>2.70%</u>	<u>3.43%</u>	<u>-2.81%</u>
Total Retirement	8.69%	40.90%	18.06%	1.71%	10.85%	13.51%	0.00%
Supplemental Death	<u>0.29%</u>	<u>0.18%</u>	<u>0.26%</u>	<u>0.08%</u>	<u>0.25%</u>	<u>0.20%</u>	<u>0.05%</u>
Total Rate	8.98%	41.08%	18.32%	1.79%	11.10%	13.71%	0.05%
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	N/A	N/A	N/A	7.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	19.6 years	3.0 years	23.1 years	N/A	20.8 years	16.6 years	N/A
Number of annuitants	39	0	10	0	33	56	2
Number of active contributing members	46	2	20	3	69	105	2
Number of inactive members	34	0	8	8	61	45	0
Average age of contributing members	43.6 years	60.5 years	45.0 years	43.7 years	47.0 years	42.7 years	42.9 years
Average length of service of contributing members	8.3 years	23.2 years	10.4 years	2.7 years	9.9 years	9.3 years	17.0 years

	Carrizo Springs	Carrollton	Carthage	Castle Hills	Castroville	Cedar Hill	Cedar Park
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,471,731	\$172,533,360	\$13,622,046	\$6,849,863	\$1,412,112	\$67,395,135	\$83,488,560
b. Noncontributing Members	400,685	61,873,607	1,770,986	1,602,817	1,640,035	12,076,506	12,944,224
c. Annuitants	<u>3,191,460</u>	<u>232,592,496</u>	<u>19,251,982</u>	<u>12,018,443</u>	<u>3,435,744</u>	<u>45,976,574</u>	<u>26,213,645</u>
2. Total Actuarial Accrued Liability	\$5,063,876	\$466,999,463	\$34,645,014	\$20,471,123	\$6,487,891	\$125,448,215	\$122,646,429
3. Actuarial value of assets	<u>4,948,699</u>	<u>452,176,561</u>	<u>30,130,979</u>	<u>18,399,904</u>	<u>5,971,061</u>	<u>110,056,604</u>	<u>98,228,729</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$115,177	\$14,822,902	\$4,514,035	\$2,071,219	\$516,830	\$15,391,611	\$24,417,700
5. Funded Ratio: (3) / (2)	97.7%	96.8%	87.0%	89.9%	92.0%	87.7%	80.1%
6. Annual Payroll	\$1,744,220	\$64,112,408	\$4,331,395	\$3,777,618	\$2,195,845	\$24,939,138	\$35,235,275
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	4.73%	8.42%	9.19%	8.43%	7.02%	9.90%	9.75%
Prior Service	<u>0.44%</u>	<u>2.41%</u>	<u>9.34%</u>	<u>4.06%</u>	<u>1.57%</u>	<u>4.38%</u>	<u>4.83%</u>
Total Retirement	5.17%	10.83%	18.53%	12.49%	8.59%	14.28%	14.58%
Supplemental Death	<u>0.42%</u>	<u>0.00%</u>	<u>0.35%</u>	<u>0.28%</u>	<u>0.39%</u>	<u>0.16%</u>	<u>0.12%</u>
Total Rate	5.59%	10.83%	18.88%	12.77%	8.98%	14.44%	14.70%
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)	9.50%	N/A	N/A	N/A	11.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	22.6 years	12.2 years	15.3 years	19.4 years	22.6 years	20.6 years	21.2 years
Number of annuitants	26	737	62	55	39	195	160
Number of active contributing members	50	840	73	62	45	338	485
Number of inactive members	40	677	43	51	66	185	275
Average age of contributing members	47.1 years	41.4 years	46.1 years	42.4 years	47.5 years	42.2 years	41.7 years
Average length of service of contributing members	7.1 years	10.8 years	11.3 years	10.8 years	5.5 years	11.8 years	10.7 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Celeste	Celina	Center	Centerville	Chandler	Charlotte	Chester
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$55,050	\$6,788,265	\$8,206,161	\$962,629	\$595,747	\$377,038	\$349,715
b. Noncontributing Members	49,437	2,815,929	554,016	63,433	121,546	138,937	231,906
c. Annuitants	<u>11,307</u>	<u>1,420,601</u>	<u>6,157,977</u>	<u>123,368</u>	<u>609,528</u>	<u>69,752</u>	<u>0</u>
2. Total Actuarial Accrued Liability	\$115,794	\$11,024,795	\$14,918,154	\$1,149,430	\$1,326,821	\$585,727	\$581,621
3. Actuarial value of assets	<u>103,885</u>	<u>11,118,466</u>	<u>14,067,038</u>	<u>1,047,763</u>	<u>1,021,615</u>	<u>758,841</u>	<u>648,027</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$11,909	(\$93,671)	\$851,116	\$101,667	\$305,206	(\$173,114)	(\$66,406)
5. Funded Ratio: (3) / (2)	89.7%	100.8%	94.3%	91.2%	77.0%	129.6%	111.4%
6. Annual Payroll	\$171,671	\$11,593,306	\$3,414,911	\$237,187	\$1,222,791	\$353,536	\$39,990
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	2.62%	6.26%	9.60%	6.51%	3.43%	4.76%	5.98%
Prior Service	<u>1.08%</u>	<u>-0.03%</u>	<u>1.84%</u>	<u>12.14%</u>	<u>2.62%</u>	<u>-1.91%</u>	<u>-5.98%</u>
Total Retirement	3.70%	6.23%	11.44%	18.65%	6.05%	2.85%	0.00%
Supplemental Death	<u>0.37%</u>	<u>0.10%</u>	<u>0.22%</u>	<u>0.00%</u>	<u>0.24%</u>	<u>0.18%</u>	<u>0.75%</u>
Total Rate	4.07%	6.33%	11.66%	18.65%	6.29%	3.03%	0.75%
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	9.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	7.5 years	N/A	19.4 years	3.8 years	12.1 years	N/A	N/A
Number of annuitants	1	22	44	1	9	1	0
Number of active contributing members	5	174	73	5	27	8	2
Number of inactive members	8	113	20	2	10	11	2
Average age of contributing members	56.3 years	39.9 years	41.9 years	59.6 years	50.8 years	49.5 years	73.8 years
Average length of service of contributing members	4.6 years	7.5 years	9.4 years	17.7 years	7.3 years	6.6 years	31.1 years

	Chico	Childress	Chillicothe	Chireno	Christine	Cibola	Cisco
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$130,908	\$4,611,337	\$166,613	\$1,115,047	\$31,574	\$12,449,520	\$2,068,876
b. Noncontributing Members	141,037	631,442	91,515	0	0	2,184,543	353,753
c. Annuitants	<u>204,400</u>	<u>5,256,257</u>	<u>0</u>	<u>981,347</u>	<u>15,279</u>	<u>3,849,833</u>	<u>1,836,277</u>
2. Total Actuarial Accrued Liability	\$476,345	\$10,499,036	\$258,128	\$2,096,394	\$46,853	\$18,483,896	\$4,258,906
3. Actuarial value of assets	<u>445,761</u>	<u>8,349,225</u>	<u>205,565</u>	<u>1,621,430</u>	<u>56,093</u>	<u>16,597,792</u>	<u>4,209,635</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$30,584	\$2,149,811	\$52,563	\$474,964	(\$9,240)	\$1,886,104	\$49,271
5. Funded Ratio: (3) / (2)	93.6%	79.5%	79.6%	77.3%	119.7%	89.8%	98.8%
6. Annual Payroll	\$206,325	\$2,023,666	\$242,091	\$296,750	\$37,369	\$8,209,372	\$1,529,337
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	2.10%	9.30%	2.24%	10.03%	0.76%	10.38%	6.20%
Prior Service	<u>2.06%</u>	<u>7.05%</u>	<u>4.09%</u>	<u>12.34%</u>	<u>-0.76%</u>	<u>1.54%</u>	<u>0.23%</u>
Total Retirement	4.16%	16.35%	6.33%	22.37%	0.00%	11.92%	6.43%
Supplemental Death	<u>1.02%</u>	<u>0.41%</u>	<u>0.18%</u>	<u>0.55%</u>	<u>0.00%</u>	<u>0.13%</u>	<u>0.09%</u>
Total Rate	5.18%	16.76%	6.51%	22.92%	0.00%	12.05%	6.52%
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	N/A	N/A	N/A	13.50%	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	8.8 years	22.9 years	6.0 years	18.3 years	N/A	22.6 years	20.6 years
Number of annuitants	5	41	0	4	2	39	20
Number of active contributing members	5	55	6	6	1	150	38
Number of inactive members	5	51	3	0	0	96	37
Average age of contributing members	55.1 years	47.3 years	56.8 years	47.7 years	37.9 years	40.8 years	40.5 years
Average length of service of contributing members	7.6 years	7.8 years	7.9 years	14.5 years	11.3 years	8.6 years	8.0 years

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**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Clarendon	Clarkville	Clarkville City	Clear Lake Shores	Cleburne	Cleveland	Clifton
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$453,040	\$612,898	\$143,099	\$1,242,896	\$30,269,695	\$6,645,053	\$1,527,642
b. Noncontributing Members	142,171	603,177	42,413	344,882	8,913,085	1,971,880	424,876
c. Annuitants	331,875	1,774,083	1,085,924	940,994	59,781,601	5,783,424	643,760
2. Total Actuarial Accrued Liability	\$927,086	\$2,990,158	\$1,271,436	\$2,528,772	\$98,964,381	\$14,400,357	\$2,596,278
3. Actuarial value of assets	1,084,051	3,757,913	1,364,966	2,291,091	82,357,751	12,258,078	2,719,316
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$156,965)	(\$767,755)	(\$93,530)	\$237,681	\$16,606,630	\$2,142,279	(\$123,038)
5. Funded Ratio: (3) / (2)	116.9%	125.7%	107.4%	90.6%	83.2%	85.1%	104.7%
6. Annual Payroll	\$557,444	\$824,111	\$202,253	\$1,093,690	\$16,096,127	\$4,282,282	\$1,235,453
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	2.42%	6.53%	5.53%	9.13%	7.92%	6.49%	2.07%
Prior Service	-1.10%	-3.63%	-1.80%	1.53%	8.03%	3.75%	-0.39%
Total Retirement	1.32%	2.90%	3.73%	10.66%	15.95%	10.24%	1.68%
Supplemental Death	0.56%	0.27%	0.49%	0.15%	0.33%	0.25%	0.36%
Total Rate	1.88%	3.17%	4.22%	10.81%	16.28%	10.49%	2.04%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	3.07%	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	11.50%	N/A	12.50%	N/A	11.50%	7.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	N/A	N/A	20.9 years	18.4 years	19.5 years	N/A
Number of annuitants	9	24	7	5	233	51	17
Number of active contributing members	13	23	4	18	290	95	25
Number of inactive members	19	54	4	17	217	78	18
Average age of contributing members	49.5 years	40.5 years	39.1 years	45.0 years	43.0 years	39.0 years	51.2 years
Average length of service of contributing members	8.8 years	5.1 years	4.9 years	8.7 years	8.9 years	7.6 years	11.0 years

	Clute	Clyde	Coahoma	Cockrell Hill	Coleman	College Station	Colleyville
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$7,929,283	\$2,846,102	\$483,316	\$2,723,492	\$5,699,970	\$147,885,924	\$32,360,713
b. Noncontributing Members	3,075,344	420,305	155,633	1,149,984	2,227,430	33,155,593	8,280,463
c. Annuitants	12,989,556	1,919,485	299,152	1,541,252	9,141,564	152,117,915	28,628,789
2. Total Actuarial Accrued Liability	\$23,994,183	\$5,185,892	\$938,101	\$5,414,728	\$17,068,964	\$333,159,432	\$69,269,965
3. Actuarial value of assets	24,128,867	4,483,641	949,970	5,711,364	14,979,213	296,878,979	66,813,347
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$134,684)	\$702,251	(\$11,869)	(\$296,636)	\$2,089,751	\$36,280,453	\$2,456,618
5. Funded Ratio: (3) / (2)	100.6%	86.5%	101.3%	105.5%	87.8%	89.1%	96.5%
6. Annual Payroll	\$5,509,033	\$1,381,562	\$268,262	\$1,441,832	\$2,573,046	\$62,106,497	\$15,055,386
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	10.03%	10.09%	6.59%	9.56%	9.48%	8.57%	8.61%
Prior Service	-0.10%	3.38%	-0.17%	-0.80%	8.01%	4.51%	1.16%
Total Retirement	9.93%	13.47%	6.42%	8.76%	17.49%	13.08%	9.77%
Supplemental Death	0.20%	0.26%	0.42%	0.26%	0.00%	0.00%	0.19%
Total Rate	10.13%	13.73%	6.84%	9.02%	17.49%	13.08%	9.96%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	13.50%	11.50%	13.50%	N/A	N/A	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	22.9 years	N/A	N/A	13.3 years	18.3 years	20.5 years
Number of annuitants	70	16	4	18	61	529	158
Number of active contributing members	100	31	5	29	54	912	191
Number of inactive members	95	26	3	37	42	611	148
Average age of contributing members	41.1 years	47.3 years	54.9 years	43.6 years	46.2 years	40.3 years	42.2 years
Average length of service of contributing members	7.4 years	10.8 years	11.9 years	10.7 years	10.3 years	10.2 years	11.8 years

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**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Collinsville	Colmesneil	Colorado City	Columbus	Comanche	Combes	Commerce
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$250,453	\$254,049	\$2,425,724	\$4,856,664	\$935,772	\$357,771	\$3,579,659
b. Noncontributing Members	2,249	653	1,230,718	1,232,522	349,167	112,077	2,987,029
c. Annuitants	298,560	88,108	2,743,085	3,275,165	2,189,190	224,461	6,255,366
2. Total Actuarial Accrued Liability	\$551,262	\$342,810	\$6,399,527	\$9,364,351	\$3,474,129	\$694,309	\$12,822,054
3. Actuarial value of assets	530,657	310,552	6,743,522	8,842,925	3,215,551	244,079	12,379,804
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$20,605	\$32,258	(\$343,995)	\$521,426	\$258,578	\$450,230	\$442,250
5. Funded Ratio: (3) / (2)	96.3%	90.6%	105.4%	94.4%	92.6%	35.2%	96.6%
6. Annual Payroll	\$339,244	\$157,968	\$1,611,956	\$1,960,168	\$1,221,023	\$643,806	\$2,968,639
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.80%	3.74%	7.77%	7.76%	3.19%	1.46%	6.56%
Prior Service	0.65%	5.10%	-0.83%	2.27%	1.63%	5.07%	1.10%
Total Retirement	6.45%	8.84%	6.94%	10.03%	4.82%	6.53%	7.66%
Supplemental Death	0.33%	0.08%	0.62%	0.33%	0.38%	0.00%	0.40%
Total Rate	6.78%	8.92%	7.56%	10.36%	5.20%	6.53%	8.06%
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)	12.50%	N/A	12.50%	N/A	7.50%	N/A	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	11.8 years	4.4 years	N/A	15.9 years	19.4 years	20.0 years	20.6 years
Number of annuitants	6	1	34	33	23	1	68
Number of active contributing members	7	4	40	39	31	19	68
Number of inactive members	2	1	44	23	11	12	104
Average age of contributing members	50.0 years	40.8 years	46.2 years	45.4 years	43.7 years	41.3 years	39.3 years
Average length of service of contributing members	15.4 years	9.5 years	6.9 years	11.5 years	7.3 years	5.8 years	7.5 years

	Conroe	Converse	Cooper	Coppell	Copper Canyon	Copperas Cove	Corinth
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$92,459,594	\$14,585,512	\$720,397	\$99,112,811	\$407,443	\$25,943,107	\$26,316,883
b. Noncontributing Members	13,100,004	5,336,702	52,004	17,556,618	44,082	9,493,004	8,649,862
c. Annuitants	59,603,680	14,915,691	909,649	72,979,986	130,112	34,921,254	14,328,123
2. Total Actuarial Accrued Liability	\$165,163,278	\$34,837,905	\$1,682,050	\$189,649,415	\$581,637	\$70,357,365	\$49,294,868
3. Actuarial value of assets	140,095,506	29,747,155	1,553,138	167,717,384	565,064	62,349,016	43,065,076
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$25,067,772	\$5,090,750	\$128,912	\$21,932,031	\$16,573	\$8,008,349	\$6,229,792
5. Funded Ratio: (3) / (2)	84.8%	85.4%	92.3%	88.4%	97.2%	88.6%	87.4%
6. Annual Payroll	\$33,787,487	\$8,920,837	\$486,950	\$32,689,880	\$256,640	\$13,862,509	\$11,784,820
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	10.11%	10.07%	3.18%	11.37%	9.37%	8.36%	11.48%
Prior Service	6.14%	3.77%	2.44%	4.90%	1.99%	3.96%	3.55%
Total Retirement	16.25%	13.84%	5.62%	16.27%	11.36%	12.32%	15.03%
Supplemental Death	0.00%	0.16%	0.34%	0.16%	0.31%	0.30%	0.16%
Total Rate	16.25%	14.00%	5.96%	16.43%	11.67%	12.62%	15.19%
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)	N/A	N/A	8.50%	N/A	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	16.5 years	23.1 years	14.3 years	19.8 years	3.5 years	23.1 years	22.9 years
Number of annuitants	198	72	8	267	4	245	95
Number of active contributing members	477	168	13	389	3	280	160
Number of inactive members	195	181	6	222	2	254	139
Average age of contributing members	41.7 years	39.4 years	50.4 years	42.9 years	58.1 years	42.0 years	42.4 years
Average length of service of contributing members	10.1 years	7.8 years	11.7 years	12.1 years	15.5 years	10.8 years	12.7 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Corpus Christi	Corrigan	Corsicana	Cottonwood Shores	Cotulla	Crandall	Crane
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$386,236,105	\$734,084	\$26,980,945	\$191,830	\$1,847,286	\$2,446,727	\$2,542,985
b. Noncontributing Members	54,716,661	162,797	5,590,033	326	74,750	910,151	257,915
c. Annuitants	<u>497,057,687</u>	<u>896,692</u>	<u>29,149,675</u>	<u>0</u>	<u>960,682</u>	<u>1,287,724</u>	<u>4,065,088</u>
2. Total Actuarial Accrued Liability	\$938,010,453	\$1,793,573	\$61,720,653	\$192,156	\$2,882,718	\$4,644,602	\$6,865,988
3. Actuarial value of assets	<u>805,750,856</u>	<u>1,816,793</u>	<u>55,445,499</u>	<u>19,557</u>	<u>2,491,538</u>	<u>4,691,499</u>	<u>7,349,005</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$132,259,597	(\$23,220)	\$6,275,154	\$172,599	\$391,180	(\$46,897)	(\$483,017)
5. Funded Ratio: (3) / (2)	85.9%	101.3%	89.8%	10.2%	86.4%	101.0%	107.0%
6. Annual Payroll	\$145,880,075	\$1,165,024	\$9,165,832	\$824,219	\$1,850,194	\$1,767,427	\$1,509,438
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	8.56%	3.54%	7.72%	2.02%	4.49%	10.96%	9.26%
Prior Service	<u>8.46%</u>	<u>-0.08%</u>	<u>6.35%</u>	<u>1.52%</u>	<u>1.46%</u>	<u>-0.10%</u>	<u>-1.25%</u>
Total Retirement	17.02%	3.46%	14.07%	3.54%	5.95%	10.86%	8.01%
Supplemental Death	<u>0.00%</u>	<u>0.35%</u>	<u>0.34%</u>	<u>0.31%</u>	<u>0.28%</u>	<u>0.17%</u>	<u>0.22%</u>
Total Rate	17.02%	3.81%	14.41%	3.85%	6.23%	11.03%	8.23%
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	11.50%	N/A	N/A	11.50%	13.50%	15.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	14.5 years	N/A	15.2 years	20.0 years	21.4 years	N/A	N/A
Number of annuitants	2,377	15	163	0	16	15	16
Number of active contributing members	2,522	27	153	15	45	33	24
Number of inactive members	1,421	48	89	1	30	42	8
Average age of contributing members	44.0 years	41.2 years	44.8 years	48.7 years	47.3 years	41.8 years	46.5 years
Average length of service of contributing members	10.1 years	6.2 years	12.7 years	5.8 years	5.7 years	7.3 years	9.3 years

	Crawford	Creedmoor	Crockett	Crosbyton	Cross Plains	Cross Roads	Crowell
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$91,441	\$34,552	\$4,550,453	\$337,530	\$970,886	\$500,907	\$68,646
b. Noncontributing Members	12,326	0	630,083	220,821	187,879	54,019	2,851
c. Annuitants	<u>58,536</u>	<u>0</u>	<u>7,298,743</u>	<u>721,841</u>	<u>313,938</u>	<u>31,890</u>	<u>44,374</u>
2. Total Actuarial Accrued Liability	\$162,303	\$34,552	\$12,479,279	\$1,280,192	\$1,472,703	\$586,816	\$115,871
3. Actuarial value of assets	<u>186,033</u>	<u>4,114</u>	<u>10,937,208</u>	<u>1,553,168</u>	<u>1,418,218</u>	<u>546,891</u>	<u>43,375</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$23,730)	\$30,438	\$1,542,071	(\$272,976)	\$54,485	\$39,925	\$72,496
5. Funded Ratio: (3) / (2)	114.6%	11.9%	87.6%	121.3%	96.3%	93.2%	37.4%
6. Annual Payroll	\$224,201	\$160,039	\$2,375,663	\$392,364	\$417,092	\$904,797	\$187,502
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	1.55%	2.69%	8.96%	5.45%	5.38%	7.00%	1.54%
Prior Service	<u>-0.41%</u>	<u>2.80%</u>	<u>5.25%</u>	<u>-2.71%</u>	<u>1.88%</u>	<u>0.48%</u>	<u>4.36%</u>
Total Retirement	1.14%	5.49%	14.21%	2.74%	7.26%	7.48%	5.90%
Supplemental Death	<u>0.00%</u>	<u>0.21%</u>	<u>0.52%</u>	<u>1.11%</u>	<u>0.23%</u>	<u>0.07%</u>	<u>0.13%</u>
Total Rate	1.14%	5.70%	14.73%	3.85%	7.49%	7.55%	6.03%
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)	7.50%	N/A	N/A	10.50%	9.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	8.0 years	19.0 years	N/A	8.2 years	11.4 years	11.0 years
Number of annuitants	1	0	63	11	3	1	1
Number of active contributing members	5	3	55	11	9	12	8
Number of inactive members	3	0	55	16	5	3	4
Average age of contributing members	41.9 years	58.4 years	42.8 years	46.4 years	49.8 years	41.1 years	44.1 years
Average length of service of contributing members	14.5 years	2.4 years	7.7 years	5.6 years	11.8 years	11.8 years	3.7 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Crowley	Crystal City	Cuero	Cumby	Daingerfield	Daisetta	Dalhart
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$12,986,989	\$1,503,462	\$8,744,638	\$73,569	\$1,197,882	\$118,553	\$3,357,894
b. Noncontributing Members	2,864,400	712,145	1,672,288	111,506	564,369	143,246	1,065,571
c. Annuitants	<u>8,320,313</u>	<u>1,556,478</u>	<u>6,246,073</u>	<u>150,708</u>	<u>1,158,453</u>	<u>29,131</u>	<u>4,273,871</u>
2. Total Actuarial Accrued Liability	\$24,171,702	\$3,772,085	\$16,662,999	\$335,783	\$2,920,704	\$290,930	\$8,697,336
3. Actuarial value of assets	<u>21,011,330</u>	<u>4,515,326</u>	<u>14,615,961</u>	<u>314,204</u>	<u>2,912,923</u>	<u>341,881</u>	<u>9,109,581</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$3,160,372	(\$743,241)	\$2,047,038	\$21,579	\$7,781	(\$50,951)	(\$412,245)
5. Funded Ratio: (3) / (2)	86.9%	119.7%	87.7%	93.6%	99.7%	117.5%	104.7%
6. Annual Payroll	\$7,017,830	\$1,596,636	\$4,935,233	\$463,856	\$872,633	\$197,637	\$2,998,564
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	8.20%	3.90%	6.97%	1.47%	5.74%	1.70%	4.77%
Prior Service	<u>2.96%</u>	<u>-1.81%</u>	<u>2.74%</u>	<u>0.42%</u>	<u>0.06%</u>	<u>-1.00%</u>	<u>-0.54%</u>
Total Retirement	11.16%	2.09%	9.71%	1.89%	5.80%	0.70%	4.23%
Supplemental Death	<u>0.14%</u>	<u>0.00%</u>	<u>0.29%</u>	<u>0.14%</u>	<u>0.00%</u>	<u>0.43%</u>	<u>0.26%</u>
Total Rate	11.30%	2.09%	10.00%	2.03%	5.80%	1.13%	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%	13.50%	11.50%	N/A	9.50%	N/A	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	23.3 years	N/A	23.1 years	14.4 years	20.0 years	N/A	N/A
Number of annuitants	65	23	57	5	15	2	35
Number of active contributing members	114	53	90	10	19	7	64
Number of inactive members	99	84	43	21	13	12	74
Average age of contributing members	41.4 years	42.5 years	45.0 years	38.8 years	46.3 years	47.6 years	40.5 years
Average length of service of contributing members	10.3 years	5.8 years	10.6 years	2.7 years	9.3 years	5.8 years	7.2 years

	Dalworthington Gardens	Danbury	Darrouzett	Dayton	De Leon	DeSoto	Decatur
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,129,585	\$226,394	\$47,992	\$3,731,920	\$187,448	\$56,437,765	\$14,616,870
b. Noncontributing Members	1,800,878	107,165	60,309	2,246,901	228,454	20,309,080	4,656,508
c. Annuitants	<u>4,867,211</u>	<u>247,412</u>	<u>155,273</u>	<u>4,102,269</u>	<u>287,816</u>	<u>60,530,054</u>	<u>11,308,075</u>
2. Total Actuarial Accrued Liability	\$9,797,674	\$580,971	\$263,574	\$10,081,090	\$703,718	\$137,276,899	\$30,581,453
3. Actuarial value of assets	<u>7,538,377</u>	<u>537,552</u>	<u>256,496</u>	<u>9,399,679</u>	<u>653,898</u>	<u>129,964,613</u>	<u>26,820,886</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,259,297	\$43,419	\$7,078	\$681,411	\$49,820	\$7,312,286	\$3,760,567
5. Funded Ratio: (3) / (2)	76.9%	92.5%	97.3%	93.2%	92.9%	94.7%	87.7%
6. Annual Payroll	\$1,785,928	\$273,518	\$105,697	\$5,373,973	\$493,396	\$25,642,011	\$6,474,068
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	11.05%	4.74%	3.95%	5.44%	1.90%	9.16%	10.17%
Prior Service	<u>10.17%</u>	<u>1.72%</u>	<u>1.23%</u>	<u>0.84%</u>	<u>1.10%</u>	<u>1.97%</u>	<u>3.87%</u>
Total Retirement	21.22%	6.46%	5.18%	6.28%	3.00%	11.13%	14.04%
Supplemental Death	<u>0.16%</u>	<u>0.22%</u>	<u>0.35%</u>	<u>0.17%</u>	<u>0.46%</u>	<u>0.21%</u>	<u>0.22%</u>
Total Rate	21.38%	6.68%	5.53%	6.45%	3.46%	11.34%	14.26%
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%	7.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	18.3 years	11.6 years	6.2 years	23.1 years	11.9 years	21.4 years	22.7 years
Number of annuitants	16	2	1	51	6	275	65
Number of active contributing members	27	5	3	100	13	340	106
Number of inactive members	31	10	2	114	16	279	96
Average age of contributing members	42.3 years	51.2 years	62.7 years	39.8 years	47.8 years	43.5 years	43.9 years
Average length of service of contributing members	11.5 years	8.4 years	4.0 years	6.1 years	8.7 years	10.4 years	11.0 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Deer Park	Dekalb	Del Rio	Dell City	Denison	Denton	Denver City
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$77,296,736	\$352,976	\$24,568,511	\$204,640	\$24,636,868	\$234,559,257	\$2,878,151
b. Noncontributing Members	6,969,144	281,531	2,425,563	0	6,708,597	62,539,175	1,159,260
c. Annuityants	64,607,169	335,885	12,241,293	188,050	40,029,362	263,371,678	6,046,254
2. Total Actuarial Accrued Liability	\$148,873,049	\$970,392	\$39,235,367	\$392,690	\$71,374,827	\$560,470,110	\$10,083,665
3. Actuarial value of assets	138,596,340	1,066,793	30,236,802	368,852	66,996,749	479,439,756	9,957,766
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$10,276,709	(\$96,401)	\$8,998,565	\$23,838	\$4,378,078	\$81,030,354	\$125,899
5. Funded Ratio: (3) / (2)	93.1%	109.9%	77.1%	93.9%	93.9%	85.5%	98.8%
6. Annual Payroll	\$22,448,941	\$529,778	\$20,797,841	\$35,988	\$12,784,096	\$104,082,745	\$1,566,307
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	10.45%	3.44%	3.41%	4.75%	8.16%	10.43%	6.73%
Prior Service	3.25%	-0.71%	3.69%	12.44%	3.18%	7.04%	0.85%
Total Retirement	13.70%	2.73%	7.10%	17.19%	11.34%	17.47%	7.58%
Supplemental Death	0.22%	0.26%	0.24%	0.83%	0.00%	0.18%	0.32%
Total Rate	13.92%	2.99%	7.34%	18.02%	11.34%	17.65%	7.90%
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
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	20.6 years	N/A	15.8 years	6.1 years	14.1 years	14.6 years	12.8 years
Number of annuityants	207	12	150	1	181	797	23
Number of active contributing members	316	12	512	1	247	1,293	30
Number of inactive members	153	14	242	0	150	693	29
Average age of contributing members	41.5 years	45.7 years	42.7 years	47.5 years	42.7 years	41.7 years	45.5 years
Average length of service of contributing members	12.3 years	5.6 years	8.9 years	26.3 years	8.5 years	10.1 years	7.9 years

	Deport	Devine	Diboll	Dickens	Dickinson	Dilley	Dimmitt
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,864	\$5,110,199	\$3,556,772	\$46,385	\$11,806,138	\$1,833,707	\$1,453,195
b. Noncontributing Members	12,973	268,795	2,106,951	31,424	4,023,454	226,983	629,781
c. Annuityants	67,646	2,338,884	6,309,488	0	6,291,910	1,088,641	2,679,183
2. Total Actuarial Accrued Liability	\$85,483	\$7,717,878	\$11,973,211	\$77,809	\$22,121,502	\$3,149,331	\$4,762,159
3. Actuarial value of assets	84,726	4,771,623	10,895,082	87,718	20,467,829	2,551,356	5,406,812
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$757	\$2,946,255	\$1,078,129	(\$9,909)	\$1,653,673	\$597,975	(\$644,653)
5. Funded Ratio: (3) / (2)	99.1%	61.8%	91.0%	112.7%	92.5%	81.0%	113.5%
6. Annual Payroll	\$123,392	\$2,021,668	\$1,766,419	\$76,163	\$5,884,083	\$1,607,705	\$981,657
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	2.01%	6.24%	10.33%	2.91%	7.70%	6.58%	6.87%
Prior Service	0.22%	11.09%	4.43%	-0.51%	1.91%	2.55%	-2.56%
Total Retirement	2.23%	17.33%	14.76%	2.40%	9.61%	9.13%	4.31%
Supplemental Death	0.50%	0.24%	0.31%	0.06%	0.19%	0.24%	0.00%
Total Rate	2.73%	17.57%	15.07%	2.46%	9.80%	9.37%	4.31%
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%	12.50%	12.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	3.0 years	18.6 years	22.9 years	N/A	22.0 years	21.8 years	N/A
Number of annuityants	1	16	44	0	42	24	21
Number of active contributing members	4	40	38	2	99	38	26
Number of inactive members	6	16	39	1	95	45	35
Average age of contributing members	48.1 years	45.1 years	41.8 years	49.0 years	44.2 years	42.3 years	47.2 years
Average length of service of contributing members	0.6 years	11.1 years	9.0 years	5.5 years	8.9 years	7.8 years	7.1 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Donna	Double Oak	Dripping Springs	Driscoll	Dublin	Dumas	Duncanville
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$8,689,949	\$709,314	\$974,601	\$43,798	\$1,319,414	\$12,364,224	\$34,343,224
b. Noncontributing Members	1,222,868	145,228	268,138	69,904	935,619	3,410,205	13,458,174
c. Annuitants	<u>3,238,188</u>	<u>241,151</u>	<u>54,701</u>	<u>0</u>	<u>3,022,094</u>	<u>8,925,016</u>	<u>68,998,393</u>
2. Total Actuarial Accrued Liability	\$13,151,005	\$1,095,693	\$1,297,440	\$113,702	\$5,277,127	\$24,699,445	\$116,799,791
3. Actuarial value of assets	<u>9,901,924</u>	<u>1,017,019</u>	<u>1,166,891</u>	<u>119,002</u>	<u>4,619,276</u>	<u>20,180,829</u>	<u>114,896,003</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$3,249,081	\$78,674	\$130,549	(\$5,300)	\$657,851	\$4,518,616	\$1,903,788
5. Funded Ratio: (3) / (2)	75.3%	92.8%	89.9%	104.7%	87.5%	81.7%	98.4%
6. Annual Payroll	\$6,228,232	\$750,305	\$1,919,386	\$145,465	\$1,797,970	\$6,310,086	\$18,702,937
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	7.29%	6.81%	5.23%	2.09%	9.12%	8.24%	5.13%
Prior Service	<u>3.74%</u>	<u>0.97%</u>	<u>0.57%</u>	<u>-0.14%</u>	<u>2.41%</u>	<u>4.75%</u>	<u>1.54%</u>
Total Retirement	11.03%	7.78%	5.80%	1.95%	11.53%	12.99%	6.67%
Supplemental Death	<u>0.00%</u>	<u>0.32%</u>	<u>0.12%</u>	<u>0.65%</u>	<u>0.22%</u>	<u>0.23%</u>	<u>0.00%</u>
Total Rate	11.03%	8.10%	5.92%	2.60%	11.75%	13.22%	6.67%
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)	13.50%	N/A	N/A	N/A	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	20.3 years	14.1 years	16.3 years	N/A	23.1 years	22.9 years	7.8 years
Number of annuitants	36	5	1	0	25	70	252
Number of active contributing members	144	10	35	4	35	113	261
Number of inactive members	101	7	28	13	78	69	213
Average age of contributing members	43.6 years	48.0 years	43.4 years	55.6 years	38.1 years	43.5 years	42.9 years
Average length of service of contributing members	7.1 years	11.7 years	3.3 years	4.0 years	4.5 years	10.2 years	10.1 years

	Eagle Lake	Eagle Pass	Early	Earth	East Bernard	East Mountain	East Tawakoni
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,661,034	\$38,745,746	\$1,818,903	\$66,494	\$91,341	\$8,120	\$286,963
b. Noncontributing Members	765,610	4,596,228	165,949	63,735	519	251,472	112,037
c. Annuitants	<u>2,741,237</u>	<u>35,155,927</u>	<u>960,637</u>	<u>138,894</u>	<u>26,054</u>	<u>129,461</u>	<u>381,104</u>
2. Total Actuarial Accrued Liability	\$5,167,881	\$78,497,901	\$2,945,489	\$269,123	\$117,914	\$389,053	\$780,104
3. Actuarial value of assets	<u>4,953,025</u>	<u>75,161,827</u>	<u>2,951,749</u>	<u>214,930</u>	<u>104,695</u>	<u>403,703</u>	<u>830,756</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$214,856	\$3,336,074	(\$6,260)	\$54,193	\$13,219	(\$14,650)	(\$50,652)
5. Funded Ratio: (3) / (2)	95.8%	95.8%	100.2%	79.9%	88.8%	103.8%	106.5%
6. Annual Payroll	\$1,204,349	\$18,438,488	\$1,457,455	\$206,853	\$179,569	\$72,468	\$396,570
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	8.02%	6.67%	3.90%	1.91%	3.47%	12.09%	6.35%
Prior Service	<u>1.32%</u>	<u>1.94%</u>	<u>-0.02%</u>	<u>2.76%</u>	<u>1.68%</u>	<u>-0.79%</u>	<u>-0.50%</u>
Total Retirement	9.34%	8.61%	3.88%	4.67%	5.15%	11.30%	5.85%
Supplemental Death	<u>0.44%</u>	<u>0.26%</u>	<u>0.19%</u>	<u>0.31%</u>	<u>0.17%</u>	<u>0.26%</u>	<u>0.32%</u>
Total Rate	9.78%	8.87%	4.07%	4.98%	5.32%	11.56%	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)	12.50%	11.50%	9.50%	N/A	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	20.1 years	11.7 years	N/A	12.3 years	4.9 years	N/A	N/A
Number of annuitants	18	197	11	5	1	2	4
Number of active contributing members	25	425	33	7	5	2	11
Number of inactive members	44	204	14	5	1	7	4
Average age of contributing members	48.4 years	41.0 years	43.8 years	47.6 years	50.5 years	44.8 years	49.8 years
Average length of service of contributing members	7.0 years	9.4 years	7.6 years	3.1 years	4.6 years	0.8 years	6.6 years



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	Eastland	Ector	Eden	Edgewood	Edinburg	Edna	El Campo
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,345,519	\$244,475	\$164,473	\$291,870	\$97,883,616	\$3,532,997	\$17,369,751
b. Noncontributing Members	560,579	0	175,885	40,504	11,415,206	1,539,303	2,193,096
c. Annuitants	<u>2,614,232</u>	<u>15,820</u>	<u>958,343</u>	<u>181,533</u>	<u>63,379,528</u>	<u>4,183,962</u>	<u>15,924,412</u>
2. Total Actuarial Accrued Liability	\$5,520,330	\$260,295	\$1,298,701	\$513,907	\$172,678,350	\$9,256,262	\$35,487,259
3. Actuarial value of assets	<u>5,066,252</u>	<u>272,749</u>	<u>1,370,047</u>	<u>453,836</u>	<u>139,559,667</u>	<u>8,517,571</u>	<u>29,353,480</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$454,078	(\$12,454)	(\$71,346)	\$60,071	\$33,118,683	\$738,691	\$6,133,779
5. Funded Ratio: (3) / (2)	91.8%	104.8%	105.5%	88.3%	80.8%	92.0%	82.7%
6. Annual Payroll	\$1,872,923	\$186,792	\$272,610	\$411,877	\$42,195,747	\$1,603,121	\$6,679,514
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	7.25%	1.85%	3.68%	4.45%	8.80%	6.41%	7.05%
Prior Service	<u>1.72%</u>	<u>-0.26%</u>	<u>-1.02%</u>	<u>1.35%</u>	<u>5.66%</u>	<u>4.21%</u>	<u>6.68%</u>
Total Retirement	8.97%	1.59%	2.66%	5.80%	14.46%	10.62%	13.73%
Supplemental Death	<u>0.34%</u>	<u>0.28%</u>	<u>0.50%</u>	<u>0.45%</u>	<u>0.17%</u>	<u>0.48%</u>	<u>0.26%</u>
Total Rate	9.31%	1.87%	3.16%	6.25%	14.63%	11.10%	13.99%
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%	N/A	7.50%	N/A	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	20.6 years	N/A	N/A	14.2 years	20.2 years	15.3 years	19.9 years
Number of annuitants	23	1	15	8	294	32	79
Number of active contributing members	40	4	9	11	878	31	116
Number of inactive members	50	0	8	7	459	35	57
Average age of contributing members	44.9 years	55.4 years	43.7 years	47.9 years	40.1 years	49.0 years	41.2 years
Average length of service of contributing members	9.9 years	12.8 years	4.4 years	7.6 years	8.4 years	11.8 years	11.0 years

	Eldorado	Electra	Elgin	Elkhart	Elmendorf	Emory	Ennis
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,312,304	\$819,502	\$6,573,371	\$250,864	\$281,137	\$1,071,549	\$34,772,028
b. Noncontributing Members	243,901	433,116	3,801,349	162,214	85,192	211,007	3,533,169
c. Annuitants	<u>1,298,342</u>	<u>781,577</u>	<u>5,792,585</u>	<u>344,236</u>	<u>10,559</u>	<u>759,917</u>	<u>39,037,280</u>
2. Total Actuarial Accrued Liability	\$2,854,547	\$2,034,195	\$16,167,305	\$757,314	\$376,888	\$2,042,473	\$77,342,477
3. Actuarial value of assets	<u>2,562,606</u>	<u>1,992,217</u>	<u>13,778,672</u>	<u>760,863</u>	<u>385,618</u>	<u>1,990,248</u>	<u>69,776,466</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$291,941	\$41,978	\$2,388,633	(\$3,549)	(\$8,730)	\$52,225	\$7,566,011
5. Funded Ratio: (3) / (2)	89.8%	97.9%	85.2%	100.5%	102.3%	97.4%	90.2%
6. Annual Payroll	\$804,030	\$1,053,546	\$4,989,411	\$316,892	\$850,522	\$1,087,143	\$12,332,702
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.21%	1.37%	9.98%	3.99%	1.20%	6.43%	12.02%
Prior Service	<u>2.42%</u>	<u>0.41%</u>	<u>3.28%</u>	<u>-0.04%</u>	<u>-0.04%</u>	<u>0.32%</u>	<u>4.75%</u>
Total Retirement	7.63%	1.78%	13.26%	3.95%	1.16%	6.75%	16.77%
Supplemental Death	<u>0.80%</u>	<u>0.48%</u>	<u>0.26%</u>	<u>0.00%</u>	<u>0.07%</u>	<u>0.25%</u>	<u>0.24%</u>
Total Rate	8.43%	2.26%	13.52%	3.95%	1.23%	7.00%	17.01%
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)	10.50%	7.50%	N/A	N/A	N/A	13.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	22.8 years	12.8 years	21.8 years	N/A	N/A	22.9 years	18.1 years
Number of annuitants	7	26	41	5	1	12	147
Number of active contributing members	17	28	90	8	13	24	190
Number of inactive members	22	34	82	15	17	15	64
Average age of contributing members	41.6 years	44.2 years	46.5 years	50.5 years	38.3 years	47.8 years	42.6 years
Average length of service of contributing members	8.6 years	7.5 years	7.6 years	6.0 years	4.5 years	8.1 years	12.0 years

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	Escobares	Eules	Eustace	Everman	Fair Oaks Ranch	Fairfield	Fairview
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$32,976	\$110,227,294	\$509,793	\$2,459,399	\$5,812,272	\$2,543,444	\$9,823,803
b. Noncontributing Members	993	15,147,577	70,372	1,052,519	1,652,549	1,056,216	2,193,003
c. Annuitants	<u>0</u>	<u>112,764,766</u>	<u>322,343</u>	<u>3,754,637</u>	<u>2,653,000</u>	<u>2,645,628</u>	<u>573,054</u>
2. Total Actuarial Accrued Liability	\$33,969	\$238,139,637	\$902,508	\$7,266,555	\$10,117,821	\$6,245,288	\$12,589,860
3. Actuarial value of assets	<u>11,387</u>	<u>218,040,712</u>	<u>795,688</u>	<u>7,023,012</u>	<u>9,288,574</u>	<u>6,509,375</u>	<u>11,142,453</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$22,582	\$20,098,925	\$106,820	\$243,543	\$829,247	(\$264,087)	\$1,447,407
5. Funded Ratio: (3) / (2)	33.5%	91.6%	88.2%	96.6%	91.8%	104.2%	88.5%
6. Annual Payroll	\$87,660	\$31,398,521	\$400,572	\$2,402,910	\$4,077,413	\$1,812,836	\$5,748,087
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	1.63%	11.45%	6.19%	7.08%	10.31%	7.64%	9.38%
Prior Service	<u>3.79%</u>	<u>6.19%</u>	<u>3.93%</u>	<u>0.69%</u>	<u>1.36%</u>	<u>-0.57%</u>	<u>1.71%</u>
Total Retirement	5.42%	17.64%	10.12%	7.77%	11.67%	7.07%	11.09%
Supplemental Death	<u>0.08%</u>	<u>0.00%</u>	<u>0.29%</u>	<u>0.20%</u>	<u>0.14%</u>	<u>0.30%</u>	<u>0.13%</u>
Total Rate	5.50%	17.64%	10.41%	7.97%	11.81%	7.37%	11.22%
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%	11.50%	13.50%	13.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	8.0 years	13.4 years	8.3 years	22.2 years	22.7 years	N/A	22.2 years
Number of annuitants	0	278	8	22	18	26	8
Number of active contributing members	3	373	10	49	65	40	75
Number of inactive members	1	170	7	48	42	23	45
Average age of contributing members	43.7 years	42.8 years	45.6 years	41.8 years	42.5 years	45.1 years	42.6 years
Average length of service of contributing members	7.4 years	14.2 years	6.4 years	7.9 years	6.4 years	6.9 years	10.6 years

	Falfurrias	Falls City	Farmers Branch	Farmersville	Farwell	Fate	Fayetteville
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,044,205	\$214,320	\$101,195,231	\$4,178,819	\$473,546	\$2,652,326	\$140,460
b. Noncontributing Members	365,778	162,299	37,371,344	467,960	101,097	1,502,843	0
c. Annuitants	<u>1,358,086</u>	<u>0</u>	<u>147,734,300</u>	<u>2,254,180</u>	<u>720,714</u>	<u>625,234</u>	<u>28,261</u>
2. Total Actuarial Accrued Liability	\$2,768,069	\$376,619	\$286,300,875	\$6,900,959	\$1,295,357	\$4,780,403	\$168,721
3. Actuarial value of assets	<u>2,786,825</u>	<u>336,547</u>	<u>256,865,149</u>	<u>6,334,498</u>	<u>1,152,670</u>	<u>4,713,238</u>	<u>157,598</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$18,756)	\$40,072	\$29,435,726	\$566,461	\$142,687	\$67,165	\$11,123
5. Funded Ratio: (3) / (2)	100.7%	89.4%	89.7%	91.8%	89.0%	98.6%	93.4%
6. Annual Payroll	\$1,524,648	\$184,201	\$31,704,009	\$2,404,899	\$320,585	\$3,904,247	\$132,418
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	2.42%	5.09%	10.16%	6.96%	11.94%	10.10%	1.96%
Prior Service	<u>-0.05%</u>	<u>2.24%</u>	<u>8.39%</u>	<u>1.57%</u>	<u>3.96%</u>	<u>0.12%</u>	<u>1.38%</u>
Total Retirement	2.37%	7.33%	18.55%	8.53%	15.90%	10.22%	3.34%
Supplemental Death	<u>0.00%</u>	<u>0.16%</u>	<u>0.09%</u>	<u>0.23%</u>	<u>0.15%</u>	<u>0.09%</u>	<u>0.00%</u>
Total Rate	2.37%	7.49%	18.64%	8.76%	16.05%	10.31%	3.34%
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	N/A	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	12.6 years	14.9 years	22.7 years	14.9 years	20.6 years	7.1 years
Number of annuitants	23	0	359	22	3	12	1
Number of active contributing members	33	4	402	36	7	62	4
Number of inactive members	51	10	372	17	4	50	0
Average age of contributing members	46.2 years	55.4 years	41.2 years	45.9 years	49.0 years	40.3 years	56.4 years
Average length of service of contributing members	8.0 years	7.4 years	11.7 years	12.0 years	10.4 years	8.2 years	8.3 years

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	Ferris	Flatonia	Florence	Floresville	Flower Mound	Floydada	Follett
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$669,617	\$2,195,699	\$297,821	\$3,995,007	\$105,288,467	\$2,305,170	\$129,546
b. Noncontributing Members	1,506,431	1,012,323	148,843	1,460,455	21,716,471	334,918	0
c. Annuitants	<u>2,089,542</u>	<u>2,397,730</u>	<u>135,233</u>	<u>3,227,035</u>	<u>44,877,179</u>	<u>2,727,497</u>	<u>0</u>
2. Total Actuarial Accrued Liability	\$4,265,590	\$5,605,752	\$581,897	\$8,682,497	\$171,882,117	\$5,367,585	\$129,546
3. Actuarial value of assets	<u>4,277,310</u>	<u>5,256,933</u>	<u>600,019</u>	<u>7,677,315</u>	<u>151,253,875</u>	<u>4,884,774</u>	<u>8,010</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$11,720)	\$348,819	(\$18,122)	\$1,005,182	\$20,628,242	\$482,811	\$121,536
5. Funded Ratio: (3) / (2)	100.3%	93.8%	103.1%	88.4%	88.0%	91.0%	6.2%
6. Annual Payroll	\$2,269,610	\$1,041,017	\$461,188	\$3,301,585	\$43,867,125	\$1,065,190	\$205,722
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.45%	10.65%	4.51%	6.69%	8.00%	6.74%	1.29%
Prior Service	<u>-0.02%</u>	<u>3.82%</u>	<u>-0.15%</u>	<u>2.17%</u>	<u>3.19%</u>	<u>3.52%</u>	<u>7.86%</u>
Total Retirement	5.43%	14.47%	4.36%	8.86%	11.19%	10.26%	9.15%
Supplemental Death	<u>0.30%</u>	<u>0.27%</u>	<u>0.14%</u>	<u>0.00%</u>	<u>0.12%</u>	<u>0.38%</u>	<u>0.15%</u>
Total Rate	5.73%	14.74%	4.50%	8.86%	11.31%	10.64%	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)	9.50%	N/A	N/A	11.50%	13.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	10.9 years	N/A	20.4 years	22.1 years	18.7 years	9.0 years
Number of annuitants	32	13	4	32	267	21	0
Number of active contributing members	45	19	12	55	630	21	4
Number of inactive members	77	11	13	46	458	23	0
Average age of contributing members	42.4 years	46.1 years	42.8 years	44.7 years	40.7 years	44.4 years	46.7 years
Average length of service of contributing members	5.9 years	10.2 years	5.8 years	7.5 years	10.0 years	8.7 years	13.0 years

	Forest Hill	Forney	Fort Stockton	Franklin	Frankston	Fredericksburg	Freeport
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$11,841,450	\$19,691,840	\$6,644,737	\$435,717	\$346,625	\$38,816,135	\$13,399,077
b. Noncontributing Members	3,850,949	4,601,068	2,332,659	73,697	74,495	3,380,200	4,825,674
c. Annuitants	<u>10,837,821</u>	<u>8,848,468</u>	<u>10,035,632</u>	<u>214,067</u>	<u>130,027</u>	<u>21,882,788</u>	<u>13,661,069</u>
2. Total Actuarial Accrued Liability	\$26,530,220	\$33,141,376	\$19,013,028	\$723,481	\$551,147	\$64,079,123	\$31,885,820
3. Actuarial value of assets	<u>24,305,387</u>	<u>27,817,894</u>	<u>16,518,340</u>	<u>757,844</u>	<u>564,621</u>	<u>47,005,880</u>	<u>26,726,697</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,224,833	\$5,323,482	\$2,494,688	(\$34,363)	(\$13,474)	\$17,073,243	\$5,159,123
5. Funded Ratio: (3) / (2)	91.6%	83.9%	86.9%	104.7%	102.4%	73.4%	83.8%
6. Annual Payroll	\$5,655,934	\$11,789,071	\$5,998,111	\$627,563	\$543,937	\$11,032,954	\$7,387,440
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	10.50%	11.23%	6.31%	3.47%	1.56%	10.13%	9.48%
Prior Service	<u>2.61%</u>	<u>2.99%</u>	<u>3.06%</u>	<u>-0.21%</u>	<u>-0.10%</u>	<u>12.15%</u>	<u>4.61%</u>
Total Retirement	13.11%	14.22%	9.37%	3.26%	1.46%	22.28%	14.09%
Supplemental Death	<u>0.15%</u>	<u>0.10%</u>	<u>0.35%</u>	<u>0.00%</u>	<u>0.22%</u>	<u>0.25%</u>	<u>0.19%</u>
Total Rate	13.26%	14.32%	9.72%	3.26%	1.68%	22.53%	14.28%
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%	N/A	11.50%	11.50%	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	23.0 years	23.0 years	19.5 years	N/A	N/A	17.8 years	23.1 years
Number of annuitants	82	30	74	6	4	112	84
Number of active contributing members	82	157	127	14	12	171	130
Number of inactive members	98	68	96	9	5	66	109
Average age of contributing members	40.3 years	39.4 years	41.5 years	38.6 years	45.8 years	44.6 years	40.9 years
Average length of service of contributing members	8.4 years	8.1 years	6.2 years	6.0 years	8.9 years	12.8 years	7.5 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Freer	Friendswood	Friona	Frisco	Fritch	Frost	Fulshear
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$455,797	\$46,312,681	\$1,806,642	\$254,168,800	\$436,257	\$54,927	\$2,477,097
b. Noncontributing Members	297,609	10,405,356	820,054	33,371,065	714,920	46,553	372,748
c. Annuitants	597,865	34,378,208	2,993,103	51,267,422	461,338	191,063	189,238
2. Total Actuarial Accrued Liability	\$1,351,271	\$91,096,245	\$5,619,799	\$338,807,287	\$1,612,515	\$292,543	\$3,039,083
3. Actuarial value of assets	1,076,315	78,793,824	5,390,858	296,114,213	2,458,433	256,113	2,788,583
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$274,956	\$12,302,421	\$228,941	\$42,693,074	(\$845,918)	\$36,430	\$250,500
5. Funded Ratio: (3) / (2)	79.7%	86.5%	95.9%	87.4%	152.5%	87.5%	91.8%
6. Annual Payroll	\$609,281	\$16,668,540	\$1,009,041	\$102,249,410	\$706,469	\$110,375	\$4,157,823
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	3.42%	11.07%	6.39%	11.47%	8.32%	3.11%	6.72%
Prior Service	3.58%	5.20%	2.35%	2.78%	-4.66%	4.32%	0.45%
Total Retirement	7.00%	16.27%	8.74%	14.25%	3.66%	7.43%	7.17%
Supplemental Death	0.52%	0.17%	0.30%	0.11%	0.34%	0.00%	0.09%
Total Rate	7.52%	16.44%	9.04%	14.36%	4.00%	7.43%	7.26%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	3.12%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	13.50%	7.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	19.2 years	20.9 years	12.6 years	22.9 years	N/A	9.6 years	19.0 years
Number of annuitants	10	136	16	233	10	4	3
Number of active contributing members	16	218	24	1,252	20	3	62
Number of inactive members	15	128	22	587	35	1	23
Average age of contributing members	48.2 years	43.3 years	42.6 years	41.6 years	41.8 years	60.8 years	42.7 years
Average length of service of contributing members	7.7 years	12.3 years	10.2 years	10.4 years	4.2 years	7.5 years	8.5 years

	Fulton	Gainesville	Galena Park	Ganado	Garden Ridge	Garland	Garrison
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$222,189	\$25,448,593	\$9,001,062	\$1,360,036	\$2,091,116	\$535,574,349	\$438,032
b. Noncontributing Members	39,192	4,652,080	2,173,675	1,028,858	656,533	56,837,630	541,195
c. Annuitants	343,278	23,824,359	8,629,556	1,451,368	975,431	494,112,079	780,126
2. Total Actuarial Accrued Liability	\$604,659	\$53,925,032	\$19,804,293	\$3,840,262	\$3,723,080	\$1,086,524,058	\$1,759,353
3. Actuarial value of assets	487,278	44,499,458	18,861,661	3,879,372	3,337,256	1,039,831,164	2,118,071
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$117,381	\$9,425,574	\$942,632	(\$39,110)	\$385,824	\$46,692,894	(\$358,718)
5. Funded Ratio: (3) / (2)	80.6%	82.5%	95.2%	101.0%	89.6%	95.7%	120.4%
6. Annual Payroll	\$262,651	\$12,448,652	\$4,143,427	\$505,502	\$1,657,501	\$169,011,043	\$426,877
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	6.17%	5.37%	8.78%	12.58%	6.06%	8.61%	10.96%
Prior Service	15.23%	6.34%	1.50%	-0.30%	1.58%	2.72%	-3.27%
Total Retirement	21.40%	11.71%	10.28%	12.28%	7.64%	11.33%	7.69%
Supplemental Death	0.36%	0.29%	0.30%	0.56%	0.27%	0.24%	0.17%
Total Rate	21.76%	12.00%	10.58%	12.84%	7.91%	11.57%	7.86%
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	N/A	N/A	N/A	11.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	3.2 years	16.6 years	23.0 years	N/A	22.2 years	13.1 years	N/A
Number of annuitants	5	153	55	11	19	1,578	4
Number of active contributing members	6	214	85	9	26	2,050	6
Number of inactive members	2	142	75	6	27	717	4
Average age of contributing members	49.2 years	41.2 years	39.1 years	53.9 years	48.7 years	44.9 years	44.9 years
Average length of service of contributing members	6.0 years	9.6 years	7.1 years	18.8 years	12.8 years	13.5 years	5.5 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Gary	Gatesville	George West	Georgetown	Giddings	Gilmer	Gladewater
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$273,760	\$10,656,248	\$842,660	\$113,666,098	\$7,781,929	\$4,196,291	\$1,777,829
b. Noncontributing Members	3,650	1,099,089	498,451	18,209,970	1,439,743	626,004	1,956,075
c. Annuitants	251,860	9,726,520	581,446	52,462,285	8,269,775	6,176,240	4,547,653
2. Total Actuarial Accrued Liability	\$529,270	\$21,481,857	\$1,922,557	\$184,338,353	\$17,491,447	\$10,998,535	\$8,281,557
3. Actuarial value of assets	476,185	18,897,252	1,716,148	161,670,410	14,960,802	9,732,293	7,949,237
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$53,085	\$2,584,605	\$206,409	\$22,667,943	\$2,530,645	\$1,266,242	\$332,320
5. Funded Ratio: (3) / (2)	90.0%	88.0%	89.3%	87.7%	85.5%	88.5%	96.0%
6. Annual Payroll	\$237,160	\$4,334,948	\$1,467,075	\$52,406,408	\$3,134,068	\$2,292,604	\$2,834,803
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	3.45%	9.60%	4.36%	9.42%	9.21%	8.70%	7.31%
Prior Service	1.91%	4.39%	0.96%	3.06%	7.85%	4.07%	0.79%
Total Retirement	5.36%	13.99%	5.32%	12.48%	17.06%	12.77%	8.10%
Supplemental Death	0.00%	0.25%	0.20%	0.12%	0.37%	0.28%	0.24%
Total Rate	5.36%	14.24%	5.52%	12.60%	17.43%	13.05%	8.34%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	N/A	N/A	13.50%	N/A	N/A	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	16.4 years	19.5 years	22.0 years	20.8 years	13.3 years	19.5 years	22.4 years
Number of annuitants	2	52	10	230	44	45	52
Number of active contributing members	4	81	34	708	64	48	62
Number of inactive members	2	33	41	295	57	31	96
Average age of contributing members	52.1 years	42.9 years	47.4 years	42.4 years	45.9 years	41.8 years	41.9 years
Average length of service of contributing members	9.3 years	10.2 years	5.8 years	10.3 years	9.9 years	9.9 years	5.1 years

	Glen Rose	Glenn Heights	Godley	Goldsmith	Goldthwaite	Goliad	Gonzales
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,755,409	\$3,089,031	\$384,617	\$297,561	\$2,282,171	\$742,038	\$7,751,082
b. Noncontributing Members	275,752	2,094,541	85,872	190,588	230,263	360,648	2,294,024
c. Annuitants	2,545,147	3,427,969	132,448	0	4,030,726	1,027,011	9,200,784
2. Total Actuarial Accrued Liability	\$4,576,308	\$8,611,541	\$602,937	\$488,149	\$6,543,160	\$2,129,697	\$19,245,890
3. Actuarial value of assets	4,051,464	10,380,230	554,493	489,804	5,590,689	2,341,969	16,744,056
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$524,844	(\$1,768,689)	\$48,444	(\$1,655)	\$952,471	(\$212,272)	\$2,501,834
5. Funded Ratio: (3) / (2)	88.5%	120.5%	92.0%	100.3%	85.4%	110.0%	87.0%
6. Annual Payroll	\$1,190,210	\$4,601,053	\$675,032	\$334,457	\$739,725	\$788,456	\$4,819,869
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	10.93%	4.66%	1.79%	1.35%	10.73%	6.76%	6.19%
Prior Service	2.93%	-1.50%	0.65%	-0.02%	13.14%	-1.05%	3.72%
Total Retirement	13.86%	3.16%	2.44%	1.33%	23.87%	5.71%	9.91%
Supplemental Death	0.33%	0.13%	0.29%	0.30%	0.27%	0.30%	0.32%
Total Rate	14.19%	3.29%	2.73%	1.63%	24.14%	6.01%	10.23%
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	12.50%	8.50%	7.50%	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	22.9 years	N/A	14.7 years	N/A	13.1 years	N/A	20.3 years
Number of annuitants	20	61	6	0	10	10	56
Number of active contributing members	20	73	12	5	11	16	99
Number of inactive members	21	132	12	2	2	19	119
Average age of contributing members	45.3 years	40.5 years	43.7 years	49.1 years	46.6 years	45.4 years	41.2 years
Average length of service of contributing members	7.9 years	7.1 years	8.3 years	12.5 years	11.7 years	8.7 years	9.5 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Gordon	Gorman	Graford	Graham	Granbury	Grand Prairie	Grand Saline
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$37,998	\$184,055	\$149,933	\$6,793,621	\$26,177,773	\$300,742,923	\$950,335
b. Noncontributing Members	339	86,818	0	580,798	3,508,420	38,876,093	597,308
c. Annuitants	<u>0</u>	<u>0</u>	<u>0</u>	<u>11,725,385</u>	<u>21,264,707</u>	<u>308,018,249</u>	<u>1,939,924</u>
2. Total Actuarial Accrued Liability	\$38,337	\$270,873	\$149,933	\$19,099,804	\$50,950,900	\$647,637,265	\$3,487,567
3. Actuarial value of assets	<u>28,926</u>	<u>147,716</u>	<u>146,046</u>	<u>16,841,419</u>	<u>41,960,800</u>	<u>573,757,717</u>	<u>3,377,816</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$9,411	\$123,157	\$3,887	\$2,258,385	\$8,990,100	\$73,879,548	\$109,751
5. Funded Ratio: (3) / (2)	75.5%	54.5%	97.4%	88.2%	82.4%	88.6%	96.9%
6. Annual Payroll	\$219,698	\$250,150	\$142,468	\$4,293,942	\$10,148,717	\$105,012,854	\$1,075,116
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	1.60%	1.89%	1.85%	6.71%	9.89%	11.07%	7.67%
Prior Service	<u>0.74%</u>	<u>6.53%</u>	<u>0.80%</u>	<u>3.90%</u>	<u>6.72%</u>	<u>5.96%</u>	<u>0.75%</u>
Total Retirement	2.34%	8.42%	2.65%	10.61%	16.61%	17.03%	8.42%
Supplemental Death	<u>0.07%</u>	<u>0.23%</u>	<u>0.19%</u>	<u>0.44%</u>	<u>0.24%</u>	<u>0.20%</u>	<u>0.31%</u>
Total Rate	2.41%	8.65%	2.84%	11.05%	16.85%	17.23%	8.73%
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	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	6.6 years	9.0 years	3.7 years	19.8 years	18.7 years	16.0 years	21.6 years
Number of annuitants	0	0	0	80	116	864	19
Number of active contributing members	4	7	3	83	178	1,372	27
Number of inactive members	1	6	0	37	106	688	20
Average age of contributing members	43.1 years	49.1 years	52.0 years	44.5 years	44.4 years	41.5 years	43.2 years
Average length of service of contributing members	2.8 years	11.9 years	10.6 years	8.5 years	10.1 years	11.1 years	6.6 years

	Grandview	Granger	Granite Shoals	Grapeland	Grapevine	Greenville	Gregory
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$747,688	\$173,435	\$1,329,166	\$115,225	\$144,987,037	\$52,838,970	\$274,932
b. Noncontributing Members	522,026	116,767	154,341	196,942	20,610,969	10,937,614	135,222
c. Annuitants	<u>646,464</u>	<u>262,294</u>	<u>629,043</u>	<u>416,940</u>	<u>153,003,398</u>	<u>64,496,652</u>	<u>93,149</u>
2. Total Actuarial Accrued Liability	\$1,916,178	\$552,496	\$2,112,550	\$729,107	\$318,601,404	\$128,273,236	\$503,303
3. Actuarial value of assets	<u>1,917,909</u>	<u>623,402</u>	<u>2,152,052</u>	<u>716,588</u>	<u>277,304,506</u>	<u>120,115,080</u>	<u>695,224</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$1,731)	(\$70,906)	(\$39,502)	\$12,519	\$41,296,898	\$8,158,156	(\$191,921)
5. Funded Ratio: (3) / (2)	100.1%	112.8%	101.9%	98.3%	87.0%	93.6%	138.1%
6. Annual Payroll	\$917,018	\$460,379	\$2,356,878	\$324,808	\$48,921,605	\$20,776,274	\$502,698
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	10.52%	7.80%	4.38%	3.41%	11.72%	7.52%	5.92%
Prior Service	<u>-0.01%</u>	<u>-0.60%</u>	<u>-0.07%</u>	<u>0.37%</u>	<u>6.82%</u>	<u>4.00%</u>	<u>-1.49%</u>
Total Retirement	10.51%	7.20%	4.31%	3.78%	18.54%	11.52%	4.43%
Supplemental Death	<u>0.00%</u>	<u>0.00%</u>	<u>0.26%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>0.28%</u>	<u>0.27%</u>
Total Rate	10.51%	7.20%	4.57%	3.78%	18.54%	11.80%	4.70%
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)	13.50%	13.50%	N/A	7.50%	N/A	N/A	9.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	N/A	N/A	14.6 years	17.1 years	12.5 years	N/A
Number of annuitants	12	13	13	10	454	317	2
Number of active contributing members	17	11	41	13	592	330	13
Number of inactive members	23	12	20	25	285	176	16
Average age of contributing members	43.7 years	48.3 years	43.0 years	37.8 years	44.4 years	43.9 years	47.2 years
Average length of service of contributing members	7.9 years	11.0 years	6.9 years	2.2 years	12.3 years	11.4 years	8.6 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Grey Forest	Groesbeck	Groom	Groves	Groveton	Gruver	Gun Barrel City
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$8,550,899	\$1,240,260	\$150,319	\$18,225,304	\$254,766	\$590,273	\$1,973,808
b. Noncontributing Members	1,038,162	245,493	8,505	1,819,514	2,748	422,173	878,492
c. Annuitants	7,285,153	580,241	208,035	22,609,209	28,156	496,488	913,237
2. Total Actuarial Accrued Liability	\$16,874,214	\$2,065,994	\$366,859	\$42,654,027	\$285,670	\$1,508,934	\$3,765,537
3. Actuarial value of assets	14,356,077	1,845,386	373,720	41,398,849	289,206	1,414,402	4,131,200
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,518,137	\$220,608	(\$6,861)	\$1,255,178	(\$3,536)	\$94,532	(\$365,663)
5. Funded Ratio: (3) / (2)	85.1%	89.3%	101.9%	97.1%	101.2%	93.7%	109.7%
6. Annual Payroll	\$3,037,059	\$1,340,919	\$246,335	\$6,974,772	\$209,147	\$278,961	\$1,913,674
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	9.53%	1.19%	3.21%	7.08%	1.96%	8.39%	5.94%
Prior Service	6.42%	1.35%	-0.11%	2.13%	-0.07%	6.02%	-0.74%
Total Retirement	15.95%	2.54%	3.10%	9.21%	1.89%	14.41%	5.20%
Supplemental Death	0.21%	0.29%	0.00%	0.00%	0.67%	0.00%	0.23%
Total Rate	16.16%	2.83%	3.10%	9.21%	2.56%	14.41%	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)	N/A	N/A	7.50%	N/A	7.50%	N/A	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	18.2 years	18.7 years	N/A	10.5 years	N/A	6.4 years	N/A
Number of annuitants	25	16	5	105	2	4	22
Number of active contributing members	35	31	4	98	9	5	45
Number of inactive members	16	19	2	52	5	7	43
Average age of contributing members	44.0 years	47.3 years	48.1 years	42.7 years	57.3 years	57.2 years	46.3 years
Average length of service of contributing members	9.5 years	11.6 years	6.9 years	13.0 years	11.1 years	8.7 years	7.4 years

	Gunter	Hale Center	Hallettsville	Hallsville	Haltom City	Hamilton	Hamlin
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$148,417	\$355,063	\$4,447,962	\$556,276	\$59,259,338	\$1,098,021	\$845,477
b. Noncontributing Members	108,440	68,404	387,730	48,360	13,561,934	635,656	260,995
c. Annuitants	115,229	89,917	3,872,290	204,057	61,443,194	3,199,790	1,796,347
2. Total Actuarial Accrued Liability	\$372,086	\$513,384	\$8,707,982	\$808,693	\$134,264,466	\$4,933,467	\$2,902,819
3. Actuarial value of assets	446,167	469,161	7,997,828	657,558	114,933,716	4,214,693	2,837,347
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$74,081)	\$44,223	\$710,154	\$151,135	\$19,330,750	\$718,774	\$65,472
5. Funded Ratio: (3) / (2)	119.9%	91.4%	91.8%	81.3%	85.6%	85.4%	97.7%
6. Annual Payroll	\$585,376	\$483,616	\$1,569,925	\$895,908	\$18,368,973	\$1,177,813	\$618,101
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.34%	4.13%	7.12%	1.58%	10.50%	9.11%	3.59%
Prior Service	-0.49%	0.86%	5.18%	1.13%	8.17%	5.18%	0.73%
Total Retirement	4.85%	4.99%	12.30%	2.71%	18.67%	14.29%	4.32%
Supplemental Death	0.16%	0.15%	0.39%	0.20%	0.23%	0.40%	0.63%
Total Rate	5.01%	5.14%	12.69%	2.91%	18.90%	14.69%	4.95%
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
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	13.8 years	10.8 years	22.7 years	19.1 years	15.9 years	22.0 years
Number of annuitants	5	2	25	5	236	24	13
Number of active contributing members	11	11	35	19	266	28	18
Number of inactive members	15	6	18	11	160	35	8
Average age of contributing members	45.3 years	46.9 years	45.9 years	46.0 years	44.1 years	41.0 years	44.8 years
Average length of service of contributing members	5.9 years	8.7 years	14.3 years	8.0 years	12.7 years	3.7 years	6.5 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Happy	Harker Heights	Harlingen	Harlingen Waterworks Sys	Hart	Haskell	Haslet
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$303,334	\$31,751,079	\$35,784,231	\$8,894,836	\$158,259	\$521,881	\$2,939,802
b. Noncontributing Members	141,246	7,973,063	8,447,198	1,528,603	44,929	255,687	523,677
c. Annuitants	182,968	22,006,028	52,192,102	14,104,190	16,334	673,068	400,735
2. Total Actuarial Accrued Liability	\$627,548	\$61,730,170	\$96,423,531	\$24,527,629	\$219,522	\$1,450,636	\$3,864,214
3. Actuarial value of assets	690,811	52,145,170	94,496,066	24,973,858	171,767	2,059,915	3,771,034
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$63,263)	\$9,585,000	\$1,927,465	(\$446,229)	\$47,755	(\$609,279)	\$93,180
5. Funded Ratio: (3) / (2)	110.1%	84.5%	98.0%	101.8%	78.2%	142.0%	97.6%
6. Annual Payroll	\$104,653	\$13,818,810	\$8,486,179	\$5,124,478	\$161,284	\$798,382	\$1,745,360
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	8.52%	10.04%	4.82%	1.90%	1.11%	2.01%	9.21%
Prior Service	-2.35%	4.59%	3.19%	-0.34%	2.90%	-2.01%	0.37%
Total Retirement	6.17%	14.63%	8.01%	1.56%	4.01%	0.00%	9.58%
Supplemental Death	0.31%	0.15%	0.74%	0.52%	0.00%	0.32%	0.16%
Total Rate	6.48%	14.78%	8.75%	2.08%	4.01%	0.32%	9.74%
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	15.50%	9.50%	N/A	9.50%	15.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	23.0 years	9.6 years	N/A	13.2 years	N/A	21.5 years
Number of annuitants	1	97	349	132	1	10	7
Number of active contributing members	2	220	142	103	4	18	28
Number of inactive members	2	158	66	45	1	14	27
Average age of contributing members	54.5 years	40.4 years	52.1 years	46.9 years	44.0 years	44.1 years	47.6 years
Average length of service of contributing members	13.8 years	13.0 years	21.3 years	13.3 years	12.0 years	6.6 years	11.2 years

	Hawkins	Hays	Hearne	Heath	Hedley	Hedwig Village	Helotes
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,302,201	\$45,602	\$5,649,592	\$6,786,145	\$7,944	\$2,539,621	\$4,856,409
b. Noncontributing Members	38,941	0	1,388,976	2,851,603	158,784	831,564	1,379,989
c. Annuitants	832,972	125,753	3,466,560	4,736,912	17,838	3,036,012	2,412,925
2. Total Actuarial Accrued Liability	\$2,174,114	\$171,355	\$10,505,128	\$14,374,660	\$184,566	\$6,407,197	\$8,649,323
3. Actuarial value of assets	2,407,944	169,534	8,447,666	12,748,730	205,406	5,987,688	8,096,307
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$233,830)	\$1,821	\$2,057,462	\$1,625,930	(\$20,840)	\$419,509	\$553,016
5. Funded Ratio: (3) / (2)	110.8%	98.9%	80.4%	88.7%	111.3%	93.5%	93.6%
6. Annual Payroll	\$418,737	\$44,602	\$2,526,043	\$4,582,859	\$47,637	\$2,220,436	\$3,940,180
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	8.70%	9.94%	8.98%	9.90%	5.52%	4.54%	5.91%
Prior Service	-2.17%	0.79%	5.87%	2.42%	-1.70%	-1.78%	1.33%
Total Retirement	6.53%	10.73%	14.85%	12.32%	3.82%	6.32%	7.24%
Supplemental Death	0.28%	0.70%	0.35%	0.14%	1.71%	0.23%	0.13%
Total Rate	6.81%	11.43%	15.20%	12.46%	5.53%	6.55%	7.37%
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)	N/A	N/A	N/A	13.50%	11.50%	N/A	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	6.0 years	20.2 years	21.9 years	N/A	14.0 years	13.8 years
Number of annuitants	14	3	27	26	1	19	20
Number of active contributing members	9	1	54	57	1	28	67
Number of inactive members	3	0	43	40	8	22	54
Average age of contributing members	51.3 years	57.3 years	44.6 years	42.9 years	53.5 years	47.4 years	41.8 years
Average length of service of contributing members	11.3 years	3.8 years	9.0 years	10.8 years	2.3 years	11.7 years	10.1 years



**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Hemphill	Hempstead	Henderson	Henrietta	Hereford	Hewitt	Hickory Creek
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,093,625	\$7,831,527	\$17,282,135	\$1,431,019	\$12,055,158	\$13,368,871	\$3,197,192
b. Noncontributing Members	283,209	363,224	3,078,875	427,472	1,314,617	2,334,501	361,067
c. Annuitants	2,530,190	5,052,277	17,305,134	1,559,124	10,616,121	7,401,982	1,046,669
2. Total Actuarial Accrued Liability	\$3,907,024	\$13,247,028	\$37,666,144	\$3,417,615	\$23,985,896	\$23,105,354	\$4,604,928
3. Actuarial value of assets	3,407,116	12,353,052	31,934,460	2,828,387	21,786,413	19,659,829	3,843,093
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$499,908	\$893,976	\$5,731,684	\$589,228	\$2,199,483	\$3,445,525	\$761,835
5. Funded Ratio: (3) / (2)	87.2%	93.3%	84.8%	82.8%	90.8%	85.1%	83.5%
6. Annual Payroll	\$1,182,673	\$3,645,365	\$6,985,110	\$756,377	\$5,602,089	\$5,138,314	\$1,340,654
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	4.83%	6.07%	10.14%	10.04%	6.37%	11.14%	10.47%
Prior Service	3.09%	1.63%	6.21%	5.33%	3.04%	4.44%	4.13%
Total Retirement	7.92%	7.70%	16.35%	15.37%	9.41%	15.58%	14.60%
Supplemental Death	0.42%	0.26%	0.21%	0.32%	0.29%	0.15%	0.11%
Total Rate	8.34%	7.96%	16.56%	15.69%	9.70%	15.73%	14.71%
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	11.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	19.8 years	22.9 years	18.8 years	22.5 years	18.1 years	23.0 years	22.5 years
Number of annuitants	18	28	75	14	53	35	14
Number of active contributing members	22	67	131	17	96	94	22
Number of inactive members	12	36	72	11	32	74	14
Average age of contributing members	48.0 years	50.0 years	39.8 years	48.8 years	41.2 years	40.7 years	40.7 years
Average length of service of contributing members	7.0 years	11.5 years	9.6 years	9.2 years	11.0 years	10.8 years	10.5 years

	Hico	Hidalgo	Higgins	Highland Park	Highland Village	Hill Country Village	Hillsboro
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$328,421	\$12,521,929	\$55,230	\$35,433,036	\$28,844,334	\$1,240,734	\$11,828,267
b. Noncontributing Members	257,810	5,211,168	0	5,081,792	7,861,156	616,947	3,169,906
c. Annuitants	801,682	6,218,940	297,360	45,339,702	14,700,808	474,704	8,540,125
2. Total Actuarial Accrued Liability	\$1,387,913	\$23,952,037	\$352,590	\$85,854,530	\$51,406,298	\$2,332,385	\$23,538,298
3. Actuarial value of assets	1,371,303	21,622,866	365,462	82,735,677	46,263,843	2,416,577	20,511,769
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$16,610	\$2,329,171	(\$12,872)	\$3,118,853	\$5,142,455	(\$84,192)	\$3,026,529
5. Funded Ratio: (3) / (2)	98.8%	90.3%	103.7%	96.4%	90.0%	103.6%	87.1%
6. Annual Payroll	\$519,263	\$5,932,514	\$118,386	\$14,191,617	\$11,256,641	\$932,402	\$5,199,224
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	8.48%	8.87%	4.27%	6.13%	10.80%	4.39%	6.06%
Prior Service	0.52%	3.41%	-0.42%	2.85%	3.01%	-0.35%	5.54%
Total Retirement	9.00%	12.28%	3.85%	8.98%	13.81%	4.04%	11.60%
Supplemental Death	0.45%	0.00%	0.39%	0.00%	0.17%	0.13%	0.00%
Total Rate	9.45%	12.28%	4.24%	8.98%	13.98%	4.17%	11.60%
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)	13.50%	13.50%	N/A	N/A	N/A	11.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	7.1 years	15.9 years	N/A	9.3 years	23.2 years	N/A	13.9 years
Number of annuitants	10	50	3	124	91	5	73
Number of active contributing members	13	139	3	120	153	15	97
Number of inactive members	8	106	0	42	118	20	81
Average age of contributing members	46.1 years	43.1 years	62.3 years	45.5 years	42.4 years	47.3 years	43.5 years
Average length of service of contributing members	3.8 years	8.1 years	7.1 years	15.0 years	11.5 years	12.1 years	11.0 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Hilshire Village	Hitchcock	Holland	Holliday	Hollywood Park	Hondo	Honey Grove
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$143,781	\$822,132	\$172,168	\$596,288	\$3,967,237	\$4,587,050	\$405,850
b. Noncontributing Members	0	990,823	7,935	250,468	996,280	2,833,902	369,705
c. Annuitants	10,734	2,769,747	336,041	114	2,303,528	9,932,834	1,019,973
2. Total Actuarial Accrued Liability	\$154,515	\$4,582,702	\$516,144	\$846,870	\$7,267,045	\$17,353,786	\$1,795,528
3. Actuarial value of assets	148,330	4,780,006	608,278	876,347	6,566,590	16,373,017	1,789,872
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$6,185	(\$197,304)	(\$92,134)	(\$29,477)	\$700,455	\$980,769	\$5,656
5. Funded Ratio: (3) / (2)	96.0%	104.3%	117.9%	103.5%	90.4%	94.3%	99.7%
6. Annual Payroll	\$134,291	\$2,149,267	\$257,075	\$393,221	\$2,342,194	\$4,871,774	\$530,922
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.33%	4.04%	5.86%	2.94%	6.74%	6.46%	5.99%
Prior Service	2.37%	-0.36%	-1.40%	-0.29%	1.97%	1.32%	0.11%
Total Retirement	7.70%	3.68%	4.46%	2.65%	8.71%	7.78%	6.10%
Supplemental Death	0.24%	0.19%	0.99%	0.00%	0.22%	0.22%	0.46%
Total Rate	7.94%	3.87%	5.45%	2.65%	8.93%	8.00%	6.56%
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	11.50%	10.50%	9.50%	10.50%	11.50%	9.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	2.0 years	N/A	N/A	N/A	23.1 years	23.2 years	12.0 years
Number of annuitants	1	33	4	1	22	74	8
Number of active contributing members	2	38	5	9	38	109	11
Number of inactive members	0	56	2	7	34	105	17
Average age of contributing members	48.8 years	42.1 years	58.5 years	51.8 years	46.9 years	41.8 years	45.7 years
Average length of service of contributing members	8.5 years	6.1 years	6.4 years	11.9 years	10.5 years	6.6 years	11.1 years

	Hooks	Horizon City	Howe	Hubbard	Hudson	Hudson Oaks	Hughes Springs
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$561,736	\$2,577,716	\$917,995	\$183,295	\$866,238	\$2,788,511	\$3,137,969
b. Noncontributing Members	397,598	22,932	610,223	185,862	70,844	1,392,384	290
c. Annuitants	890,346	15,022	1,079,248	215,270	153,957	1,044,373	1,706,939
2. Total Actuarial Accrued Liability	\$1,849,680	\$2,615,670	\$2,607,466	\$584,427	\$1,091,039	\$5,225,268	\$4,845,198
3. Actuarial value of assets	1,505,808	1,097,147	2,709,905	603,674	1,063,693	4,848,549	5,309,064
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$343,872	\$1,518,523	(\$102,439)	(\$19,247)	\$27,346	\$376,719	(\$463,866)
5. Funded Ratio: (3) / (2)	81.4%	41.9%	103.9%	103.3%	97.5%	92.8%	109.6%
6. Annual Payroll	\$552,809	\$3,466,381	\$916,840	\$460,936	\$657,536	\$1,795,952	\$697,682
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	7.73%	2.72%	5.43%	2.97%	3.90%	10.45%	10.46%
Prior Service	6.46%	2.90%	-0.43%	-0.16%	0.35%	1.40%	-2.59%
Total Retirement	14.19%	5.62%	5.00%	2.81%	4.25%	11.85%	7.87%
Supplemental Death	0.18%	0.10%	0.41%	0.17%	0.21%	0.13%	0.23%
Total Rate	14.37%	5.72%	5.41%	2.98%	4.46%	11.98%	8.10%
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	13.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	12.2 years	23.0 years	N/A	N/A	15.9 years	22.7 years	N/A
Number of annuitants	6	1	10	5	3	13	5
Number of active contributing members	13	76	19	11	12	24	14
Number of inactive members	11	16	20	20	8	21	1
Average age of contributing members	43.8 years	41.4 years	44.5 years	37.1 years	46.8 years	38.2 years	54.2 years
Average length of service of contributing members	9.1 years	6.5 years	8.5 years	5.9 years	12.1 years	9.6 years	15.1 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Humble	Hunters Creek Village	Huntington	Huntsville	Hurst	Hutchins	Hutto
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$45,326,946	\$961,199	\$1,852,399	\$38,259,935	\$79,474,392	\$5,478,947	\$10,011,056
b. Noncontributing Members	3,411,332	133,815	298,260	7,656,874	12,026,950	1,904,665	6,313,595
c. Annuitants	<u>37,861,227</u>	<u>680,871</u>	<u>2,047,533</u>	<u>53,590,446</u>	<u>84,784,998</u>	<u>2,777,411</u>	<u>3,555,068</u>
2. Total Actuarial Accrued Liability	\$86,599,505	\$1,775,885	\$4,198,192	\$99,507,255	\$176,286,340	\$10,161,023	\$19,879,719
3. Actuarial value of assets	<u>79,173,495</u>	<u>1,261,527</u>	<u>3,578,224</u>	<u>81,142,830</u>	<u>165,452,979</u>	<u>9,602,950</u>	<u>20,176,994</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$7,426,010	\$514,358	\$619,968	\$18,364,425	\$10,833,361	\$558,073	(\$297,275)
5. Funded Ratio: (3) / (2)	91.4%	71.0%	85.2%	81.5%	93.9%	94.5%	101.5%
6. Annual Payroll	\$16,795,339	\$583,048	\$857,695	\$15,443,482	\$27,035,303	\$4,189,133	\$9,127,953
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	9.37%	9.93%	10.55%	7.82%	8.26%	7.72%	11.85%
Prior Service	<u>3.64%</u>	<u>8.07%</u>	<u>4.82%</u>	<u>9.90%</u>	<u>3.62%</u>	<u>0.88%</u>	<u>-0.13%</u>
Total Retirement	13.01%	18.00%	15.37%	17.72%	11.88%	8.60%	11.72%
Supplemental Death	<u>0.17%</u>	<u>0.47%</u>	<u>0.26%</u>	<u>0.26%</u>	<u>0.00%</u>	<u>0.12%</u>	<u>0.11%</u>
Total Rate	13.18%	18.47%	15.63%	17.98%	11.88%	8.72%	11.83%
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
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	16.6 years	14.4 years	22.8 years	16.9 years	14.7 years	23.1 years	N/A
Number of annuitants	130	9	13	222	295	32	31
Number of active contributing members	203	7	20	267	357	72	115
Number of inactive members	57	2	15	175	242	65	178
Average age of contributing members	42.2 years	47.6 years	44.7 years	43.2 years	43.4 years	40.0 years	42.1 years
Average length of service of contributing members	12.3 years	15.9 years	9.6 years	10.6 years	13.8 years	8.7 years	8.4 years

	Huxley	Idalou	Ingleside	Ingram	Iowa Colony	Iowa Park	Iraan
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$332,055	\$384,489	\$5,365,263	\$416,663	\$126,047	\$4,483,435	\$910,819
b. Noncontributing Members	148,346	321,451	2,057,222	66,955	17,228	1,183,415	98,906
c. Annuitants	<u>391,128</u>	<u>0</u>	<u>5,719,993</u>	<u>503,930</u>	<u>482,705</u>	<u>4,050,670</u>	<u>687,631</u>
2. Total Actuarial Accrued Liability	\$871,529	\$705,940	\$13,142,478	\$987,548	\$625,980	\$9,717,520	\$1,697,356
3. Actuarial value of assets	<u>1,023,966</u>	<u>715,001</u>	<u>13,296,885</u>	<u>923,467</u>	<u>615,676</u>	<u>9,018,305</u>	<u>1,345,672</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$152,437)	(\$9,061)	(\$154,407)	\$64,081	\$10,304	\$699,215	\$351,684
5. Funded Ratio: (3) / (2)	117.5%	101.3%	101.2%	93.5%	98.4%	92.8%	79.3%
6. Annual Payroll	\$363,197	\$625,391	\$4,558,908	\$594,410	\$731,613	\$1,921,505	\$298,384
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	2.41%	4.17%	7.66%	6.15%	6.64%	7.37%	6.21%
Prior Service	<u>-1.63%</u>	<u>-0.06%</u>	<u>-0.13%</u>	<u>0.92%</u>	<u>0.19%</u>	<u>4.04%</u>	<u>12.04%</u>
Total Retirement	0.78%	4.11%	7.53%	7.07%	6.83%	11.41%	18.25%
Supplemental Death	<u>0.37%</u>	<u>0.06%</u>	<u>0.28%</u>	<u>0.00%</u>	<u>0.09%</u>	<u>0.28%</u>	<u>0.31%</u>
Total Rate	1.15%	4.17%	7.81%	7.07%	6.92%	11.69%	18.56%
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	11.50%	11.50%	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	N/A	N/A	15.8 years	8.8 years	11.3 years	12.5 years
Number of annuitants	6	0	53	12	2	32	5
Number of active contributing members	9	14	100	14	17	45	6
Number of inactive members	8	17	80	12	9	36	2
Average age of contributing members	42.8 years	39.8 years	45.8 years	45.1 years	38.1 years	43.8 years	51.2 years
Average length of service of contributing members	10.5 years	9.2 years	8.4 years	7.2 years	4.8 years	9.4 years	13.2 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Irving	Italy	Itasca	Jacinto City	Jacksboro	Jacksonville	Jasper
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$380,985,747	\$191,886	\$934,909	\$9,028,226	\$2,544,255	\$12,728,649	\$14,902,821
b. Noncontributing Members	58,714,346	140,999	237,472	878,475	1,706,915	3,073,324	1,540,869
c. Annuitants	396,376,824	355,595	1,115,956	2,195,660	3,684,370	17,404,897	12,364,881
2. Total Actuarial Accrued Liability	\$836,076,917	\$688,480	\$2,288,337	\$12,102,361	\$7,935,540	\$33,206,870	\$28,808,571
3. Actuarial value of assets	772,666,035	553,209	2,459,107	10,113,222	6,875,477	30,172,939	27,044,914
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$63,410,882	\$135,271	(\$170,770)	\$1,989,139	\$1,060,063	\$3,033,931	\$1,763,657
5. Funded Ratio: (3) / (2)	92.4%	80.4%	107.5%	83.6%	86.6%	90.9%	93.9%
6. Annual Payroll	\$120,909,704	\$831,390	\$717,926	\$3,731,830	\$1,983,123	\$6,491,639	\$6,432,727
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	9.73%	1.91%	10.44%	6.75%	10.11%	7.12%	5.19%
Prior Service	4.59%	1.12%	-0.93%	4.63%	3.55%	3.36%	3.26%
Total Retirement	14.32%	3.03%	9.51%	11.38%	13.66%	10.48%	8.45%
Supplemental Death	0.21%	0.28%	0.28%	0.32%	0.30%	0.31%	0.31%
Total Rate	14.53%	3.31%	9.79%	11.70%	13.96%	10.79%	8.76%
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	15.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	15.3 years	21.6 years	N/A	15.5 years	22.9 years	20.5 years	10.3 years
Number of annuitants	1,113	11	9	27	24	112	84
Number of active contributing members	1,539	20	17	74	41	122	123
Number of inactive members	605	25	27	40	49	105	55
Average age of contributing members	43.4 years	48.1 years	44.8 years	47.1 years	43.3 years	40.5 years	45.6 years
Average length of service of contributing members	12.7 years	8.0 years	4.8 years	10.4 years	7.0 years	9.3 years	11.1 years

	Jefferson	Jersey Village	Jewett	Joaquin	Johnson City	Jones Creek	Jonestown
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,079,074	\$9,546,042	\$519,269	\$103,949	\$1,124,224	\$329,890	\$1,242,590
b. Noncontributing Members	256,265	5,789,339	41,263	16,166	568,069	2,642	346,449
c. Annuitants	559,432	12,759,280	735,336	233,880	745,886	242,496	610,840
2. Total Actuarial Accrued Liability	\$1,894,771	\$28,094,661	\$1,295,868	\$353,995	\$2,438,179	\$575,028	\$2,199,879
3. Actuarial value of assets	2,160,440	24,583,214	1,108,035	273,813	2,160,458	500,917	2,025,779
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$265,669)	\$3,511,447	\$187,833	\$80,182	\$277,721	\$74,111	\$174,100
5. Funded Ratio: (3) / (2)	114.0%	87.5%	85.5%	77.3%	88.6%	87.1%	92.1%
6. Annual Payroll	\$688,950	\$6,136,819	\$257,881	\$243,910	\$787,336	\$454,550	\$1,518,298
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	2.13%	10.09%	5.23%	2.11%	5.94%	3.06%	6.79%
Prior Service	-1.50%	3.78%	7.69%	3.22%	2.73%	2.21%	0.79%
Total Retirement	0.63%	13.87%	12.92%	5.33%	8.67%	5.27%	7.58%
Supplemental Death	0.44%	0.23%	0.18%	0.81%	0.15%	0.28%	0.30%
Total Rate	1.07%	14.10%	13.10%	6.14%	8.82%	5.55%	7.88%
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	N/A	N/A	N/A	10.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	23.1 years	12.8 years	13.2 years	18.2 years	8.8 years	21.5 years
Number of annuitants	13	64	3	7	7	5	13
Number of active contributing members	17	98	5	5	14	10	28
Number of inactive members	28	99	2	3	14	2	20
Average age of contributing members	47.9 years	42.8 years	50.2 years	56.2 years	43.9 years	44.4 years	48.4 years
Average length of service of contributing members	10.5 years	8.6 years	14.3 years	8.0 years	7.9 years	10.5 years	8.8 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Josephine	Joshua	Jourdanton	Junction	Justin	Karnes City	Katy
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$591,902	\$1,894,604	\$1,402,028	\$1,973,792	\$1,585,110	\$2,032,456	\$34,307,236
b. Noncontributing Members	125,176	1,385,952	503,523	174,770	752,773	364,278	4,493,392
c. Annuitants	0	842,626	1,385,888	2,063,559	578,973	946,599	21,326,863
2. Total Actuarial Accrued Liability	\$717,078	\$4,123,182	\$3,291,439	\$4,212,121	\$2,916,856	\$3,343,333	\$60,127,491
3. Actuarial value of assets	695,500	4,268,268	3,273,835	4,036,248	2,624,041	2,826,353	55,131,847
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$21,578	(\$145,086)	\$17,604	\$175,873	\$292,815	\$516,980	\$4,995,644
5. Funded Ratio: (3) / (2)	97.0%	103.5%	99.5%	95.8%	90.0%	84.5%	91.7%
6. Annual Payroll	\$737,991	\$1,804,241	\$1,511,410	\$1,088,241	\$2,363,470	\$1,285,014	\$17,436,445
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	8.36%	6.28%	5.43%	10.82%	6.41%	5.89%	11.48%
Prior Service	0.21%	-0.31%	0.08%	1.07%	0.85%	2.68%	2.03%
Total Retirement	8.57%	5.97%	5.51%	11.89%	7.26%	8.57%	13.51%
Supplemental Death	0.06%	0.12%	0.51%	0.29%	0.00%	0.20%	0.15%
Total Rate	8.63%	6.09%	6.02%	12.18%	7.26%	8.77%	13.66%
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)	N/A	13.50%	9.50%	N/A	13.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	20.0 years	N/A	24.0 years	23.1 years	21.6 years	22.8 years	20.6 years
Number of annuitants	0	9	19	16	9	11	75
Number of active contributing members	15	35	36	24	45	26	249
Number of inactive members	7	52	36	14	33	14	93
Average age of contributing members	40.7 years	43.9 years	45.0 years	48.2 years	38.2 years	47.2 years	39.7 years
Average length of service of contributing members	10.3 years	11.2 years	9.8 years	6.6 years	6.1 years	11.8 years	8.3 years

	Kaufman	Keene	Keller	Kemah	Kemp	Kempner	Kenedy
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$7,768,840	\$1,769,987	\$57,742,205	\$1,865,631	\$748,362	\$1,839	\$1,147,253
b. Noncontributing Members	1,073,377	3,043,716	14,119,162	1,744,356	278,498	0	1,321,811
c. Annuitants	7,577,781	6,200,970	45,703,020	2,220,602	296,894	0	984,557
2. Total Actuarial Accrued Liability	\$16,419,998	\$11,014,673	\$117,564,387	\$5,830,589	\$1,323,754	\$1,839	\$3,453,621
3. Actuarial value of assets	14,382,626	10,100,934	101,170,665	5,931,993	1,154,790	1,454	3,228,395
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,037,372	\$913,739	\$16,393,722	(\$101,404)	\$168,964	\$385	\$225,226
5. Funded Ratio: (3) / (2)	87.6%	91.7%	86.1%	101.7%	87.2%	79.1%	93.5%
6. Annual Payroll	\$3,568,988	\$2,500,347	\$20,376,824	\$1,976,446	\$785,982	\$132,631	\$2,683,903
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	10.02%	9.26%	9.96%	6.22%	8.40%	1.72%	2.89%
Prior Service	3.99%	2.70%	6.08%	-0.20%	1.60%	0.04%	0.56%
Total Retirement	14.01%	11.96%	16.04%	6.02%	10.00%	1.76%	3.45%
Supplemental Death	0.26%	0.23%	0.14%	0.21%	0.29%	0.09%	0.12%
Total Rate	14.27%	12.19%	16.18%	6.23%	10.29%	1.85%	3.57%
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	N/A	N/A	13.50%	N/A	7.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	21.4 years	19.4 years	19.7 years	N/A	19.2 years	9.0 years	22.5 years
Number of annuitants	56	29	181	25	10	0	14
Number of active contributing members	65	47	281	29	18	4	57
Number of inactive members	48	75	233	43	25	0	67
Average age of contributing members	43.3 years	39.4 years	41.4 years	44.2 years	41.1 years	36.2 years	38.1 years
Average length of service of contributing members	11.7 years	6.4 years	12.2 years	12.2 years	5.8 years	0.8 years	5.7 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Kennedale	Kerens	Kermit	Kerrville	Kerrville PUB	Kilgore	Killeen
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$8,123,061	\$353,897	\$7,297,260	\$42,524,879	\$12,840,074	\$18,536,151	\$92,904,353
b. Noncontributing Members	5,505,566	50,630	2,432,213	9,244,235	6,101,419	3,318,413	18,463,273
c. Annuitants	6,336,792	159,482	5,282,632	40,862,315	12,255,401	28,019,537	113,965,289
2. Total Actuarial Accrued Liability	\$19,965,419	\$564,009	\$15,012,105	\$92,631,429	\$31,196,894	\$49,874,101	\$225,332,915
3. Actuarial value of assets	17,854,554	292,345	11,763,320	84,785,511	29,447,189	44,990,016	188,087,780
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,110,865	\$271,664	\$3,248,785	\$7,845,918	\$1,749,705	\$4,884,085	\$37,245,135
5. Funded Ratio: (3) / (2)	89.4%	51.8%	78.4%	91.5%	94.4%	90.2%	83.5%
6. Annual Payroll	\$4,310,930	\$421,140	\$3,026,046	\$19,225,562	\$4,290,762	\$8,699,799	\$48,800,009
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	10.70%	5.97%	8.93%	7.70%	8.72%	9.94%	7.48%
Prior Service	3.31%	7.03%	7.18%	2.69%	2.89%	3.81%	7.29%
Total Retirement	14.01%	13.00%	16.11%	10.39%	11.61%	13.75%	14.77%
Supplemental Death	0.27%	0.16%	0.27%	0.25%	0.24%	0.31%	0.22%
Total Rate	14.28%	13.16%	16.38%	10.64%	11.85%	14.06%	14.99%
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	15.50%	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	22.2 years	11.5 years	22.6 years	23.2 years	21.0 years	22.1 years	13.6 years
Number of annuitants	52	1	32	262	44	137	602
Number of active contributing members	72	11	57	313	53	148	926
Number of inactive members	113	5	107	208	30	100	604
Average age of contributing members	43.2 years	51.8 years	43.8 years	43.0 years	44.5 years	44.4 years	42.7 years
Average length of service of contributing members	11.3 years	8.9 years	7.5 years	10.2 years	12.3 years	9.8 years	11.2 years

	Kingsville	Kirby	Kirbyville	Knox City	Kosse	Kountze	Kress
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$27,720,476	\$3,412,762	\$654,223	\$234,006	\$39,335	\$757,306	\$18,891
b. Noncontributing Members	7,339,880	1,391,732	236,193	137,475	0	105,008	6,971
c. Annuitants	33,358,794	5,577,649	1,287,959	345,388	9,888	239,483	222,270
2. Total Actuarial Accrued Liability	\$68,419,150	\$10,382,143	\$2,178,375	\$716,869	\$49,223	\$1,101,797	\$248,132
3. Actuarial value of assets	66,105,211	9,152,547	1,858,960	817,365	53,372	1,087,837	350,889
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,313,939	\$1,229,596	\$319,415	(\$100,496)	(\$4,149)	\$13,960	(\$102,757)
5. Funded Ratio: (3) / (2)	96.6%	88.2%	85.3%	114.0%	108.4%	98.7%	141.4%
6. Annual Payroll	\$12,667,759	\$2,608,681	\$910,454	\$373,366	\$199,220	\$1,077,208	\$31,640
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	6.59%	10.77%	3.22%	3.63%	1.55%	1.42%	3.25%
Prior Service	1.45%	3.09%	2.34%	-1.05%	-0.08%	0.09%	-3.25%
Total Retirement	8.04%	13.86%	5.56%	2.58%	1.47%	1.51%	0.00%
Supplemental Death	0.00%	0.15%	0.54%	0.49%	0.10%	0.22%	0.00%
Total Rate	8.04%	14.01%	6.10%	3.07%	1.57%	1.73%	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	7.50%	9.50%	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	17.5 years	23.3 years	23.1 years	N/A	N/A	23.0 years	N/A
Number of annuitants	196	38	19	8	1	5	2
Number of active contributing members	264	59	25	8	5	24	1
Number of inactive members	187	104	31	11	0	51	1
Average age of contributing members	44.5 years	37.6 years	46.9 years	50.1 years	38.6 years	46.3 years	42.0 years
Average length of service of contributing members	9.7 years	7.3 years	5.3 years	12.2 years	3.2 years	7.1 years	5.7 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Krugerville	Krum	Kyle	La Coste	La Feria	La Grange	La Grulla
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$707,162	\$1,896,299	\$23,126,261	\$363,765	\$3,548,021	\$9,727,423	\$373,254
b. Noncontributing Members	87,804	859,221	2,545,055	1,457	739,929	565,356	112,811
c. Annuitants	88,750	219,099	6,693,559	87,315	4,018,359	7,848,861	245,744
2. Total Actuarial Accrued Liability	\$883,716	\$2,974,619	\$32,364,875	\$452,537	\$8,306,309	\$18,141,640	\$731,809
3. Actuarial value of assets	846,796	2,986,484	28,111,052	491,164	6,526,216	16,590,182	1,006,915
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$36,920	(\$11,865)	\$4,253,823	(\$38,627)	\$1,780,093	\$1,551,458	(\$275,106)
5. Funded Ratio: (3) / (2)	95.8%	100.4%	86.9%	108.5%	78.6%	91.4%	137.6%
6. Annual Payroll	\$671,576	\$2,656,911	\$13,751,953	\$337,817	\$2,288,714	\$3,062,561	\$416,664
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	7.45%	6.20%	10.68%	2.29%	7.77%	9.46%	7.25%
Prior Service	0.55%	-0.02%	2.06%	-0.45%	6.79%	4.54%	-2.57%
Total Retirement	8.00%	6.18%	12.74%	1.84%	14.56%	14.00%	4.68%
Supplemental Death	0.12%	0.11%	0.11%	0.00%	0.33%	0.31%	0.26%
Total Rate	8.12%	6.29%	12.85%	1.84%	14.89%	14.31%	4.94%
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%	13.50%	8.50%	N/A	N/A	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	12.7 years	N/A	22.9 years	N/A	15.3 years	14.8 years	N/A
Number of annuitants	3	9	37	4	33	43	6
Number of active contributing members	9	46	234	8	60	61	16
Number of inactive members	5	36	123	2	57	38	18
Average age of contributing members	49.6 years	41.6 years	40.2 years	56.1 years	43.2 years	49.2 years	44.2 years
Average length of service of contributing members	11.9 years	9.1 years	7.8 years	11.8 years	7.9 years	11.7 years	7.6 years

	La Joya	La Marque	La Porte	La Vernia	Lacy-Lakeview	Ladonia	Lago Vista
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$806,283	\$13,731,771	\$81,546,736	\$456,904	\$6,224,390	\$49,567	\$7,833,145
b. Noncontributing Members	241,235	5,914,895	10,851,219	130,799	872,756	21,558	1,568,948
c. Annuitants	714,580	14,232,173	89,686,157	225,168	2,666,089	34,682	3,733,429
2. Total Actuarial Accrued Liability	\$1,762,098	\$33,878,839	\$182,084,112	\$812,871	\$9,763,235	\$105,807	\$13,135,522
3. Actuarial value of assets	985,099	28,530,760	165,071,075	663,387	8,474,394	142,010	12,174,388
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$776,999	\$5,348,079	\$17,013,037	\$149,484	\$1,288,841	(\$36,203)	\$961,134
5. Funded Ratio: (3) / (2)	55.9%	84.2%	90.7%	81.6%	86.8%	134.2%	92.7%
6. Annual Payroll	\$1,429,250	\$8,314,294	\$25,714,986	\$970,295	\$2,278,725	\$66,576	\$5,043,088
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	1.40%	9.80%	9.23%	4.34%	9.76%	7.05%	6.59%
Prior Service	4.45%	4.34%	6.34%	1.06%	3.71%	-2.12%	1.35%
Total Retirement	5.85%	14.14%	15.57%	5.40%	13.47%	4.93%	7.94%
Supplemental Death	0.21%	0.22%	0.19%	0.16%	0.21%	0.43%	0.22%
Total Rate	6.06%	14.36%	15.76%	5.56%	13.68%	5.36%	8.16%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	5.25%	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	12.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	16.8 years	23.4 years	13.6 years	21.7 years	23.4 years	N/A	20.6 years
Number of annuitants	10	102	252	4	23	3	40
Number of active contributing members	47	135	378	21	47	3	99
Number of inactive members	76	148	199	18	31	5	52
Average age of contributing members	42.1 years	42.0 years	42.4 years	43.0 years	43.6 years	48.3 years	46.9 years
Average length of service of contributing members	5.4 years	7.5 years	11.6 years	7.5 years	11.4 years	2.7 years	8.1 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Laguna Vista	Lake Dallas	Lake Jackson	Lake Worth	Lakeport	Lakeside	Lakeside City
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$368,269	\$1,557,238	\$32,053,182	\$13,474,303	\$193,496	\$1,757,314	\$167,733
b. Noncontributing Members	172,542	2,782,281	6,111,679	3,771,017	122,079	278,720	35,675
c. Annuitants	261,604	5,852,238	34,458,983	9,557,530	25,942	86,129	52,364
2. Total Actuarial Accrued Liability	\$802,415	\$10,191,757	\$72,623,844	\$26,802,850	\$341,517	\$2,122,163	\$255,772
3. Actuarial value of assets	988,986	9,489,083	68,826,017	21,803,283	479,512	1,783,121	246,822
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$186,571)	\$702,674	\$3,797,827	\$4,999,567	(\$137,995)	\$339,042	\$8,950
5. Funded Ratio: (3) / (2)	123.3%	93.1%	94.8%	81.3%	140.4%	84.0%	96.5%
6. Annual Payroll	\$804,901	\$2,323,208	\$12,796,546	\$5,982,444	\$224,130	\$995,901	\$242,202
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	4.97%	10.90%	7.88%	11.15%	2.72%	8.40%	4.80%
Prior Service	-0.90%	2.06%	3.19%	5.87%	-2.40%	2.58%	0.49%
Total Retirement	4.07%	12.96%	11.07%	17.02%	0.32%	10.98%	5.29%
Supplemental Death	0.14%	0.24%	0.26%	0.15%	0.15%	0.31%	0.31%
Total Rate	4.21%	13.20%	11.33%	17.17%	0.47%	11.29%	5.60%
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	13.50%	N/A	N/A	N/A	13.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	22.0 years	11.7 years	21.0 years	N/A	18.8 years	9.1 years
Number of annuitants	1	44	154	52	1	5	3
Number of active contributing members	16	37	230	97	6	19	5
Number of inactive members	14	57	186	71	3	21	1
Average age of contributing members	49.7 years	41.1 years	42.7 years	42.3 years	42.1 years	50.7 years	47.9 years
Average length of service of contributing members	7.3 years	8.1 years	9.8 years	10.7 years	8.3 years	16.1 years	11.0 years

	Lakeway	Lamesa	Lampasas	Lancaster	Laredo	Lavon	League City
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$15,607,819	\$4,978,507	\$18,186,326	\$36,097,671	\$413,682,421	\$1,087,199	\$90,940,010
b. Noncontributing Members	3,423,017	2,133,116	2,066,646	15,956,811	23,222,930	327,255	16,581,982
c. Annuitants	8,150,337	9,000,123	10,440,626	43,248,299	302,236,795	246,575	66,020,700
2. Total Actuarial Accrued Liability	\$27,181,173	\$16,111,746	\$30,693,598	\$95,302,781	\$739,142,146	\$1,661,029	\$173,542,692
3. Actuarial value of assets	22,901,680	16,882,110	25,960,852	82,147,310	596,320,300	1,563,935	150,908,853
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$4,279,493	(\$770,364)	\$4,732,746	\$13,155,471	\$142,821,846	\$97,094	\$22,633,839
5. Funded Ratio: (3) / (2)	84.3%	104.8%	84.6%	86.2%	80.7%	94.2%	87.0%
6. Annual Payroll	\$7,612,066	\$3,873,832	\$5,999,401	\$19,242,688	\$129,598,883	\$1,094,972	\$38,086,311
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	9.78%	4.88%	9.98%	8.65%	10.30%	6.80%	9.67%
Prior Service	3.73%	-0.77%	5.77%	4.59%	10.22%	0.65%	4.71%
Total Retirement	13.51%	4.11%	15.75%	13.24%	20.52%	7.45%	14.38%
Supplemental Death	0.19%	0.00%	0.25%	0.18%	0.23%	0.14%	0.18%
Total Rate	13.70%	4.11%	16.00%	13.42%	20.75%	7.59%	14.56%
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)	15.50%	13.50%	N/A	N/A	N/A	N/A	15.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	22.9 years	N/A	19.7 years	23.2 years	14.1 years	19.7 years	17.5 years
Number of annuitants	69	61	68	212	1,136	5	257
Number of active contributing members	115	82	120	259	2,268	21	554
Number of inactive members	102	87	64	261	633	19	307
Average age of contributing members	44.8 years	45.9 years	44.0 years	40.5 years	43.9 years	46.5 years	42.3 years
Average length of service of contributing members	8.7 years	5.6 years	11.0 years	8.3 years	10.9 years	9.6 years	9.9 years



**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
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	Leander	Lefors	Leon Valley	Leonard	Levelland	Lewisville	Lexington
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$38,643,116	\$66,767	\$16,789,829	\$217,764	\$12,588,139	\$161,902,512	\$263,155
b. Noncontributing Members	4,848,801	22,102	5,642,556	205,232	3,197,223	24,837,165	427,256
c. Annuitants	7,787,784	0	27,197,108	458,354	14,583,522	165,217,937	1,211,243
2. Total Actuarial Accrued Liability	\$51,279,701	\$88,869	\$49,629,493	\$881,350	\$30,368,884	\$351,957,614	\$1,901,654
3. Actuarial value of assets	43,157,425	82,389	43,384,321	1,007,077	30,170,375	310,579,498	1,819,135
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$8,122,276	\$6,480	\$6,245,172	(\$125,727)	\$198,509	\$41,378,116	\$82,519
5. Funded Ratio: (3) / (2)	84.2%	92.7%	87.4%	114.3%	99.3%	88.2%	95.7%
6. Annual Payroll	\$22,715,706	\$122,930	\$7,284,124	\$640,118	\$5,326,268	\$60,958,167	\$556,119
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	9.80%	1.73%	11.06%	1.67%	8.79%	10.46%	6.77%
Prior Service	2.38%	1.61%	6.57%	-0.76%	0.25%	5.89%	1.21%
Total Retirement	12.18%	3.34%	17.63%	0.91%	9.04%	16.35%	7.98%
Supplemental Death	0.12%	0.12%	0.26%	0.27%	0.21%	0.00%	0.00%
Total Rate	12.30%	3.46%	17.89%	1.18%	9.25%	16.35%	7.98%
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)	13.50%	N/A	N/A	9.50%	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	22.8 years	3.5 years	18.4 years	N/A	22.0 years	15.5 years	16.9 years
Number of annuitants	65	0	113	10	55	501	9
Number of active contributing members	337	6	112	16	93	782	13
Number of inactive members	120	16	73	21	36	421	20
Average age of contributing members	41.9 years	47.7 years	44.9 years	38.3 years	42.9 years	40.1 years	41.0 years
Average length of service of contributing members	8.9 years	3.6 years	12.2 years	7.1 years	11.1 years	11.1 years	4.2 years

	Liberty	Liberty Hill	Lindale	Linden	Lindsay	Lipan	Little Elm
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$7,494,554	\$1,275,874	\$5,610,615	\$373,029	\$41,449	\$224,191	\$36,193,380
b. Noncontributing Members	2,230,737	322,541	1,024,402	137,833	0	3,079	6,553,704
c. Annuitants	8,190,764	275,506	3,151,316	416,871	0	0	8,395,741
2. Total Actuarial Accrued Liability	\$17,916,055	\$1,873,921	\$9,786,333	\$927,733	\$41,449	\$227,270	\$51,142,825
3. Actuarial value of assets	13,701,505	1,806,884	7,593,401	1,000,251	31,581	224,033	43,602,442
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$4,214,550	\$67,037	\$2,192,932	(\$72,518)	\$9,868	\$3,237	\$7,540,383
5. Funded Ratio: (3) / (2)	76.5%	96.4%	77.6%	107.8%	76.2%	98.6%	85.3%
6. Annual Payroll	\$5,302,402	\$3,152,052	\$2,828,891	\$547,888	\$181,631	\$175,051	\$20,428,764
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.33%	6.57%	8.38%	1.32%	4.24%	1.61%	11.25%
Prior Service	10.15%	0.15%	6.38%	-0.52%	0.77%	0.39%	2.51%
Total Retirement	15.48%	6.72%	14.76%	0.80%	5.01%	2.00%	13.76%
Supplemental Death	0.00%	0.11%	0.00%	0.38%	0.14%	0.17%	0.09%
Total Rate	15.48%	6.83%	14.76%	1.18%	5.15%	2.17%	13.85%
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	7.50%	N/A	N/A	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	9.8 years	21.6 years	16.6 years	N/A	8.3 years	5.4 years	22.0 years
Number of annuitants	53	4	13	10	0	0	59
Number of active contributing members	104	51	55	16	4	5	280
Number of inactive members	131	22	39	11	0	1	170
Average age of contributing members	42.2 years	43.2 years	43.5 years	43.9 years	53.9 years	50.4 years	40.6 years
Average length of service of contributing members	9.3 years	5.6 years	9.3 years	5.8 years	2.3 years	11.5 years	9.0 years

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**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Littlefield	Live Oak	Liverpool	Livingston	Llano	Lockhart	Lockney
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,780,398	\$25,726,960	\$97,283	\$17,329,534	\$4,824,660	\$16,833,273	\$124,740
b. Noncontributing Members	1,835,646	5,656,521	24,725	1,307,978	843,777	4,155,326	72,983
c. Annuitants	3,624,599	18,056,047	0	12,486,795	3,566,472	16,710,280	277,651
2. Total Actuarial Accrued Liability	\$9,240,643	\$49,439,528	\$122,008	\$31,124,307	\$9,234,909	\$37,698,879	\$475,374
3. Actuarial value of assets	9,042,538	43,067,735	119,918	27,811,568	7,627,839	33,227,018	871,385
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$198,105	\$6,371,793	\$2,090	\$3,312,739	\$1,607,070	\$4,471,861	(\$396,011)
5. Funded Ratio: (3) / (2)	97.9%	87.1%	98.3%	89.4%	82.6%	88.1%	183.3%
6. Annual Payroll	\$2,495,541	\$7,576,180	\$240,450	\$4,757,635	\$2,453,324	\$7,164,120	\$282,708
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	6.41%	10.82%	1.73%	8.97%	7.85%	7.19%	2.53%
Prior Service	0.61%	6.85%	0.12%	6.28%	5.22%	5.14%	-2.53%
Total Retirement	7.02%	17.67%	1.85%	15.25%	13.07%	12.33%	0.00%
Supplemental Death	0.38%	0.20%	0.16%	0.26%	0.49%	0.25%	0.28%
Total Rate	7.40%	17.87%	2.01%	15.51%	13.56%	12.58%	0.28%
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)	11.50%	N/A	N/A	N/A	N/A	N/A	7.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	18.6 years	16.9 years	8.6 years	14.7 years	17.6 years	16.6 years	N/A
Number of annuitants	46	82	0	43	42	84	3
Number of active contributing members	58	115	5	83	49	135	6
Number of inactive members	58	80	3	16	32	124	5
Average age of contributing members	42.9 years	44.2 years	45.3 years	44.9 years	48.2 years	42.9 years	45.9 years
Average length of service of contributing members	9.6 years	13.6 years	4.8 years	12.0 years	9.7 years	10.2 years	5.1 years

	Lone Star	Longview	Loraine	Lorena	Lorenzo	Los Fresnos	Lott
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$626,458	\$87,412,784	\$9,939	\$1,330,925	\$113,190	\$3,894,939	\$183,165
b. Noncontributing Members	107,736	12,707,318	66,686	332,949	32,973	510,982	46,186
c. Annuitants	868,668	97,574,784	42,010	401,052	255,878	1,289,576	25,433
2. Total Actuarial Accrued Liability	\$1,602,862	\$197,694,886	\$118,635	\$2,064,926	\$402,041	\$5,695,497	\$254,784
3. Actuarial value of assets	1,723,951	181,612,339	134,195	1,883,424	624,134	4,876,592	272,366
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$121,089)	\$16,082,547	(\$15,560)	\$181,502	(\$222,093)	\$818,905	(\$17,582)
5. Funded Ratio: (3) / (2)	107.6%	91.9%	113.1%	91.2%	155.2%	85.6%	106.9%
6. Annual Payroll	\$454,217	\$35,869,601	\$92,352	\$756,668	\$220,113	\$2,293,496	\$330,764
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	3.28%	7.36%	4.09%	8.80%	5.41%	4.75%	1.82%
Prior Service	-1.04%	3.66%	-0.66%	1.70%	-3.93%	2.42%	-0.21%
Total Retirement	2.24%	11.02%	3.43%	10.50%	1.48%	7.17%	1.61%
Supplemental Death	0.27%	0.31%	0.12%	0.20%	0.00%	0.22%	0.17%
Total Rate	2.51%	11.33%	3.55%	10.70%	1.48%	7.39%	1.78%
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%	15.50%	N/A	12.50%	9.50%	11.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	16.8 years	N/A	20.6 years	N/A	22.2 years	N/A
Number of annuitants	10	549	2	10	6	19	4
Number of active contributing members	12	635	1	18	6	57	6
Number of inactive members	14	339	6	9	5	32	25
Average age of contributing members	43.4 years	43.0 years	50.9 years	48.3 years	46.2 years	40.8 years	50.0 years
Average length of service of contributing members	8.3 years	10.3 years	2.7 years	11.8 years	4.7 years	10.6 years	5.5 years

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**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Lovelady	Lubbock	Lucas	Lufkin	Luling	Lumberton	Lyford
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$119,041	\$307,591,602	\$3,704,884	\$47,025,666	\$5,953,597	\$8,278,625	\$605,918
b. Noncontributing Members	0	47,632,409	691,248	8,314,209	981,024	442,766	17,655
c. Annuitants	<u>11,131</u>	<u>422,502,723</u>	<u>1,274,302</u>	<u>56,868,895</u>	<u>3,565,582</u>	<u>3,583,132</u>	<u>63,432</u>
2. Total Actuarial Accrued Liability	\$130,172	\$777,726,734	\$5,670,434	\$112,208,770	\$10,500,203	\$12,304,523	\$687,005
3. Actuarial value of assets	<u>123,088</u>	<u>684,029,954</u>	<u>4,961,469</u>	<u>96,686,825</u>	<u>10,430,648</u>	<u>10,713,665</u>	<u>630,126</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$7,084	\$93,696,780	\$708,965	\$15,521,945	\$69,555	\$1,590,858	\$56,879
5. Funded Ratio: (3) / (2)	94.6%	88.0%	87.5%	86.2%	99.3%	87.1%	91.7%
6. Annual Payroll	\$128,879	\$113,106,895	\$2,668,559	\$17,551,593	\$4,041,396	\$2,548,485	\$427,631
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	6.13%	10.00%	10.57%	8.64%	5.98%	10.28%	1.34%
Prior Service	<u>1.64%</u>	<u>6.66%</u>	<u>1.90%</u>	<u>7.63%</u>	<u>0.11%</u>	<u>5.23%</u>	<u>1.36%</u>
Total Retirement	7.77%	16.66%	12.47%	16.27%	6.09%	15.51%	2.70%
Supplemental Death	<u>0.22%</u>	<u>0.00%</u>	<u>0.10%</u>	<u>0.30%</u>	<u>0.37%</u>	<u>0.29%</u>	<u>0.00%</u>
Total Rate	7.99%	16.66%	12.57%	16.57%	6.46%	15.80%	2.70%
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	N/A	15.50%	N/A	11.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	3.6 years	17.2 years	20.5 years	15.6 years	25.0 years	16.2 years	12.5 years
Number of annuitants	1	1,452	22	259	43	25	2
Number of active contributing members	3	1,821	39	330	91	43	17
Number of inactive members	0	896	22	197	80	12	14
Average age of contributing members	42.7 years	43.5 years	40.1 years	44.0 years	43.7 years	47.5 years	44.9 years
Average length of service of contributing members	6.7 years	10.2 years	7.5 years	10.4 years	9.4 years	11.5 years	11.7 years

	Lytle	Madisonville	Magnolia	Malakoff	Manor	Mansfield	Manvel
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,285,289	\$2,216,444	\$791,031	\$2,036,202	\$4,864,472	\$114,000,105	\$3,011,624
b. Noncontributing Members	55,610	617,868	410,647	261,542	744,414	13,469,630	640,897
c. Annuitants	<u>214,492</u>	<u>2,181,024</u>	<u>626,705</u>	<u>763,272</u>	<u>507,495</u>	<u>73,857,100</u>	<u>1,422,284</u>
2. Total Actuarial Accrued Liability	\$4,555,391	\$5,015,336	\$1,828,383	\$3,061,016	\$6,116,381	\$201,326,835	\$5,074,805
3. Actuarial value of assets	<u>3,945,005</u>	<u>4,592,745</u>	<u>1,919,069</u>	<u>2,923,472</u>	<u>4,927,918</u>	<u>176,612,580</u>	<u>4,101,021</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$610,386	\$422,591	(\$90,686)	\$137,544	\$1,188,463	\$24,714,255	\$973,784
5. Funded Ratio: (3) / (2)	86.6%	91.6%	105.0%	95.5%	80.6%	87.7%	80.8%
6. Annual Payroll	\$1,311,011	\$1,676,142	\$1,584,018	\$1,469,744	\$4,796,336	\$41,073,309	\$3,373,781
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	6.67%	6.66%	4.84%	6.16%	5.68%	11.50%	5.84%
Prior Service	<u>3.80%</u>	<u>1.87%</u>	<u>-0.22%</u>	<u>0.65%</u>	<u>2.55%</u>	<u>4.38%</u>	<u>3.54%</u>
Total Retirement	10.47%	8.53%	4.62%	6.81%	8.23%	15.88%	9.38%
Supplemental Death	<u>0.18%</u>	<u>0.31%</u>	<u>0.22%</u>	<u>0.19%</u>	<u>0.10%</u>	<u>0.14%</u>	<u>0.12%</u>
Total Rate	10.65%	8.84%	4.84%	7.00%	8.33%	16.02%	9.50%
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)	11.50%	11.50%	12.50%	13.50%	N/A	N/A	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	16.8 years	19.3 years	N/A	21.1 years	12.3 years	19.8 years	9.9 years
Number of annuitants	4	24	15	13	9	231	12
Number of active contributing members	24	35	33	24	80	467	60
Number of inactive members	8	37	34	11	40	208	44
Average age of contributing members	47.1 years	44.0 years	42.8 years	51.5 years	38.5 years	41.6 years	40.3 years
Average length of service of contributing members	12.3 years	8.6 years	4.9 years	11.2 years	8.1 years	12.3 years	6.9 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Marble Falls	Marfa	Marion	Marlin	Marquez	Marshall	Mart
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$13,787,784	\$1,907,713	\$476,052	\$1,678,301	\$140,039	\$19,815,803	\$399,380
b. Noncontributing Members	2,935,272	360,104	111,265	1,248,698	0	4,356,964	525,979
c. Annuitants	<u>11,899,565</u>	<u>1,091,246</u>	<u>397,995</u>	<u>2,702,027</u>	<u>0</u>	<u>38,169,241</u>	<u>507,254</u>
2. Total Actuarial Accrued Liability	\$28,622,621	\$3,359,063	\$985,312	\$5,629,026	\$140,039	\$62,342,008	\$1,432,613
3. Actuarial value of assets	<u>25,678,073</u>	<u>3,691,156</u>	<u>1,219,090</u>	<u>5,403,552</u>	<u>49,563</u>	<u>55,516,939</u>	<u>1,756,085</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,944,548	(\$332,093)	(\$233,778)	\$225,474	\$90,476	\$6,825,069	(\$323,472)
5. Funded Ratio: (3) / (2)	89.7%	109.9%	123.7%	96.0%	35.4%	89.1%	122.6%
6. Annual Payroll	\$7,581,004	\$1,940,123	\$464,875	\$2,044,940	\$104,097	\$9,116,368	\$613,576
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	7.97%	3.78%	6.24%	6.66%	2.10%	9.83%	5.31%
Prior Service	<u>2.71%</u>	<u>-0.67%</u>	<u>-1.96%</u>	<u>0.73%</u>	<u>16.35%</u>	<u>5.93%</u>	<u>-2.05%</u>
Total Retirement	10.68%	3.11%	4.28%	7.39%	18.45%	15.76%	3.26%
Supplemental Death	<u>0.22%</u>	<u>0.41%</u>	<u>0.66%</u>	<u>0.47%</u>	<u>0.19%</u>	<u>0.41%</u>	<u>0.34%</u>
Total Rate	10.90%	3.52%	4.94%	7.86%	18.64%	16.17%	3.60%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	3.53%
Statutory Maximum Rate (Total Retirement Only)	13.50%	11.50%	11.50%	11.50%	N/A	N/A	9.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	22.4 years	N/A	N/A	23.1 years	6.0 years	18.7 years	N/A
Number of annuitants	95	21	7	53	0	194	10
Number of active contributing members	114	42	9	55	3	186	15
Number of inactive members	74	31	17	105	0	96	34
Average age of contributing members	41.6 years	48.8 years	48.0 years	43.8 years	59.4 years	45.5 years	46.0 years
Average length of service of contributing members	9.6 years	6.3 years	11.8 years	5.2 years	13.0 years	9.6 years	4.9 years

	Martindale	Mason	Matador	Mathis	Maud	Maypearl	McAllen
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$134,460	\$957,837	\$68,683	\$1,215,814	\$37,967	\$86,252	\$171,922,747
b. Noncontributing Members	104,599	274,444	47,652	789,124	167,498	126,389	30,215,384
c. Annuitants	<u>12,164</u>	<u>2,640,575</u>	<u>139,060</u>	<u>1,391,005</u>	<u>0</u>	<u>46,955</u>	<u>113,925,685</u>
2. Total Actuarial Accrued Liability	\$251,223	\$3,872,856	\$255,395	\$3,395,943	\$205,465	\$259,596	\$316,063,816
3. Actuarial value of assets	<u>237,937</u>	<u>3,678,545</u>	<u>234,527</u>	<u>4,230,245</u>	<u>172,336</u>	<u>285,946</u>	<u>294,058,555</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$13,286	\$194,311	\$20,868	(\$834,302)	\$33,129	(\$26,350)	\$22,005,261
5. Funded Ratio: (3) / (2)	94.7%	95.0%	91.8%	124.6%	83.9%	110.2%	93.0%
6. Annual Payroll	\$137,139	\$1,297,334	\$127,729	\$2,201,915	\$203,617	\$173,045	\$79,785,014
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.73%	4.22%	2.36%	5.76%	2.35%	1.27%	4.57%
Prior Service	<u>2.46%</u>	<u>1.50%</u>	<u>4.22%</u>	<u>-1.48%</u>	<u>2.01%</u>	<u>-0.59%</u>	<u>3.56%</u>
Total Retirement	8.19%	5.72%	6.58%	4.28%	4.36%	0.68%	8.13%
Supplemental Death	<u>0.17%</u>	<u>0.46%</u>	<u>0.48%</u>	<u>0.32%</u>	<u>0.25%</u>	<u>0.26%</u>	<u>0.00%</u>
Total Rate	8.36%	6.18%	7.06%	4.60%	4.61%	0.94%	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	9.50%	N/A	13.50%	N/A	7.50%	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	4.3 years	12.8 years	4.3 years	N/A	9.8 years	N/A	9.3 years
Number of annuitants	1	19	2	29	0	3	618
Number of active contributing members	3	26	3	49	5	4	1,608
Number of inactive members	7	11	3	105	13	16	509
Average age of contributing members	55.7 years	41.8 years	53.0 years	43.0 years	48.1 years	37.9 years	42.1 years
Average length of service of contributing members	9.4 years	6.1 years	12.8 years	5.0 years	6.2 years	6.6 years	10.4 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
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	McCamey	McGregor	McKinney	McLean	McLendon-Chisholm	Meadow	Meadowlakes
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,915,104	\$3,773,010	\$226,756,540	\$292,051	\$82,338	\$89,995	\$648,193
b. Noncontributing Members	7,437	1,181,600	39,640,038	108,441	38,209	2,825	42,254
c. Annuitants	212,697	4,033,153	98,020,381	159,061	76,413	16,441	113,711
2. Total Actuarial Accrued Liability	\$2,135,238	\$8,987,763	\$364,416,959	\$559,553	\$196,960	\$109,261	\$804,158
3. Actuarial value of assets	2,233,436	8,472,689	314,778,304	552,986	228,326	80,834	805,040
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$98,198)	\$515,074	\$49,638,655	\$6,567	(\$31,366)	\$28,427	(\$882)
5. Funded Ratio: (3) / (2)	104.6%	94.3%	86.4%	98.8%	115.9%	74.0%	100.1%
6. Annual Payroll	\$710,192	\$2,732,059	\$93,243,514	\$261,909	\$585,142	\$178,184	\$1,055,830
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	2.96%	8.51%	11.48%	2.02%	7.52%	1.63%	2.49%
Prior Service	-0.54%	1.26%	3.54%	0.39%	-0.21%	2.55%	0.00%
Total Retirement	2.42%	9.77%	15.02%	2.41%	7.31%	4.18%	2.49%
Supplemental Death	0.12%	0.37%	0.11%	0.31%	0.15%	0.12%	0.24%
Total Rate	2.54%	10.14%	15.13%	2.72%	7.46%	4.30%	2.73%
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%	12.50%	N/A	N/A	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	22.8 years	22.9 years	7.5 years	N/A	7.3 years	N/A
Number of annuitants	3	40	371	3	2	1	2
Number of active contributing members	14	49	1,171	6	9	7	26
Number of inactive members	3	51	529	6	4	9	10
Average age of contributing members	43.4 years	46.5 years	41.8 years	57.5 years	44.8 years	42.9 years	51.6 years
Average length of service of contributing members	10.8 years	10.6 years	11.1 years	10.4 years	5.0 years	4.5 years	4.0 years

	Meadows Place	Melissa	Memorial Villages PD	Memphis	Menard	Mercedes	Meridian
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,343,737	\$4,676,199	\$5,448,530	\$1,697,713	\$148,744	\$7,067,959	\$797,970
b. Noncontributing Members	1,452,461	689,130	1,494,832	52,210	254,007	2,761,256	29,479
c. Annuitants	3,760,912	1,928,305	9,298,212	1,381,089	1,199,587	13,870,940	90,645
2. Total Actuarial Accrued Liability	\$8,557,110	\$7,293,634	\$16,241,574	\$3,131,012	\$1,602,338	\$23,700,155	\$918,094
3. Actuarial value of assets	7,714,403	5,738,476	13,492,355	2,836,276	1,982,172	20,328,156	1,005,542
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$842,707	\$1,555,158	\$2,749,219	\$294,736	(\$379,834)	\$3,371,999	(\$87,448)
5. Funded Ratio: (3) / (2)	90.2%	78.7%	83.1%	90.6%	123.7%	85.8%	109.5%
6. Annual Payroll	\$2,055,520	\$3,601,152	\$3,700,191	\$627,039	\$305,596	\$5,570,899	\$517,421
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	6.09%	9.22%	6.21%	7.02%	3.63%	10.58%	4.00%
Prior Service	4.30%	3.01%	4.91%	3.32%	-3.63%	4.99%	-0.66%
Total Retirement	10.39%	12.23%	11.12%	10.34%	0.00%	15.57%	3.34%
Supplemental Death	0.19%	0.14%	0.24%	0.23%	0.00%	0.22%	0.13%
Total Rate	10.58%	12.37%	11.36%	10.57%	0.00%	15.79%	3.47%
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)	13.50%	N/A	N/A	N/A	N/A	N/A	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	12.0 years	21.2 years	23.1 years	20.8 years	N/A	16.6 years	N/A
Number of annuitants	21	22	40	9	6	72	2
Number of active contributing members	31	55	44	20	10	131	12
Number of inactive members	32	49	22	13	10	112	9
Average age of contributing members	45.0 years	39.9 years	45.9 years	48.3 years	49.7 years	39.4 years	42.9 years
Average length of service of contributing members	10.4 years	8.2 years	13.4 years	10.4 years	5.5 years	7.2 years	8.8 years

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	Merkel	Mertzon	Mesquite	Mexia	Miami	Midland	Midlothian
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$761,033	\$179,073	\$237,230,751	\$8,474,144	\$202,792	\$124,214,977	\$35,315,300
b. Noncontributing Members	279,338	96,899	26,641,758	2,909,833	0	28,055,998	7,629,963
c. Annuitants	832,044	251,002	279,973,202	7,850,530	0	203,581,001	18,830,568
2. Total Actuarial Accrued Liability	\$1,872,415	\$526,974	\$543,845,711	\$19,234,507	\$202,792	\$355,851,976	\$61,775,831
3. Actuarial value of assets	1,658,599	318,312	479,744,400	18,442,084	166,582	314,430,938	52,349,951
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$213,816	\$208,662	\$64,101,311	\$792,423	\$36,210	\$41,421,038	\$9,425,880
5. Funded Ratio: (3) / (2)	88.6%	60.4%	88.2%	95.9%	82.1%	88.4%	84.7%
6. Annual Payroll	\$585,544	\$238,814	\$82,123,079	\$3,901,784	\$104,193	\$55,004,156	\$18,621,413
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	9.85%	4.39%	8.39%	10.02%	2.52%	8.16%	11.55%
Prior Service	2.69%	6.38%	9.29%	1.35%	7.69%	6.08%	3.34%
Total Retirement	12.54%	10.77%	17.68%	11.37%	10.21%	14.24%	14.89%
Supplemental Death	0.18%	0.26%	0.00%	0.30%	0.32%	0.27%	0.14%
Total Rate	12.72%	11.03%	17.68%	11.67%	10.53%	14.51%	15.03%
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	N/A	13.50%	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	19.5 years	19.8 years	10.3 years	23.1 years	5.0 years	17.1 years	23.1 years
Number of annuitants	7	2	871	64	0	668	102
Number of active contributing members	16	5	1,100	86	3	796	265
Number of inactive members	20	13	504	99	0	696	135
Average age of contributing members	43.2 years	43.7 years	43.0 years	44.0 years	64.5 years	40.7 years	41.3 years
Average length of service of contributing members	4.9 years	6.7 years	11.8 years	8.8 years	14.4 years	8.5 years	10.5 years

	Milano	Miles	Milford	Mineola	Mineral Wells	Mission	Missouri City
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$34,025	\$76,704	\$242,404	\$4,213,078	\$11,532,911	\$68,808,848	\$49,553,487
b. Noncontributing Members	0	166,997	97,890	860,050	3,009,440	7,390,377	17,006,317
c. Annuitants	0	42,748	550,187	3,854,943	22,344,673	35,117,610	56,274,518
2. Total Actuarial Accrued Liability	\$34,025	\$286,449	\$890,481	\$8,928,071	\$36,887,024	\$111,316,835	\$122,834,322
3. Actuarial value of assets	28,619	373,963	795,637	7,958,033	35,081,430	101,543,689	116,166,259
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$5,406	(\$87,514)	\$94,844	\$970,038	\$1,805,594	\$9,773,146	\$6,668,063
5. Funded Ratio: (3) / (2)	84.1%	130.6%	89.3%	89.1%	95.1%	91.2%	94.6%
6. Annual Payroll	\$33,785	\$173,656	\$284,178	\$2,413,506	\$9,742,932	\$33,447,112	\$26,142,905
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	3.34%	1.95%	3.18%	7.73%	6.41%	6.74%	5.29%
Prior Service	8.83%	-1.95%	5.47%	3.00%	1.74%	2.01%	3.76%
Total Retirement	12.17%	0.00%	8.65%	10.73%	8.15%	8.75%	9.05%
Supplemental Death	0.44%	0.20%	0.36%	0.23%	0.31%	0.16%	0.16%
Total Rate	12.61%	0.20%	9.01%	10.96%	8.46%	8.91%	9.21%
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	7.50%	N/A	13.50%	11.50%	12.50%	15.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	1.9 years	N/A	7.3 years	19.1 years	14.0 years	21.7 years	8.0 years
Number of annuitants	0	1	6	34	134	228	212
Number of active contributing members	1	4	6	49	184	705	347
Number of inactive members	0	10	11	43	112	383	212
Average age of contributing members	71.2 years	46.3 years	34.8 years	42.9 years	42.2 years	42.8 years	41.4 years
Average length of service of contributing members	11.3 years	11.4 years	6.2 years	9.0 years	7.8 years	10.2 years	10.2 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Monahans	Mont Belvieu	Montgomery	Moody	Morgan's Point	Morgan's Point Resort	Morton
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$8,814,246	\$12,145,764	\$1,024,492	\$381,312	\$1,953,461	\$2,400,091	\$1,379,891
b. Noncontributing Members	1,354,380	2,847,655	535,280	46,275	574,451	644,359	404,394
c. Annuitants	5,447,679	12,526,322	534,006	494,149	2,599,643	1,617,712	783,001
2. Total Actuarial Accrued Liability	\$15,616,305	\$27,519,741	\$2,093,778	\$921,736	\$5,127,555	\$4,662,162	\$2,567,286
3. Actuarial value of assets	14,829,004	23,282,948	1,963,373	876,863	4,991,203	4,200,444	2,914,883
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$787,301	\$4,236,793	\$130,405	\$44,873	\$136,352	\$461,718	(\$347,597)
5. Funded Ratio: (3) / (2)	95.0%	84.6%	93.8%	95.1%	97.3%	90.1%	113.5%
6. Annual Payroll	\$4,302,438	\$11,109,247	\$1,744,358	\$502,028	\$970,209	\$1,354,770	\$410,389
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.40%	11.21%	9.03%	1.30%	8.89%	9.57%	6.45%
Prior Service	1.43%	2.54%	0.56%	0.90%	1.27%	2.26%	-3.30%
Total Retirement	6.83%	13.75%	9.59%	2.20%	10.16%	11.83%	3.15%
Supplemental Death	0.22%	0.12%	0.15%	0.23%	0.09%	0.29%	0.14%
Total Rate	7.05%	13.87%	9.74%	2.43%	10.25%	12.12%	3.29%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	13.50%	7.50%	N/A	13.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	17.9 years	22.7 years	19.1 years	12.7 years	16.1 years	22.9 years	N/A
Number of annuitants	26	34	11	4	19	28	3
Number of active contributing members	65	177	28	11	13	28	8
Number of inactive members	44	46	24	12	3	17	6
Average age of contributing members	42.4 years	40.4 years	41.0 years	44.5 years	42.8 years	41.2 years	48.1 years
Average length of service of contributing members	10.4 years	5.5 years	7.4 years	9.9 years	12.6 years	7.9 years	16.7 years

	Moulton	Mount Enterprise	Mt. Pleasant	Mt. Vernon	Muenster	Muleshoe	Munday
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$627,675	\$10,396	\$22,860,838	\$2,482,720	\$538,079	\$4,415,228	\$169,435
b. Noncontributing Members	635,667	84,158	8,152,266	568,462	357,213	912,740	53,411
c. Annuitants	1,126,225	126,842	15,042,267	1,063,816	708,100	6,083,468	192,545
2. Total Actuarial Accrued Liability	\$2,389,567	\$221,396	\$46,055,371	\$4,114,998	\$1,603,392	\$11,411,436	\$415,391
3. Actuarial value of assets	2,453,055	224,522	39,857,976	3,949,424	1,981,830	9,530,957	346,630
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$63,488)	(\$3,126)	\$6,197,395	\$165,574	(\$378,438)	\$1,880,479	\$68,761
5. Funded Ratio: (3) / (2)	102.7%	101.4%	86.5%	96.0%	123.6%	83.5%	83.4%
6. Annual Payroll	\$509,929	\$107,142	\$9,200,523	\$988,800	\$581,496	\$1,548,910	\$287,088
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	4.65%	2.36%	9.79%	9.07%	4.38%	9.23%	1.56%
Prior Service	-0.48%	-0.11%	4.97%	1.13%	-2.53%	9.93%	1.90%
Total Retirement	4.17%	2.25%	14.76%	10.20%	1.85%	19.16%	3.46%
Supplemental Death	0.29%	0.20%	0.19%	0.26%	0.00%	0.34%	0.34%
Total Rate	4.46%	2.45%	14.95%	10.46%	1.85%	19.50%	3.80%
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	N/A	13.50%	11.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	N/A	19.5 years	22.3 years	N/A	16.9 years	17.6 years
Number of annuitants	14	1	101	16	11	31	4
Number of active contributing members	10	2	165	22	12	34	7
Number of inactive members	20	3	95	17	7	25	7
Average age of contributing members	45.9 years	49.8 years	42.2 years	48.1 years	46.6 years	43.5 years	46.5 years
Average length of service of contributing members	8.9 years	1.3 years	9.2 years	10.3 years	7.7 years	11.0 years	8.7 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Murphy	Nacogdoches	Naples	Nash	Nassau Bay	Natalia	Navasota
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$13,452,330	\$49,669,349	\$145,262	\$2,800,173	\$6,768,512	\$167,705	\$7,217,082
b. Noncontributing Members	6,513,554	5,395,584	61,061	210,062	1,199,184	144,885	1,501,318
c. Annuitants	7,719,546	57,969,351	283,892	1,073,739	3,535,624	103,577	5,474,336
2. Total Actuarial Accrued Liability	\$27,685,430	\$113,034,284	\$490,215	\$4,083,974	\$11,503,320	\$416,167	\$14,192,736
3. Actuarial value of assets	24,393,530	99,751,269	615,790	2,836,074	10,285,052	386,029	14,233,100
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$3,291,900	\$13,283,015	(\$125,575)	\$1,247,900	\$1,218,268	\$30,138	(\$40,364)
5. Funded Ratio: (3) / (2)	88.1%	88.2%	125.6%	69.4%	89.4%	92.8%	100.3%
6. Annual Payroll	\$8,473,681	\$17,630,203	\$300,147	\$1,125,426	\$3,017,005	\$460,425	\$3,737,179
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	11.64%	8.58%	3.10%	10.19%	8.07%	1.58%	6.59%
Prior Service	2.59%	5.89%	-1.63%	8.39%	2.74%	0.68%	-0.04%
Total Retirement	14.23%	14.47%	1.47%	18.58%	10.81%	2.26%	6.55%
Supplemental Death	0.15%	0.27%	0.30%	0.27%	0.19%	0.21%	0.26%
Total Rate	14.38%	14.74%	1.77%	18.85%	11.00%	2.47%	6.81%
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)	15.50%	N/A	9.50%	N/A	N/A	N/A	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	22.7 years	17.9 years	N/A	18.8 years	23.1 years	12.1 years	N/A
Number of annuitants	55	244	6	11	30	4	49
Number of active contributing members	119	297	8	19	45	11	85
Number of inactive members	118	137	13	11	34	16	57
Average age of contributing members	40.9 years	42.9 years	45.1 years	42.3 years	45.6 years	44.6 years	42.4 years
Average length of service of contributing members	11.1 years	12.3 years	6.7 years	9.6 years	15.1 years	4.7 years	8.4 years

	Nederland	Needville	New Boston	New Braunfels	New Braunfels Utilities	New Deal	New Fairview
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$29,023,681	\$2,028,090	\$1,629,429	\$120,596,456	\$55,269,135	\$37,644	\$195,269
b. Noncontributing Members	3,382,113	302,456	565,410	15,042,422	7,338,012	42,942	0
c. Annuitants	29,224,248	896,838	1,617,129	66,564,912	44,083,955	288,628	15,071
2. Total Actuarial Accrued Liability	\$61,630,042	\$3,227,384	\$3,811,968	\$202,203,790	\$106,691,102	\$369,214	\$210,340
3. Actuarial value of assets	63,094,907	3,202,849	4,487,712	162,415,968	89,009,908	434,359	154,878
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$1,464,865)	\$24,535	(\$675,744)	\$39,787,822	\$17,681,194	(\$65,145)	\$55,462
5. Funded Ratio: (3) / (2)	102.4%	99.2%	117.7%	80.3%	83.4%	117.6%	73.6%
6. Annual Payroll	\$9,383,337	\$989,043	\$1,658,354	\$45,098,484	\$22,449,808	\$237,980	\$171,744
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	8.13%	3.38%	3.03%	11.19%	10.42%	1.63%	1.77%
Prior Service	-0.61%	0.20%	-1.59%	5.86%	7.19%	-1.07%	4.83%
Total Retirement	7.52%	3.58%	1.44%	17.05%	17.61%	0.56%	6.60%
Supplemental Death	0.00%	0.49%	0.29%	0.16%	0.16%	0.00%	0.19%
Total Rate	7.52%	4.07%	1.73%	17.21%	17.77%	0.56%	6.79%
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	9.50%	7.50%	N/A	N/A	7.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	17.0 years	N/A	22.9 years	14.5 years	N/A	7.8 years
Number of annuitants	108	11	17	294	133	4	1
Number of active contributing members	124	18	42	644	322	4	3
Number of inactive members	33	13	37	333	92	6	0
Average age of contributing members	43.9 years	53.1 years	46.9 years	41.8 years	41.1 years	42.8 years	38.6 years
Average length of service of contributing members	14.5 years	12.5 years	8.8 years	10.6 years	8.7 years	2.1 years	6.7 years



**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	New London	New Summerfield	New Waverly	Newark	Newton	Nixon	Nocona
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$739,080	\$431,127	\$636,319	\$52,606	\$4,285,036	\$569,317	\$2,071,372
b. Noncontributing Members	287,039	100,618	0	3,695	129,667	168,065	378,214
c. Annuitants	199,642	152,267	267,568	30,758	2,873,487	194,627	905,543
2. Total Actuarial Accrued Liability	\$1,225,761	\$684,012	\$903,887	\$87,059	\$7,288,190	\$932,009	\$3,355,129
3. Actuarial value of assets	1,279,813	697,255	769,622	91,176	6,015,291	1,044,339	2,973,219
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$54,052)	(\$13,243)	\$134,265	(\$4,117)	\$1,272,899	(\$112,330)	\$381,910
5. Funded Ratio: (3) / (2)	104.4%	101.9%	85.1%	104.7%	82.5%	112.1%	88.6%
6. Annual Payroll	\$369,681	\$422,783	\$271,372	\$306,165	\$1,270,061	\$840,530	\$887,931
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	3.91%	7.80%	6.91%	1.26%	11.27%	1.30%	6.77%
Prior Service	-0.57%	-0.12%	7.94%	-0.05%	8.45%	-0.52%	3.63%
Total Retirement	3.34%	7.68%	14.85%	1.21%	19.72%	0.78%	10.40%
Supplemental Death	0.00%	0.00%	0.35%	0.04%	0.26%	0.25%	0.40%
Total Rate	3.34%	7.68%	15.20%	1.25%	19.98%	1.03%	10.80%
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)	7.50%	13.50%	N/A	N/A	N/A	N/A	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	N/A	7.3 years	N/A	16.1 years	N/A	17.8 years
Number of annuitants	4	6	3	1	12	7	18
Number of active contributing members	8	9	5	6	24	22	22
Number of inactive members	6	8	0	5	9	36	16
Average age of contributing members	49.4 years	45.1 years	54.6 years	33.4 years	44.2 years	43.1 years	51.3 years
Average length of service of contributing members	13.1 years	7.5 years	17.0 years	3.4 years	11.8 years	6.4 years	10.3 years

	Nolanville	Normangee	North Richland Hills	Northlake	O'Donnell	Oak Point	Oak Ridge North
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$192,722	\$91,554	\$119,799,778	\$4,034,053	\$15,331	\$1,753,196	\$7,681,339
b. Noncontributing Members	139,495	44,049	22,310,892	669,191	78,987	1,142,287	630,945
c. Annuitants	27,092	127,502	142,768,413	102,800	167,208	650,671	3,787,570
2. Total Actuarial Accrued Liability	\$359,309	\$263,105	\$284,879,083	\$4,806,044	\$261,526	\$3,546,154	\$12,099,854
3. Actuarial value of assets	321,626	334,847	258,171,357	4,228,495	242,561	3,265,974	10,963,157
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$37,683	(\$71,742)	\$26,707,726	\$577,549	\$18,965	\$280,180	\$1,136,697
5. Funded Ratio: (3) / (2)	89.5%	127.3%	90.6%	88.0%	92.7%	92.1%	90.6%
6. Annual Payroll	\$822,124	\$298,254	\$38,828,483	\$3,117,301	\$160,187	\$2,262,676	\$2,645,437
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	1.53%	5.05%	11.31%	8.55%	1.44%	6.12%	8.93%
Prior Service	0.34%	-0.94%	5.50%	1.30%	2.74%	0.94%	2.88%
Total Retirement	1.87%	4.11%	16.81%	9.85%	4.18%	7.06%	11.81%
Supplemental Death	0.08%	0.30%	0.00%	0.11%	0.25%	0.11%	0.20%
Total Rate	1.95%	4.41%	16.81%	9.96%	4.43%	7.17%	12.01%
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	N/A	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	19.2 years	N/A	17.3 years	21.0 years	4.9 years	18.6 years	22.5 years
Number of annuitants	2	2	430	4	3	10	16
Number of active contributing members	19	7	544	49	4	34	40
Number of inactive members	21	7	321	31	4	42	31
Average age of contributing members	40.3 years	49.1 years	42.6 years	39.0 years	40.8 years	39.0 years	45.3 years
Average length of service of contributing members	3.1 years	2.6 years	12.5 years	7.3 years	1.5 years	6.4 years	12.3 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Odem	Odessa	Oglesby	Old River-Winfree	Olmos Park	Olney	Omaha
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$461,437	\$115,314,494	\$18,861	\$53,416	\$1,649,772	\$825,477	\$124,881
b. Noncontributing Members	15,602	23,798,564	0	6,043	1,491,524	276,494	46,404
c. Annuitants	<u>853,961</u>	<u>150,855,786</u>	<u>66,742</u>	<u>0</u>	<u>2,921,816</u>	<u>422,430</u>	<u>192,232</u>
2. Total Actuarial Accrued Liability	\$1,331,000	\$289,968,844	\$85,603	\$59,459	\$6,063,112	\$1,524,401	\$363,517
3. Actuarial value of assets	<u>1,008,497</u>	<u>257,741,309</u>	<u>83,480</u>	<u>86,250</u>	<u>6,466,797</u>	<u>1,464,245</u>	<u>301,044</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$322,503	\$32,227,535	\$2,123	(\$26,791)	(\$403,685)	\$60,156	\$62,473
5. Funded Ratio: (3) / (2)	75.8%	88.9%	97.5%	145.1%	106.7%	96.1%	82.8%
6. Annual Payroll	\$709,720	\$46,095,929	\$58,054	\$37,634	\$2,055,987	\$898,566	\$219,202
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	4.70%	8.26%	1.10%	2.35%	3.51%	6.17%	1.87%
Prior Service	<u>3.37%</u>	<u>5.44%</u>	<u>0.64%</u>	<u>-2.35%</u>	<u>-0.76%</u>	<u>0.51%</u>	<u>3.33%</u>
Total Retirement	8.07%	13.70%	1.74%	0.00%	2.75%	6.68%	5.20%
Supplemental Death	<u>0.41%</u>	<u>0.26%</u>	<u>0.41%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>0.23%</u>	<u>0.19%</u>
Total Rate	8.48%	13.96%	2.15%	0.00%	2.75%	6.91%	5.39%
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%	11.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	19.3 years	18.0 years	6.5 years	N/A	N/A	21.0 years	10.5 years
Number of annuitants	11	563	2	0	41	11	3
Number of active contributing members	21	713	2	1	38	22	6
Number of inactive members	10	508	0	1	72	16	3
Average age of contributing members	44.4 years	43.0 years	39.0 years	59.2 years	39.7 years	47.6 years	50.3 years
Average length of service of contributing members	4.7 years	9.3 years	5.3 years	14.6 years	8.1 years	8.0 years	6.7 years

	Onalaska	Orange	Orange Grove	Ore City	Overton	Ovilla	Oyster Creek
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$202,189	\$35,219,825	\$671,747	\$145,673	\$762,864	\$2,121,794	\$1,608,011
b. Noncontributing Members	61,889	5,311,546	83,007	181,500	521,947	910,521	375,020
c. Annuitants	<u>26,440</u>	<u>39,077,721</u>	<u>612,096</u>	<u>110,290</u>	<u>350,782</u>	<u>987,638</u>	<u>1,862,509</u>
2. Total Actuarial Accrued Liability	\$290,518	\$79,609,092	\$1,366,850	\$437,463	\$1,635,593	\$4,019,953	\$3,845,540
3. Actuarial value of assets	<u>422,938</u>	<u>73,954,802</u>	<u>1,442,023</u>	<u>467,058</u>	<u>1,855,104</u>	<u>3,632,038</u>	<u>3,466,794</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$132,420)	\$5,654,290	(\$75,173)	(\$29,595)	(\$219,511)	\$387,915	\$378,746
5. Funded Ratio: (3) / (2)	145.6%	92.9%	105.5%	106.8%	113.4%	90.4%	90.2%
6. Annual Payroll	\$546,219	\$9,970,930	\$425,596	\$422,650	\$852,818	\$1,472,540	\$1,224,337
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	3.14%	10.03%	8.75%	1.67%	4.77%	8.37%	8.34%
Prior Service	<u>-0.94%</u>	<u>4.37%</u>	<u>-0.69%</u>	<u>-0.27%</u>	<u>-1.00%</u>	<u>1.83%</u>	<u>2.28%</u>
Total Retirement	2.20%	14.40%	8.06%	1.40%	3.77%	10.20%	10.62%
Supplemental Death	<u>0.19%</u>	<u>0.00%</u>	<u>0.21%</u>	<u>0.16%</u>	<u>0.26%</u>	<u>0.18%</u>	<u>0.26%</u>
Total Rate	2.39%	14.40%	8.27%	1.56%	4.03%	10.38%	10.88%
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)	9.50%	N/A	12.50%	7.50%	12.50%	13.50%	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	18.3 years	N/A	N/A	N/A	21.4 years	19.5 years
Number of annuitants	4	144	5	3	11	17	22
Number of active contributing members	12	154	10	10	20	30	21
Number of inactive members	18	57	13	10	25	36	12
Average age of contributing members	44.6 years	45.1 years	45.5 years	48.2 years	44.7 years	42.6 years	40.1 years
Average length of service of contributing members	3.4 years	13.1 years	8.7 years	4.4 years	9.5 years	10.4 years	6.9 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Paducah	Palacios	Palestine	Palmer	Palmhurst	Palmview	Pampa
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$70,726	\$2,526,797	\$14,666,814	\$1,848,393	\$992,397	\$1,166,408	\$19,668,952
b. Noncontributing Members	94,784	1,785,943	6,121,209	616,682	186,550	637,442	3,100,819
c. Annuitants	<u>1,007,973</u>	<u>3,008,898</u>	<u>29,248,504</u>	<u>411,152</u>	<u>66,135</u>	<u>446,233</u>	<u>26,506,289</u>
2. Total Actuarial Accrued Liability	\$1,173,483	\$7,321,638	\$50,036,527	\$2,876,227	\$1,245,082	\$2,250,083	\$49,276,060
3. Actuarial value of assets	<u>1,490,147</u>	<u>5,969,704</u>	<u>42,031,989</u>	<u>2,486,588</u>	<u>1,196,654</u>	<u>1,976,247</u>	<u>38,206,763</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$316,664)	\$1,351,934	\$8,004,538	\$389,639	\$48,428	\$273,836	\$11,069,297
5. Funded Ratio: (3) / (2)	127.0%	81.5%	84.0%	86.5%	96.1%	87.8%	77.5%
6. Annual Payroll	\$207,825	\$1,654,414	\$9,017,935	\$1,213,432	\$1,299,688	\$3,268,554	\$8,188,879
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	4.69%	10.23%	7.79%	9.19%	5.18%	1.09%	9.32%
Prior Service	<u>-4.69%</u>	<u>6.22%</u>	<u>5.88%</u>	<u>2.17%</u>	<u>0.26%</u>	<u>0.62%</u>	<u>11.35%</u>
Total Retirement	0.00%	16.45%	13.67%	11.36%	5.44%	1.71%	20.67%
Supplemental Death	<u>0.48%</u>	<u>0.31%</u>	<u>0.31%</u>	<u>0.12%</u>	<u>0.10%</u>	<u>0.07%</u>	<u>0.34%</u>
Total Rate	0.48%	16.76%	13.98%	11.48%	5.54%	1.78%	21.01%
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)	9.50%	N/A	N/A	13.50%	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	18.6 years	23.0 years	22.2 years	21.2 years	19.6 years	16.2 years
Number of annuitants	13	27	172	6	5	5	149
Number of active contributing members	9	37	171	23	31	68	161
Number of inactive members	9	42	166	32	38	50	96
Average age of contributing members	51.5 years	41.4 years	41.0 years	42.4 years	37.9 years	37.2 years	40.7 years
Average length of service of contributing members	2.5 years	6.8 years	7.8 years	6.4 years	5.8 years	6.0 years	8.5 years

	Panhandle	Panorama Village	Pantego	Paris	Parker	Pasadena	Pearland
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,692,354	\$1,010,932	\$3,036,387	\$27,782,041	\$2,221,049	\$255,175,218	\$114,392,524
b. Noncontributing Members	637,602	139,154	4,260,791	7,095,433	531,055	31,987,505	22,359,144
c. Annuitants	<u>1,430,994</u>	<u>1,149,365</u>	<u>10,012,972</u>	<u>32,228,194</u>	<u>1,846,886</u>	<u>223,710,862</u>	<u>53,688,754</u>
2. Total Actuarial Accrued Liability	\$3,760,950	\$2,299,451	\$17,310,150	\$67,105,668	\$4,598,990	\$510,873,585	\$190,440,422
3. Actuarial value of assets	<u>3,272,555</u>	<u>2,316,005</u>	<u>15,389,183</u>	<u>66,063,851</u>	<u>3,510,241</u>	<u>477,701,681</u>	<u>164,869,545</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$488,395	(\$16,554)	\$1,920,967	\$1,041,817	\$1,088,749	\$33,171,904	\$25,570,877
5. Funded Ratio: (3) / (2)	87.0%	100.7%	88.9%	98.4%	76.3%	93.5%	86.6%
6. Annual Payroll	\$857,129	\$791,207	\$2,859,849	\$12,294,944	\$1,699,271	\$74,222,212	\$55,048,599
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	6.83%	5.14%	11.28%	3.92%	8.40%	9.52%	9.86%
Prior Service	<u>4.05%</u>	<u>-0.08%</u>	<u>4.42%</u>	<u>2.53%</u>	<u>5.25%</u>	<u>4.17%</u>	<u>3.08%</u>
Total Retirement	10.88%	5.06%	15.70%	6.45%	13.65%	13.69%	12.94%
Supplemental Death	<u>0.00%</u>	<u>0.39%</u>	<u>0.22%</u>	<u>0.37%</u>	<u>0.16%</u>	<u>0.28%</u>	<u>0.11%</u>
Total Rate	10.88%	5.45%	15.92%	6.82%	13.81%	13.97%	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	12.50%	N/A	N/A	13.50%	N/A	15.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	20.9 years	N/A	23.3 years	3.7 years	16.8 years	14.0 years	22.9 years
Number of annuitants	13	15	61	236	13	799	271
Number of active contributing members	15	14	42	234	24	1,020	763
Number of inactive members	14	11	93	157	15	338	339
Average age of contributing members	47.5 years	46.2 years	44.8 years	44.6 years	43.7 years	44.2 years	40.2 years
Average length of service of contributing members	10.2 years	8.3 years	11.4 years	11.9 years	11.7 years	12.7 years	9.1 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Pearsall	Pecos City	Pelican Bay	Penitas	Perryton	Pflugerville	Pharr
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,863,130	\$8,919,210	\$293,606	\$792,975	\$13,736,163	\$34,937,187	\$52,183,643
b. Noncontributing Members	1,641,236	2,027,324	28,051	145,855	1,028,452	12,660,472	8,952,403
c. Annuitants	<u>2,705,856</u>	<u>8,080,846</u>	<u>0</u>	<u>20,971</u>	<u>10,452,303</u>	<u>30,922,079</u>	<u>36,351,453</u>
2. Total Actuarial Accrued Liability	\$7,210,222	\$19,027,380	\$321,657	\$959,801	\$25,216,918	\$78,519,738	\$97,487,499
3. Actuarial value of assets	<u>6,908,529</u>	<u>18,224,849</u>	<u>167,480</u>	<u>780,268</u>	<u>24,376,104</u>	<u>67,061,067</u>	<u>88,916,917</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$301,693	\$802,531	\$154,177	\$179,533	\$840,814	\$11,458,671	\$8,570,582
5. Funded Ratio: (3) / (2)	95.8%	95.8%	52.1%	81.3%	96.7%	85.4%	91.2%
6. Annual Payroll	\$2,843,693	\$8,748,371	\$535,065	\$1,569,540	\$4,011,173	\$21,365,855	\$32,513,849
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	3.15%	5.85%	1.50%	3.14%	7.94%	9.96%	5.09%
Prior Service	<u>0.71%</u>	<u>0.63%</u>	<u>2.69%</u>	<u>0.80%</u>	<u>2.13%</u>	<u>3.56%</u>	<u>2.23%</u>
Total Retirement	3.86%	6.48%	4.19%	3.94%	10.07%	13.52%	7.32%
Supplemental Death	<u>0.18%</u>	<u>0.21%</u>	<u>0.09%</u>	<u>0.07%</u>	<u>0.33%</u>	<u>0.14%</u>	<u>0.18%</u>
Total Rate	4.04%	6.69%	4.28%	4.01%	10.40%	13.66%	7.50%
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)	8.50%	11.50%	N/A	N/A	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	22.4 years	21.7 years	14.0 years	21.1 years	12.6 years	23.0 years	16.0 years
Number of annuitants	26	80	0	2	45	124	246
Number of active contributing members	69	148	17	43	76	336	634
Number of inactive members	68	128	12	36	60	249	208
Average age of contributing members	39.8 years	42.6 years	43.9 years	38.2 years	43.8 years	41.1 years	40.4 years
Average length of service of contributing members	7.5 years	6.2 years	4.5 years	5.2 years	10.5 years	7.8 years	9.3 years

	Pilot Point	Pinehurst	Pineland	Piney Point Village	Pittsburg	Plains	Plainview
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,800,612	\$2,351,668	\$426,040	\$362,733	\$4,170,106	\$1,189,009	\$14,714,510
b. Noncontributing Members	1,376,255	720,476	25,823	94,009	500,024	13,810	5,242,645
c. Annuitants	<u>2,058,439</u>	<u>3,876,636</u>	<u>1,675,327</u>	<u>337,691</u>	<u>4,287,159</u>	<u>884,746</u>	<u>24,799,957</u>
2. Total Actuarial Accrued Liability	\$6,235,306	\$6,948,780	\$2,127,190	\$794,433	\$8,957,289	\$2,087,565	\$44,756,912
3. Actuarial value of assets	<u>5,355,715</u>	<u>5,576,071</u>	<u>2,356,614</u>	<u>773,058</u>	<u>8,592,819</u>	<u>2,169,172</u>	<u>43,229,074</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$879,591	\$1,372,709	(\$229,424)	\$21,375	\$364,470	(\$81,607)	\$1,527,838
5. Funded Ratio: (3) / (2)	85.9%	80.2%	110.8%	97.3%	95.9%	103.9%	96.6%
6. Annual Payroll	\$2,816,249	\$1,231,037	\$398,869	\$523,794	\$1,723,272	\$432,166	\$6,470,639
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	9.13%	10.11%	5.64%	5.81%	9.07%	5.06%	9.57%
Prior Service	<u>2.08%</u>	<u>7.45%</u>	<u>-2.24%</u>	<u>0.53%</u>	<u>1.83%</u>	<u>-0.74%</u>	<u>1.95%</u>
Total Retirement	11.21%	17.56%	3.40%	6.34%	10.90%	4.32%	11.52%
Supplemental Death	<u>0.17%</u>	<u>0.40%</u>	<u>0.39%</u>	<u>0.22%</u>	<u>0.33%</u>	<u>0.22%</u>	<u>0.00%</u>
Total Rate	11.38%	17.96%	3.79%	6.56%	11.23%	4.54%	11.52%
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)	12.50%	N/A	N/A	N/A	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	22.8 years	23.0 years	N/A	9.3 years	15.5 years	N/A	17.0 years
Number of annuitants	26	32	8	7	22	7	118
Number of active contributing members	55	21	11	7	35	9	136
Number of inactive members	62	12	6	7	29	3	61
Average age of contributing members	41.0 years	46.4 years	41.7 years	47.1 years	43.0 years	40.7 years	45.8 years
Average length of service of contributing members	7.3 years	8.5 years	7.4 years	12.3 years	8.8 years	10.1 years	10.0 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Plano	Pleasanton	Point	Ponder	Port Aransas	Port Arthur	Port Isabel
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$589,841,334	\$11,688,260	\$240,563	\$1,082,994	\$11,023,968	\$98,034,067	\$2,356,630
b. Noncontributing Members	69,247,840	2,532,917	311,817	103,141	1,105,560	11,079,007	1,730,909
c. Annuitants	528,039,368	9,181,392	140,763	61,273	6,789,431	111,859,533	1,937,676
2. Total Actuarial Accrued Liability	\$1,187,128,542	\$23,402,569	\$693,143	\$1,247,408	\$18,918,959	\$220,972,607	\$6,025,215
3. Actuarial value of assets	1,096,305,916	18,084,306	643,236	1,180,643	16,028,083	193,256,429	6,273,415
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$90,822,626	\$5,318,263	\$49,907	\$66,765	\$2,890,876	\$27,716,178	(\$248,200)
5. Funded Ratio: (3) / (2)	92.3%	77.3%	92.8%	94.6%	84.7%	87.5%	104.1%
6. Annual Payroll	\$181,205,883	\$6,171,693	\$296,094	\$866,779	\$6,708,019	\$41,529,378	\$2,296,698
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	11.55%	9.03%	11.20%	5.13%	8.07%	7.26%	4.25%
Prior Service	4.80%	5.98%	2.33%	0.69%	2.85%	6.39%	-0.42%
Total Retirement	16.35%	15.01%	13.53%	5.82%	10.92%	13.65%	3.83%
Supplemental Death	0.00%	0.15%	0.00%	0.43%	0.21%	0.31%	0.28%
Total Rate	16.35%	15.16%	13.53%	6.25%	11.13%	13.96%	4.11%
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	N/A	N/A	N/A	12.50%	N/A	9.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	13.5 years	21.4 years	8.6 years	14.8 years	23.1 years	13.6 years	N/A
Number of annuitants	1,442	53	3	4	65	510	33
Number of active contributing members	2,371	111	8	16	122	577	53
Number of inactive members	1,134	79	21	7	54	164	92
Average age of contributing members	43.8 years	40.7 years	38.5 years	56.7 years	45.4 years	47.7 years	41.8 years
Average length of service of contributing members	12.6 years	7.5 years	4.1 years	9.2 years	7.6 years	12.4 years	7.6 years

	Port Lavaca	Port Neches	Portland	Post	Poteet	Poth	Pottsboro
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,347,130	\$24,418,571	\$16,230,049	\$1,327,111	\$660,956	\$624,907	\$1,275,841
b. Noncontributing Members	2,120,283	1,482,397	2,268,930	240,759	182,476	47,557	325,435
c. Annuitants	5,911,394	27,731,596	13,084,811	1,025,135	677,409	170,740	279,836
2. Total Actuarial Accrued Liability	\$12,378,807	\$53,632,564	\$31,583,790	\$2,593,005	\$1,520,841	\$843,204	\$1,881,112
3. Actuarial value of assets	11,676,917	48,400,704	26,351,049	1,982,400	1,783,804	722,431	1,815,120
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$701,890	\$5,231,860	\$5,232,741	\$610,605	(\$262,963)	\$120,773	\$65,992
5. Funded Ratio: (3) / (2)	94.3%	90.2%	83.4%	76.5%	117.3%	85.7%	96.5%
6. Annual Payroll	\$4,053,996	\$7,691,399	\$8,679,871	\$891,564	\$1,130,421	\$436,807	\$1,043,056
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	4.58%	9.25%	8.13%	6.42%	3.77%	2.24%	6.14%
Prior Service	1.15%	5.35%	4.64%	6.44%	-0.91%	2.35%	0.44%
Total Retirement	5.73%	14.60%	12.77%	12.86%	2.86%	4.59%	6.58%
Supplemental Death	0.38%	0.00%	0.22%	0.73%	0.20%	0.50%	0.24%
Total Rate	6.11%	14.60%	12.99%	13.59%	3.06%	5.09%	6.82%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	N/A	N/A	N/A	9.50%	9.50%	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	23.0 years	17.7 years	18.3 years	13.9 years	N/A	15.9 years	21.5 years
Number of annuitants	69	89	81	15	13	4	13
Number of active contributing members	89	96	149	23	26	10	20
Number of inactive members	132	23	98	11	45	14	15
Average age of contributing members	39.8 years	42.3 years	42.6 years	47.7 years	42.1 years	52.1 years	46.1 years
Average length of service of contributing members	6.2 years	14.6 years	9.7 years	6.4 years	6.5 years	10.9 years	11.2 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Prairie View	Premont	Presidio	Primera	Princeton	Prosper	Providence Village
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$308,764	\$49,832	\$947,940	\$294,839	\$7,255,830	\$24,197,112	\$318,354
b. Noncontributing Members	53,573	215,988	663,599	187,241	1,048,865	5,769,534	13,552
c. Annuitants	109,690	379,366	257,055	148,971	1,810,035	2,333,181	34,047
2. Total Actuarial Accrued Liability	\$472,027	\$645,186	\$1,868,594	\$631,051	\$10,114,730	\$32,299,827	\$365,953
3. Actuarial value of assets	340,318	1,047,878	2,097,013	774,639	9,004,736	27,795,529	297,831
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$131,709	(\$402,692)	(\$228,419)	(\$143,588)	\$1,109,994	\$4,504,298	\$68,122
5. Funded Ratio: (3) / (2)	72.1%	162.4%	112.2%	122.8%	89.0%	86.1%	81.4%
6. Annual Payroll	\$1,199,789	\$509,997	\$1,676,681	\$708,690	\$6,047,507	\$18,762,421	\$552,612
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	1.76%	1.63%	1.25%	1.64%	10.61%	12.63%	4.79%
Prior Service	0.82%	-1.63%	-0.53%	-0.79%	1.24%	1.62%	2.10%
Total Retirement	2.58%	0.00%	0.72%	0.85%	11.85%	14.25%	6.89%
Supplemental Death	0.12%	0.41%	0.19%	0.12%	0.12%	0.00%	0.10%
Total Rate	2.70%	0.41%	0.91%	0.97%	11.97%	14.25%	6.99%
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	7.50%	N/A	7.50%	13.50%	15.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	19.1 years	N/A	N/A	N/A	22.2 years	22.3 years	6.7 years
Number of annuitants	1	12	7	4	18	25	1
Number of active contributing members	26	16	40	21	104	256	8
Number of inactive members	19	28	31	30	34	110	2
Average age of contributing members	45.4 years	42.2 years	45.3 years	44.8 years	42.3 years	40.8 years	44.8 years
Average length of service of contributing members	3.1 years	1.7 years	7.9 years	6.4 years	7.3 years	8.6 years	6.8 years

	Quanah	Queen City	Quinlan	Quintana	Quitque	Quitman	Ralls
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$728,075	\$360,058	\$784,540	\$142,913	\$265,755	\$3,408,299	\$251,840
b. Noncontributing Members	93,170	301,353	105,760	37,078	0	356,449	132,651
c. Annuitants	2,212,214	179,144	56,423	0	32,142	1,023,526	1,195,010
2. Total Actuarial Accrued Liability	\$3,033,459	\$840,555	\$946,723	\$179,991	\$297,897	\$4,788,274	\$1,579,501
3. Actuarial value of assets	3,294,784	967,439	1,035,613	158,595	281,388	4,994,922	1,646,851
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$261,325)	(\$126,884)	(\$88,890)	\$21,396	\$16,509	(\$206,648)	(\$67,350)
5. Funded Ratio: (3) / (2)	108.6%	115.1%	109.4%	88.1%	94.5%	104.3%	104.3%
6. Annual Payroll	\$548,151	\$555,891	\$831,625	\$297,075	\$139,740	\$1,132,403	\$301,918
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.31%	2.60%	10.25%	7.53%	1.25%	6.36%	5.16%
Prior Service	-1.86%	-0.89%	-0.42%	1.17%	2.77%	-0.71%	-0.87%
Total Retirement	3.45%	1.71%	9.83%	8.70%	4.02%	5.65%	4.29%
Supplemental Death	0.38%	0.17%	0.12%	0.14%	0.35%	0.38%	0.80%
Total Rate	3.83%	1.88%	9.95%	8.84%	4.37%	6.03%	5.09%
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%	12.50%	N/A	N/A	11.50%	9.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	N/A	N/A	7.1 years	4.7 years	N/A	N/A
Number of annuitants	16	5	4	0	1	10	12
Number of active contributing members	15	11	17	10	4	24	8
Number of inactive members	9	19	17	8	0	13	11
Average age of contributing members	41.5 years	51.1 years	41.3 years	52.2 years	47.3 years	45.2 years	50.1 years
Average length of service of contributing members	7.5 years	7.2 years	9.0 years	2.1 years	15.5 years	12.6 years	6.5 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Rancho Viejo	Ranger	Rankin	Ransom Canyon	Raymondville	Red Oak	Redwater
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$995,207	\$1,755,277	\$265,685	\$1,892,054	\$3,564,088	\$7,066,491	\$196,215
b. Noncontributing Members	124,330	465,911	235,873	184,039	675,145	2,152,115	130,897
c. Annuitants	1,579,544	271,640	284,040	315,023	4,229,659	3,329,600	30,161
2. Total Actuarial Accrued Liability	\$2,699,081	\$2,492,828	\$785,598	\$2,391,116	\$8,468,892	\$12,548,206	\$357,273
3. Actuarial value of assets	2,726,926	2,703,096	760,184	1,819,885	10,029,871	11,311,063	350,509
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$27,845)	(\$210,268)	\$25,414	\$571,231	(\$1,560,979)	\$1,237,143	\$6,764
5. Funded Ratio: (3) / (2)	101.0%	108.4%	96.8%	76.1%	118.4%	90.1%	98.1%
6. Annual Payroll	\$584,765	\$863,145	\$226,377	\$622,979	\$2,431,278	\$7,783,340	\$310,933
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.89%	8.94%	2.99%	5.33%	4.28%	5.48%	2.42%
Prior Service	-0.19%	-0.95%	4.68%	8.96%	-2.50%	1.09%	0.31%
Total Retirement	5.70%	7.99%	7.67%	14.29%	1.78%	6.57%	2.73%
Supplemental Death	0.11%	0.00%	0.14%	0.21%	0.37%	0.12%	0.11%
Total Rate	5.81%	7.99%	7.81%	14.50%	2.15%	6.69%	2.84%
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%	N/A	N/A	15.50%	13.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	N/A	2.6 years	13.2 years	N/A	21.8 years	8.4 years
Number of annuitants	3	5	2	3	49	38	1
Number of active contributing members	12	20	4	11	69	108	9
Number of inactive members	6	54	6	6	29	85	8
Average age of contributing members	41.0 years	41.8 years	39.5 years	46.5 years	40.8 years	39.2 years	46.8 years
Average length of service of contributing members	13.2 years	7.7 years	8.0 years	15.4 years	7.6 years	8.7 years	4.8 years

	Refugio	Reklaw	Reno (Lamar County)	Reno (Parker County)	Rhome	Rice	Richardson
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,143,364	\$547,093	\$861,477	\$383,427	\$411,938	\$165,372	\$250,459,363
b. Noncontributing Members	132,556	868,111	248,499	91,245	369,670	80,775	45,175,624
c. Annuitants	711,224	250,254	195,386	70,715	504,393	57,518	290,733,165
2. Total Actuarial Accrued Liability	\$1,987,144	\$1,665,458	\$1,305,362	\$545,387	\$1,286,001	\$303,665	\$586,368,152
3. Actuarial value of assets	2,854,871	1,523,445	1,395,211	604,834	1,395,595	333,115	540,803,854
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$867,727)	\$142,013	(\$89,849)	(\$59,447)	(\$109,594)	(\$29,450)	\$45,564,298
5. Funded Ratio: (3) / (2)	143.7%	91.5%	106.9%	110.9%	108.5%	109.7%	92.2%
6. Annual Payroll	\$1,300,849	\$234,340	\$717,488	\$778,755	\$925,395	\$440,309	\$78,960,617
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	1.10%	8.20%	5.59%	3.95%	7.17%	1.63%	8.00%
Prior Service	-1.10%	7.36%	-0.49%	-0.30%	-0.46%	-0.26%	6.07%
Total Retirement	0.00%	15.56%	5.10%	3.65%	6.71%	1.37%	14.07%
Supplemental Death	0.00%	0.52%	0.09%	0.13%	0.16%	0.15%	0.00%
Total Rate	0.00%	16.08%	5.19%	3.78%	6.87%	1.52%	14.07%
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)	7.50%	N/A	11.50%	N/A	13.50%	7.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	10.1 years	N/A	N/A	N/A	N/A	12.0 years
Number of annuitants	15	3	2	8	12	3	810
Number of active contributing members	30	5	15	17	18	13	976
Number of inactive members	13	4	9	19	19	17	490
Average age of contributing members	45.6 years	52.3 years	42.4 years	39.4 years	43.2 years	44.5 years	43.7 years
Average length of service of contributing members	9.5 years	10.0 years	9.5 years	7.6 years	9.0 years	6.2 years	13.6 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Richland Hills	Richland Springs	Richmond	Richwood	Riesel	Rio Grande City	Rio Vista
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$5,716,845	\$1,399	\$25,980,308	\$1,371,678	\$419,206	\$6,912,362	\$51,015
b. Noncontributing Members	7,282,382	0	4,716,739	482,706	119,258	2,387,993	372,438
c. Annuitants	<u>21,497,032</u>	<u>93,817</u>	<u>20,727,994</u>	<u>2,774,490</u>	<u>55,811</u>	<u>2,954,694</u>	<u>169,146</u>
2. Total Actuarial Accrued Liability	\$34,496,259	\$95,216	\$51,425,041	\$4,628,874	\$594,275	\$12,255,049	\$592,599
3. Actuarial value of assets	<u>31,783,355</u>	<u>209,306</u>	<u>46,464,917</u>	<u>4,019,365</u>	<u>453,029</u>	<u>11,447,511</u>	<u>555,514</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,712,904	(\$114,090)	\$4,960,124	\$609,509	\$141,246	\$807,538	\$37,085
5. Funded Ratio: (3) / (2)	92.1%	219.8%	90.4%	86.8%	76.2%	93.4%	93.7%
6. Annual Payroll	\$4,833,256	\$24,000	\$9,907,226	\$1,373,733	\$364,845	\$5,755,104	\$338,849
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	11.79%	3.10%	10.64%	8.01%	1.03%	6.00%	2.52%
Prior Service	<u>4.22%</u>	<u>-3.10%</u>	<u>4.07%</u>	<u>3.24%</u>	<u>4.83%</u>	<u>0.92%</u>	<u>1.21%</u>
Total Retirement	16.01%	0.00%	14.71%	11.25%	5.86%	6.92%	3.73%
Supplemental Death	<u>0.32%</u>	<u>0.68%</u>	<u>0.19%</u>	<u>0.20%</u>	<u>0.18%</u>	<u>0.12%</u>	<u>0.14%</u>
Total Rate	16.33%	0.68%	14.90%	11.45%	6.04%	7.04%	3.87%
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
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	19.0 years	N/A	16.9 years	19.7 years	9.7 years	23.2 years	12.0 years
Number of annuitants	115	2	85	19	2	28	3
Number of active contributing members	73	1	157	23	8	152	9
Number of inactive members	124	0	120	25	7	114	16
Average age of contributing members	40.2 years	29.7 years	43.0 years	45.6 years	40.8 years	41.4 years	42.2 years
Average length of service of contributing members	8.7 years	0.5 years	12.4 years	9.4 years	10.7 years	7.2 years	1.7 years

	Rising Star	River Oaks	Roanoke	Robert Lee	Robinson	Robstown	Robstown Utility Systems
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$38,389	\$6,645,632	\$31,638,518	\$15,786	\$9,471,935	\$6,430,214	\$9,267,398
b. Noncontributing Members	24,817	1,573,259	6,722,085	18,504	1,510,038	2,081,993	991,310
c. Annuitants	<u>91,426</u>	<u>7,302,847</u>	<u>9,665,864</u>	<u>143,269</u>	<u>4,434,790</u>	<u>8,935,947</u>	<u>7,574,495</u>
2. Total Actuarial Accrued Liability	\$154,632	\$15,521,738	\$48,026,467	\$177,559	\$15,416,763	\$17,448,154	\$17,833,203
3. Actuarial value of assets	<u>265,189</u>	<u>14,167,447</u>	<u>39,918,581</u>	<u>132,534</u>	<u>12,549,913</u>	<u>17,133,250</u>	<u>14,604,627</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$110,557)	\$1,354,291	\$8,107,886	\$45,025	\$2,866,850	\$314,904	\$3,228,576
5. Funded Ratio: (3) / (2)	171.5%	91.3%	83.1%	74.6%	81.4%	98.2%	81.9%
6. Annual Payroll	\$216,495	\$3,231,150	\$11,560,456	\$161,207	\$3,802,248	\$5,245,684	\$2,608,787
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	1.99%	10.52%	12.52%	0.73%	8.66%	4.32%	7.09%
Prior Service	<u>-1.99%</u>	<u>3.42%</u>	<u>4.66%</u>	<u>3.40%</u>	<u>4.99%</u>	<u>4.07%</u>	<u>10.87%</u>
Total Retirement	0.00%	13.94%	17.18%	4.13%	13.65%	4.79%	17.96%
Supplemental Death	<u>0.51%</u>	<u>0.39%</u>	<u>0.00%</u>	<u>0.41%</u>	<u>0.21%</u>	<u>0.19%</u>	<u>0.36%</u>
Total Rate	0.51%	14.33%	17.18%	4.54%	13.86%	4.98%	18.32%
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	N/A	N/A	9.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	17.2 years	22.9 years	10.3 years	23.0 years	17.7 years	15.8 years
Number of annuitants	3	52	39	3	24	63	41
Number of active contributing members	7	67	125	5	66	91	46
Number of inactive members	15	56	67	8	39	72	41
Average age of contributing members	47.3 years	44.7 years	43.6 years	25.7 years	44.0 years	39.7 years	44.6 years
Average length of service of contributing members	1.8 years	10.3 years	13.4 years	1.6 years	11.9 years	8.8 years	13.4 years



**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Roby	Rockdale	Rockport	Rocksprings	Rockwall	Rogers	Rollingwood
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$164,111	\$2,816,009	\$15,887,522	\$108,328	\$60,330,869	\$234,771	\$960,940
b. Noncontributing Members	2,820	1,075,341	3,529,527	16,214	11,119,222	144,200	781,928
c. Annuitants	553,701	2,376,680	17,302,176	289,663	36,739,608	620,594	1,352,178
2. Total Actuarial Accrued Liability	\$720,632	\$6,268,030	\$36,719,225	\$414,205	\$108,189,699	\$999,565	\$3,095,046
3. Actuarial value of assets	735,517	5,848,048	31,337,129	478,617	97,541,708	855,534	2,795,840
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$14,885)	\$419,982	\$5,382,096	(\$64,412)	\$10,647,991	\$144,031	\$299,206
5. Funded Ratio: (3) / (2)	102.1%	93.3%	85.3%	115.6%	90.2%	85.6%	90.3%
6. Annual Payroll	\$81,965	\$2,102,738	\$6,919,034	\$355,301	\$22,626,952	\$351,302	\$1,221,955
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	6.39%	6.50%	11.13%	2.23%	11.95%	5.42%	9.71%
Prior Service	-0.71%	1.32%	5.58%	-0.71%	3.11%	4.29%	2.00%
Total Retirement	5.68%	7.82%	16.71%	1.52%	15.06%	9.71%	11.71%
Supplemental Death	1.61%	0.37%	0.27%	0.00%	0.14%	0.00%	0.25%
Total Rate	7.29%	8.19%	16.98%	1.52%	15.20%	9.71%	11.96%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	11.50%	N/A	N/A	N/A	N/A	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	23.2 years	20.3 years	N/A	23.0 years	12.9 years	16.8 years
Number of annuitants	5	28	80	2	119	8	12
Number of active contributing members	2	45	116	10	289	8	18
Number of inactive members	1	41	72	14	119	8	22
Average age of contributing members	47.2 years	43.6 years	45.9 years	41.1 years	43.8 years	45.1 years	42.4 years
Average length of service of contributing members	13.4 years	8.2 years	10.8 years	3.7 years	13.6 years	4.9 years	8.6 years

	Roma	Roscoe	Rosebud	Rosenberg	Rotan	Round Rock	Rowlett
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$8,803,061	\$309,075	\$126,898	\$40,646,016	\$152,047	\$203,469,596	\$70,587,459
b. Noncontributing Members	1,019,928	58,041	62,557	11,785,378	356,032	24,651,723	22,536,584
c. Annuitants	5,276,193	267,134	152,034	36,584,338	25,017	110,112,723	59,328,955
2. Total Actuarial Accrued Liability	\$15,099,182	\$634,250	\$341,489	\$89,015,732	\$533,096	\$338,234,042	\$152,452,998
3. Actuarial value of assets	14,021,571	650,346	350,144	73,205,242	728,153	289,345,110	137,193,030
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,077,611	(\$16,096)	(\$8,655)	\$15,810,490	(\$195,057)	\$48,888,932	\$15,259,968
5. Funded Ratio: (3) / (2)	92.9%	102.5%	102.5%	82.2%	136.6%	85.5%	90.0%
6. Annual Payroll	\$4,101,834	\$377,385	\$439,385	\$18,750,813	\$287,434	\$72,875,975	\$29,583,138
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	6.88%	2.00%	1.91%	9.80%	1.71%	11.01%	9.48%
Prior Service	2.66%	-0.17%	-0.08%	6.07%	-1.71%	4.93%	3.63%
Total Retirement	9.54%	1.83%	1.83%	15.87%	0.00%	15.94%	13.11%
Supplemental Death	0.38%	0.30%	0.43%	0.12%	0.62%	0.14%	0.00%
Total Rate	9.92%	2.13%	2.26%	15.99%	0.62%	16.08%	13.11%
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)	11.50%	N/A	N/A	N/A	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	12.6 years	N/A	N/A	20.2 years	N/A	19.6 years	20.9 years
Number of annuitants	57	4	9	180	2	397	265
Number of active contributing members	129	8	13	279	5	974	411
Number of inactive members	117	2	13	180	7	437	300
Average age of contributing members	45.4 years	56.1 years	44.4 years	38.5 years	50.4 years	42.3 years	41.5 years
Average length of service of contributing members	9.8 years	8.0 years	5.4 years	9.2 years	8.6 years	11.0 years	10.5 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Royse City	Rule	Runaway Bay	Runge	Rusk	Sabinal	Sachse
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$8,877,403	\$13,057	\$249,281	\$658,184	\$3,153,941	\$386,977	\$19,425,349
b. Noncontributing Members	1,792,547	87,154	179,005	77,451	568,168	99,843	7,487,955
c. Annuitants	2,496,739	136,015	308,396	80,024	1,189,425	567,165	12,962,996
2. Total Actuarial Accrued Liability	\$13,166,689	\$236,226	\$736,682	\$815,659	\$4,911,534	\$1,053,985	\$39,876,300
3. Actuarial value of assets	10,602,998	293,756	924,543	702,327	5,140,934	1,189,930	34,425,020
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,563,691	(\$57,530)	(\$187,861)	\$113,332	(\$229,400)	(\$135,945)	\$5,451,280
5. Funded Ratio: (3) / (2)	80.5%	124.4%	125.5%	86.1%	104.7%	112.9%	86.3%
6. Annual Payroll	\$5,141,998	\$87,134	\$708,302	\$199,870	\$1,825,941	\$467,349	\$10,755,053
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	12.38%	2.77%	3.29%	4.59%	6.88%	3.24%	11.04%
Prior Service	3.41%	-2.57%	-1.03%	7.50%	-0.49%	-1.13%	3.39%
Total Retirement	15.79%	0.20%	2.26%	12.09%	6.39%	2.11%	14.43%
Supplemental Death	0.14%	0.18%	0.27%	0.55%	0.23%	0.49%	0.14%
Total Rate	15.93%	0.38%	2.53%	12.64%	6.62%	2.60%	14.57%
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	11.50%	9.50%	N/A	10.50%	9.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	21.8 years	N/A	N/A	9.1 years	N/A	N/A	22.7 years
Number of annuitants	27	1	10	2	18	7	89
Number of active contributing members	80	3	14	6	35	13	153
Number of inactive members	54	5	33	4	24	28	145
Average age of contributing members	42.6 years	31.3 years	45.4 years	52.1 years	48.8 years	45.8 years	41.2 years
Average length of service of contributing members	8.8 years	1.4 years	4.2 years	10.8 years	13.7 years	6.3 years	9.8 years

	Saginaw	Saint Jo	Salado	San Angelo	San Antonio	San Antonio Water System	San Augustine
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$27,035,459	\$59,209	\$193,947	\$100,068,067	\$857,306,868	\$111,960,997	\$3,088,482
b. Noncontributing Members	3,844,044	87,678	409,871	15,837,449	157,304,506	18,816,511	826,171
c. Annuitants	19,134,527	386,753	161,354	142,934,406	874,265,111	111,315,474	2,070,851
2. Total Actuarial Accrued Liability	\$50,014,030	\$533,640	\$765,172	\$258,839,922	\$1,888,876,485	\$242,092,982	\$5,985,504
3. Actuarial value of assets	37,788,584	644,631	886,462	218,084,357	1,665,459,322	218,304,404	5,721,262
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$12,225,446	(\$110,991)	(\$121,290)	\$40,755,565	\$223,417,163	\$23,788,578	\$264,242
5. Funded Ratio: (3) / (2)	75.6%	120.8%	115.9%	84.3%	88.2%	90.2%	95.6%
6. Annual Payroll	\$9,572,129	\$282,743	\$548,012	\$38,276,628	\$413,576,500	\$122,456,730	\$1,220,406
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	11.63%	6.57%	6.90%	8.20%	7.03%	2.10%	7.51%
Prior Service	9.49%	-1.53%	-0.86%	8.81%	5.14%	1.54%	1.56%
Total Retirement	21.12%	5.04%	6.04%	17.01%	12.17%	3.64%	9.07%
Supplemental Death	0.18%	0.80%	0.30%	0.00%	0.00%	0.00%	0.43%
Total Rate	21.30%	5.84%	6.34%	17.01%	12.17%	3.64%	9.50%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	5.30%	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	10.50%	N/A	N/A	N/A	5.50%	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	19.3 years	N/A	N/A	16.7 years	13.7 years	17.5 years	21.6 years
Number of annuitants	70	6	6	648	5,183	1,326	22
Number of active contributing members	147	7	8	729	6,860	1,767	28
Number of inactive members	89	17	21	337	3,337	754	19
Average age of contributing members	41.8 years	41.8 years	51.1 years	43.2 years	45.4 years	44.6 years	47.6 years
Average length of service of contributing members	12.0 years	3.5 years	13.0 years	9.8 years	11.1 years	13.1 years	8.4 years

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	San Benito	San Felipe	San Juan	San Marcos	San Saba	Sanger	Sansom Park
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$6,296,928	\$174,604	\$7,832,425	\$131,186,899	\$3,731,736	\$7,428,655	\$954,876
b. Noncontributing Members	2,036,287	19,975	3,183,709	19,608,999	461,217	1,092,819	1,126,774
c. Annuitants	6,006,804	160,980	4,520,697	105,622,965	2,876,094	3,957,935	566,811
2. Total Actuarial Accrued Liability	\$14,340,019	\$355,559	\$15,536,831	\$256,418,863	\$7,069,047	\$12,479,409	\$2,648,461
3. Actuarial value of assets	13,455,776	327,410	15,575,616	212,519,221	6,468,968	11,074,269	3,018,394
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$884,243	\$28,149	(\$38,785)	\$43,899,642	\$600,079	\$1,405,140	(\$369,933)
5. Funded Ratio: (3) / (2)	93.8%	92.1%	100.2%	82.9%	91.5%	88.7%	114.0%
6. Annual Payroll	\$6,461,649	\$209,103	\$10,545,224	\$49,420,956	\$1,986,779	\$4,365,954	\$1,713,357
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	3.68%	1.75%	4.31%	11.01%	6.26%	6.35%	7.50%
Prior Service	1.04%	2.03%	-0.01%	7.24%	2.00%	2.15%	-0.84%
Total Retirement	4.72%	3.78%	4.30%	18.25%	8.26%	8.50%	6.66%
Supplemental Death	0.36%	0.21%	0.18%	0.16%	0.33%	0.14%	0.14%
Total Rate	5.08%	3.99%	4.48%	18.41%	8.59%	8.64%	6.80%
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)	11.50%	N/A	12.50%	N/A	10.50%	12.50%	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	18.8 years	7.9 years	N/A	16.9 years	23.1 years	22.8 years	N/A
Number of annuitants	107	4	77	358	25	25	18
Number of active contributing members	164	4	245	690	46	70	35
Number of inactive members	145	4	151	316	16	28	91
Average age of contributing members	43.9 years	47.3 years	41.6 years	42.4 years	47.0 years	43.4 years	40.2 years
Average length of service of contributing members	8.4 years	9.9 years	7.4 years	10.1 years	9.0 years	12.3 years	6.3 years

	Santa Fe	Savoy	Schertz	Schulenburg	Seabrook	Seadrift	Seagoville
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$7,516,676	\$84,267	\$48,647,579	\$5,270,918	\$19,286,237	\$748,161	\$13,097,610
b. Noncontributing Members	2,692,272	152,252	9,552,366	753,853	1,606,026	126,907	2,317,429
c. Annuitants	6,737,947	58,590	26,573,417	9,057,312	20,245,544	48,559	6,884,276
2. Total Actuarial Accrued Liability	\$16,946,895	\$295,109	\$84,773,362	\$15,082,083	\$41,137,807	\$923,627	\$22,299,315
3. Actuarial value of assets	12,783,125	379,914	67,681,457	13,180,606	36,366,379	854,169	19,816,631
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$4,163,770	(\$84,805)	\$17,091,905	\$1,901,477	\$4,771,428	\$69,458	\$2,482,684
5. Funded Ratio: (3) / (2)	75.4%	128.7%	79.8%	87.4%	88.4%	92.5%	88.9%
6. Annual Payroll	\$3,445,287	\$126,106	\$21,430,342	\$1,987,561	\$7,961,070	\$717,364	\$6,021,763
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	8.89%	5.10%	10.94%	9.44%	10.12%	1.28%	8.16%
Prior Service	8.93%	-2.62%	5.28%	9.18%	5.50%	1.40%	3.07%
Total Retirement	17.82%	2.48%	16.22%	18.62%	15.62%	2.68%	11.23%
Supplemental Death	0.00%	0.47%	0.14%	0.24%	0.17%	0.17%	0.21%
Total Rate	17.82%	2.95%	16.36%	18.86%	15.79%	2.85%	11.44%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	1.83%	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	10.50%	N/A	N/A	N/A	N/A	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	19.4 years	N/A	23.0 years	13.5 years	14.4 years	8.2 years	19.2 years
Number of annuitants	32	3	126	31	82	3	60
Number of active contributing members	61	3	354	41	107	16	104
Number of inactive members	74	10	223	20	45	2	70
Average age of contributing members	43.0 years	51.1 years	41.9 years	45.8 years	42.8 years	44.6 years	43.2 years
Average length of service of contributing members	8.7 years	16.0 years	9.6 years	9.6 years	11.5 years	10.0 years	11.3 years

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	Seagraves	Sealy	Seguin	Selma	Seminole	Seven Points	Seymour
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$388,640	\$9,566,407	\$56,920,576	\$11,658,445	\$7,890,248	\$391,816	\$1,462,458
b. Noncontributing Members	96,969	3,885,566	10,380,615	2,838,973	2,752,975	132,773	495,789
c. Annuitants	<u>1,595,663</u>	<u>5,721,614</u>	<u>61,013,821</u>	<u>9,382,905</u>	<u>7,946,691</u>	<u>399,194</u>	<u>2,897,601</u>
2. Total Actuarial Accrued Liability	\$2,081,272	\$19,173,587	\$128,315,012	\$23,880,323	\$18,589,914	\$923,783	\$4,855,848
3. Actuarial value of assets	<u>1,949,246</u>	<u>16,876,720</u>	<u>94,097,099</u>	<u>20,670,673</u>	<u>17,270,346</u>	<u>1,791,070</u>	<u>4,461,678</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$132,026	\$2,296,867	\$34,217,913	\$3,209,650	\$1,319,568	(\$867,287)	\$394,170
5. Funded Ratio: (3) / (2)	93.7%	88.0%	73.3%	86.6%	92.9%	193.9%	91.9%
6. Annual Payroll	\$801,167	\$4,282,352	\$24,423,201	\$5,695,677	\$3,167,442	\$571,216	\$1,062,239
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	7.40%	9.19%	9.98%	11.51%	8.67%	9.61%	3.51%
Prior Service	<u>1.11%</u>	<u>3.55%</u>	<u>11.81%</u>	<u>3.70%</u>	<u>3.12%</u>	<u>-5.91%</u>	<u>3.94%</u>
Total Retirement	8.51%	12.74%	21.79%	15.21%	11.79%	3.70%	7.45%
Supplemental Death	<u>0.77%</u>	<u>0.20%</u>	<u>0.25%</u>	<u>0.10%</u>	<u>0.29%</u>	<u>0.35%</u>	<u>0.67%</u>
Total Rate	9.28%	12.94%	22.04%	15.31%	12.08%	4.05%	8.12%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	2.46%	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	13.50%	8.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	22.3 years	23.0 years	16.1 years	23.3 years	19.1 years	N/A	11.9 years
Number of annuitants	18	31	265	31	33	6	28
Number of active contributing members	18	70	415	86	58	17	27
Number of inactive members	32	43	228	54	51	27	30
Average age of contributing members	45.9 years	41.3 years	42.3 years	40.2 years	42.9 years	44.9 years	44.9 years
Average length of service of contributing members	6.6 years	8.6 years	9.2 years	10.7 years	7.5 years	4.7 years	9.1 years

	Shady Shores	Shallowater	Shamrock	Shavano Park	Shenandoah	Shepherd	Sherman
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$122,208	\$787,467	\$348,981	\$5,575,895	\$7,236,807	\$184,833	\$67,396,004
b. Noncontributing Members	0	632,943	451,231	2,635,770	4,468,099	125,064	10,618,439
c. Annuitants	<u>0</u>	<u>328,696</u>	<u>1,530,705</u>	<u>2,589,556</u>	<u>5,224,129</u>	<u>309,686</u>	<u>82,466,107</u>
2. Total Actuarial Accrued Liability	\$122,208	\$1,749,106	\$2,330,917	\$10,801,221	\$16,929,035	\$619,583	\$160,480,550
3. Actuarial value of assets	<u>110,445</u>	<u>1,744,722</u>	<u>1,957,557</u>	<u>9,537,130</u>	<u>13,071,553</u>	<u>793,970</u>	<u>142,738,980</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$11,763	\$4,384	\$373,360	\$1,264,091	\$3,857,482	(\$174,387)	\$17,741,570
5. Funded Ratio: (3) / (2)	90.4%	99.7%	84.0%	88.3%	77.2%	128.1%	88.9%
6. Annual Payroll	\$122,468	\$671,286	\$530,689	\$3,235,092	\$3,967,530	\$330,285	\$28,602,132
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	7.86%	4.71%	3.20%	11.34%	11.28%	4.81%	9.08%
Prior Service	<u>2.65%</u>	<u>0.05%</u>	<u>6.02%</u>	<u>2.64%</u>	<u>7.01%</u>	<u>-2.06%</u>	<u>4.86%</u>
Total Retirement	10.51%	4.76%	9.22%	13.98%	18.29%	2.75%	13.94%
Supplemental Death	<u>0.06%</u>	<u>0.18%</u>	<u>1.56%</u>	<u>0.18%</u>	<u>0.15%</u>	<u>0.23%</u>	<u>0.24%</u>
Total Rate	10.57%	4.94%	10.78%	14.16%	18.44%	2.98%	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)	N/A	10.50%	N/A	N/A	N/A	11.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	4.0 years	20.0 years	15.9 years	22.3 years	23.2 years	N/A	17.9 years
Number of annuitants	0	7	18	38	26	4	353
Number of active contributing members	2	15	13	49	53	9	459
Number of inactive members	0	14	8	73	40	10	186
Average age of contributing members	48.7 years	43.9 years	52.1 years	42.6 years	43.1 years	48.3 years	42.3 years
Average length of service of contributing members	12.5 years	6.9 years	6.3 years	10.4 years	10.4 years	3.3 years	10.2 years

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	Shiner	Shoreacres	Silsbee	Silverton	Simonton	Sinton	Skellytown
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,652,428	\$275,025	\$8,031,934	\$18,539	\$31,649	\$5,170,202	\$54,950
b. Noncontributing Members	552,489	929,356	1,182,595	118,878	0	1,450,060	97,982
c. Annuitants	<u>2,081,489</u>	<u>719,053</u>	<u>10,869,898</u>	<u>673,955</u>	<u>0</u>	<u>3,568,344</u>	<u>80,654</u>
2. Total Actuarial Accrued Liability	\$5,286,406	\$1,923,434	\$20,084,427	\$811,372	\$31,649	\$10,188,606	\$233,586
3. Actuarial value of assets	<u>4,283,278</u>	<u>2,202,410</u>	<u>16,404,099</u>	<u>849,602</u>	<u>23,617</u>	<u>8,976,846</u>	<u>297,992</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,003,128	(\$278,976)	\$3,680,328	(\$38,230)	\$8,032	\$1,211,760	(\$64,406)
5. Funded Ratio: (3) / (2)	81.0%	114.5%	81.7%	104.7%	74.6%	88.1%	127.6%
6. Annual Payroll	\$1,557,669	\$523,241	\$3,429,481	\$145,335	\$140,181	\$1,852,200	\$138,314
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.44%	6.24%	10.16%	5.52%	1.65%	8.15%	3.72%
Prior Service	<u>5.38%</u>	<u>-2.08%</u>	<u>7.91%</u>	<u>-1.02%</u>	<u>1.14%</u>	<u>4.31%</u>	<u>-1.81%</u>
Total Retirement	10.82%	4.16%	18.07%	4.50%	2.79%	12.46%	1.91%
Supplemental Death	<u>0.48%</u>	<u>0.31%</u>	<u>0.00%</u>	<u>0.47%</u>	<u>0.03%</u>	<u>0.29%</u>	<u>0.06%</u>
Total Rate	11.30%	4.47%	18.07%	4.97%	2.82%	12.75%	1.97%
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	9.50%	N/A	N/A	N/A	N/A	9.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	16.3 years	N/A	19.5 years	N/A	5.7 years	23.2 years	N/A
Number of annuitants	17	7	57	3	0	27	1
Number of active contributing members	33	7	66	3	2	43	4
Number of inactive members	18	20	28	7	0	53	8
Average age of contributing members	49.0 years	56.7 years	46.7 years	39.4 years	44.5 years	43.3 years	41.1 years
Average length of service of contributing members	11.6 years	8.0 years	10.7 years	1.8 years	3.5 years	10.6 years	3.2 years

	Slaton	Smithville	Smyer	Snyder	Somerset	Somerville	Sonora
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,818,861	\$3,739,912	\$354,828	\$13,869,621	\$124,454	\$457,434	\$1,311,198
b. Noncontributing Members	559,793	1,421,342	0	3,511,769	154,932	319,122	343,246
c. Annuitants	<u>4,294,502</u>	<u>2,227,588</u>	<u>0</u>	<u>17,579,308</u>	<u>80,411</u>	<u>565,174</u>	<u>3,121,251</u>
2. Total Actuarial Accrued Liability	\$8,673,156	\$7,388,842	\$354,828	\$34,960,698	\$359,797	\$1,341,730	\$4,775,695
3. Actuarial value of assets	<u>8,471,402</u>	<u>6,758,617</u>	<u>350,826</u>	<u>32,088,749</u>	<u>409,558</u>	<u>1,463,401</u>	<u>4,556,924</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$201,754	\$630,225	\$4,002	\$2,871,949	(\$49,761)	(\$121,671)	\$218,771
5. Funded Ratio: (3) / (2)	97.7%	91.5%	98.9%	91.8%	113.8%	109.1%	95.4%
6. Annual Payroll	\$2,061,276	\$2,771,747	\$86,684	\$5,355,495	\$496,759	\$615,485	\$1,275,777
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	6.21%	5.01%	5.34%	9.48%	2.77%	5.41%	6.59%
Prior Service	<u>0.71%</u>	<u>1.79%</u>	<u>1.86%</u>	<u>3.97%</u>	<u>-0.39%</u>	<u>-0.77%</u>	<u>1.12%</u>
Total Retirement	6.92%	6.80%	7.20%	13.45%	2.38%	4.64%	7.71%
Supplemental Death	<u>0.36%</u>	<u>0.35%</u>	<u>0.15%</u>	<u>0.33%</u>	<u>1.73%</u>	<u>0.42%</u>	<u>0.45%</u>
Total Rate	7.28%	7.15%	7.35%	13.78%	4.11%	5.06%	8.16%
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)	12.50%	9.50%	13.50%	N/A	9.50%	9.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	21.5 years	17.7 years	2.6 years	19.4 years	N/A	N/A	23.6 years
Number of annuitants	34	32	0	64	4	17	31
Number of active contributing members	46	64	2	83	13	16	31
Number of inactive members	24	72	0	56	25	20	26
Average age of contributing members	42.7 years	47.5 years	59.0 years	42.4 years	42.3 years	45.5 years	44.4 years
Average length of service of contributing members	10.3 years	8.8 years	24.3 years	9.4 years	2.6 years	6.7 years	8.2 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Sour Lake	South Houston	South Padre Island	Southlake	Southmayd	Southside Place	Spearman
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$732,989	\$17,127,997	\$19,289,995	\$69,728,099	\$96,286	\$3,479,944	\$2,197,998
b. Noncontributing Members	157,510	1,977,078	6,061,491	20,605,671	22,643	593,462	840,141
c. Annuitants	403,637	9,466,146	15,911,973	29,921,787	65,620	2,076,848	3,514,226
2. Total Actuarial Accrued Liability	\$1,294,136	\$28,571,221	\$41,263,459	\$120,255,557	\$184,549	\$6,150,254	\$6,552,365
3. Actuarial value of assets	1,423,786	27,488,638	39,616,401	108,362,356	150,709	5,532,454	6,292,954
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$129,650)	\$1,082,583	\$1,647,058	\$11,893,201	\$33,840	\$617,800	\$259,411
5. Funded Ratio: (3) / (2)	110.0%	96.2%	96.0%	90.1%	81.7%	90.0%	96.0%
6. Annual Payroll	\$684,351	\$6,103,095	\$8,803,362	\$26,513,730	\$346,650	\$1,605,801	\$1,168,950
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	6.18%	6.38%	11.02%	9.37%	1.62%	8.48%	9.29%
Prior Service	-0.74%	2.49%	1.23%	2.96%	1.80%	2.53%	1.45%
Total Retirement	5.44%	8.87%	12.25%	12.33%	3.42%	11.01%	10.74%
Supplemental Death	0.23%	0.36%	0.20%	0.14%	0.10%	0.34%	0.33%
Total Rate	5.67%	9.23%	12.45%	12.47%	3.52%	11.35%	11.07%
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)	13.50%	N/A	13.50%	13.50%	N/A	N/A	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	8.5 years	23.2 years	23.2 years	6.2 years	23.3 years	23.4 years
Number of annuitants	6	65	79	141	1	16	23
Number of active contributing members	14	119	159	352	9	21	26
Number of inactive members	29	76	113	256	7	15	34
Average age of contributing members	46.1 years	47.5 years	44.1 years	41.7 years	41.1 years	46.7 years	45.9 years
Average length of service of contributing members	11.2 years	12.8 years	9.2 years	11.4 years	7.5 years	11.9 years	7.5 years

	Splendora	Spring Valley Village	Springtown	Spur	Stafford	Stamford	Stanton
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$632,775	\$4,031,558	\$1,613,850	\$227,240	\$23,219,342	\$1,031,161	\$2,446,963
b. Noncontributing Members	105,652	1,593,173	1,637,620	172,561	4,003,997	392,659	253,311
c. Annuitants	252,029	6,930,929	2,222,374	531,853	21,453,032	2,237,254	1,284,031
2. Total Actuarial Accrued Liability	\$990,456	\$12,555,660	\$5,473,844	\$931,654	\$48,676,371	\$3,661,074	\$3,984,305
3. Actuarial value of assets	477,149	12,161,027	6,031,814	895,874	44,939,195	3,852,315	3,789,349
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$513,307	\$394,633	(\$557,970)	\$35,780	\$3,737,176	(\$191,241)	\$194,956
5. Funded Ratio: (3) / (2)	48.2%	96.9%	110.2%	96.2%	92.3%	105.2%	95.1%
6. Annual Payroll	\$1,492,462	\$3,477,864	\$2,024,369	\$300,728	\$11,473,501	\$1,014,870	\$1,304,562
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	2.62%	5.58%	10.79%	2.49%	11.31%	5.52%	4.58%
Prior Service	2.34%	0.75%	-1.07%	2.31%	2.31%	-0.73%	1.04%
Total Retirement	4.96%	6.33%	9.72%	4.80%	13.62%	4.79%	5.62%
Supplemental Death	0.13%	0.17%	0.20%	0.28%	0.22%	0.68%	0.20%
Total Rate	5.09%	6.50%	9.92%	5.08%	13.84%	5.47%	5.82%
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)	N/A	N/A	13.50%	N/A	N/A	9.50%	9.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	22.1 years	23.1 years	N/A	5.8 years	20.6 years	N/A	21.2 years
Number of annuitants	1	36	27	5	91	25	8
Number of active contributing members	29	39	47	8	187	22	20
Number of inactive members	11	25	67	14	84	23	10
Average age of contributing members	44.4 years	41.2 years	39.7 years	47.3 years	43.4 years	46.7 years	46.5 years
Average length of service of contributing members	4.4 years	11.8 years	6.6 years	6.7 years	9.2 years	8.6 years	11.7 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Star Harbor	Stephenville	Sterling City	Stinnett	Stockdale	Stratford	Sudan
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$294,456	\$18,045,450	\$374,269	\$834,368	\$303,059	\$962,952	\$559,076
b. Noncontributing Members	6,167	5,182,630	39,596	467,663	3,497	135,885	2,829
c. Annuitants	634,326	20,371,754	211,137	756,107	35,751	499,634	260,246
2. Total Actuarial Accrued Liability	\$934,949	\$43,599,834	\$625,002	\$2,058,138	\$342,307	\$1,598,471	\$822,151
3. Actuarial value of assets	863,767	45,256,368	641,752	2,520,294	300,015	1,413,942	864,736
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$71,182	(\$1,656,534)	(\$16,750)	(\$462,156)	\$42,292	\$184,529	(\$42,585)
5. Funded Ratio: (3) / (2)	92.4%	103.8%	102.7%	122.5%	87.6%	88.5%	105.2%
6. Annual Payroll	\$171,615	\$9,422,034	\$291,596	\$886,331	\$399,054	\$679,806	\$414,441
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	7.67%	7.51%	1.35%	2.26%	2.86%	7.37%	1.57%
Prior Service	5.20%	-0.68%	-0.22%	-2.03%	1.76%	2.20%	-0.40%
Total Retirement	12.87%	6.83%	1.13%	0.23%	4.62%	9.57%	1.17%
Supplemental Death	1.03%	0.26%	0.00%	0.22%	0.35%	0.31%	0.00%
Total Rate	13.90%	7.09%	1.13%	0.45%	4.97%	9.88%	1.17%
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	7.50%	9.50%	N/A	N/A	7.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	10.1 years	N/A	N/A	N/A	7.0 years	17.0 years	N/A
Number of annuitants	8	110	4	9	1	10	3
Number of active contributing members	4	158	6	19	8	12	9
Number of inactive members	4	132	5	15	2	22	1
Average age of contributing members	51.8 years	41.2 years	50.9 years	39.6 years	59.6 years	41.5 years	48.7 years
Average length of service of contributing members	9.5 years	9.8 years	18.7 years	6.3 years	14.4 years	8.8 years	13.0 years

	Sugar Land	Sulphur Springs	Sundown	Sunnyvale	Sunray	Sunrise Beach Village	Sunset Valley
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$178,336,478	\$20,981,514	\$1,497,263	\$2,526,825	\$1,354,871	\$261,729	\$2,675,880
b. Noncontributing Members	26,342,836	2,715,962	935,497	2,013,519	357,471	71,707	1,676,103
c. Annuitants	89,643,623	20,485,227	1,146,676	2,939,322	1,266,137	118,505	3,362,643
2. Total Actuarial Accrued Liability	\$294,322,937	\$44,182,703	\$3,579,436	\$7,479,666	\$2,978,479	\$451,941	\$7,714,626
3. Actuarial value of assets	265,297,602	42,104,474	3,282,254	6,722,225	2,648,781	447,958	7,302,027
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$29,025,335	\$2,078,229	\$297,182	\$757,441	\$329,698	\$3,983	\$412,599
5. Funded Ratio: (3) / (2)	90.1%	95.3%	91.7%	89.9%	88.9%	99.1%	94.7%
6. Annual Payroll	\$59,429,228	\$8,909,526	\$560,594	\$3,619,756	\$621,594	\$558,227	\$1,902,744
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	10.80%	4.69%	8.08%	10.20%	9.90%	1.40%	10.09%
Prior Service	3.55%	2.85%	4.15%	1.38%	4.49%	0.06%	1.45%
Total Retirement	14.35%	7.54%	12.23%	11.58%	14.39%	1.46%	11.54%
Supplemental Death	0.13%	0.30%	0.41%	0.19%	0.32%	0.21%	0.13%
Total Rate	14.48%	7.84%	12.64%	11.77%	14.71%	1.67%	11.67%
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	N/A	N/A	7.50%	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	19.9 years	10.0 years	18.0 years	23.1 years	16.0 years	15.0 years	22.7 years
Number of annuitants	284	128	15	20	8	3	12
Number of active contributing members	790	148	11	72	13	10	23
Number of inactive members	330	85	14	46	11	8	30
Average age of contributing members	42.5 years	44.1 years	51.5 years	41.6 years	45.2 years	43.9 years	43.1 years
Average length of service of contributing members	11.8 years	12.2 years	10.8 years	8.0 years	6.9 years	7.1 years	9.3 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Surfside Beach	Sweeny	Sweetwater	TMRS	Taft	Tahoka	Talty
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$421,315	\$1,540,331	\$16,719,022	\$36,846,748	\$1,011,802	\$1,103,074	\$117,564
b. Noncontributing Members	122,716	701,018	1,682,811	3,182,304	489,692	200,163	14,336
c. Annuitants	201,472	3,534,978	17,520,447	17,834,465	2,194,304	1,085,299	40,591
2. Total Actuarial Accrued Liability	\$745,503	\$5,776,327	\$35,922,280	\$57,863,517	\$3,695,798	\$2,388,536	\$172,491
3. Actuarial value of assets	888,422	4,853,514	31,067,395	50,452,415	3,100,432	3,134,823	96,411
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$142,919)	\$922,813	\$4,854,885	\$7,411,102	\$595,366	(\$746,287)	\$76,080
5. Funded Ratio: (3) / (2)	119.2%	84.0%	86.5%	87.2%	83.9%	131.2%	55.9%
6. Annual Payroll	\$1,034,567	\$1,116,090	\$6,018,557	\$13,711,997	\$1,138,325	\$779,474	\$194,289
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	2.09%	9.17%	9.15%	11.23%	11.58%	4.28%	5.78%
Prior Service	-0.54%	6.07%	7.03%	3.96%	3.61%	-3.73%	5.66%
Total Retirement	1.55%	15.24%	16.18%	15.19%	15.19%	0.55%	11.44%
Supplemental Death	0.18%	0.50%	0.30%	0.17%	0.41%	0.41%	0.44%
Total Rate	1.73%	15.74%	16.48%	15.36%	15.60%	0.96%	11.88%
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)	9.50%	N/A	N/A	N/A	N/A	11.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	19.6 years	15.4 years	19.7 years	22.1 years	N/A	8.2 years
Number of annuitants	5	20	87	41	17	12	1
Number of active contributing members	27	23	99	120	30	21	6
Number of inactive members	21	23	39	35	61	16	2
Average age of contributing members	44.7 years	41.2 years	46.0 years	47.3 years	44.6 years	47.1 years	56.7 years
Average length of service of contributing members	4.1 years	7.0 years	11.9 years	11.6 years	5.4 years	7.1 years	7.6 years

	Tatum	Taylor	Teague	Temple	Tenaha	Terrell	Terrell Hills
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$209,969	\$16,822,951	\$808,456	\$96,024,507	\$42,879	\$32,118,991	\$6,716,626
b. Noncontributing Members	108,575	4,594,181	857,013	17,805,540	30,792	4,283,221	2,942,723
c. Annuitants	123,355	14,238,413	1,550,169	111,193,327	226,460	29,924,561	6,858,102
2. Total Actuarial Accrued Liability	\$441,899	\$35,655,545	\$3,215,638	\$225,023,374	\$300,131	\$66,326,773	\$16,517,451
3. Actuarial value of assets	424,844	30,669,461	3,418,611	193,970,131	378,837	57,834,530	14,017,736
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$17,055	\$4,986,084	(\$202,973)	\$31,053,243	(\$78,706)	\$8,492,243	\$2,499,715
5. Funded Ratio: (3) / (2)	96.1%	86.0%	106.3%	86.2%	126.2%	87.2%	84.9%
6. Annual Payroll	\$383,274	\$9,140,518	\$972,964	\$38,252,963	\$259,060	\$11,788,362	\$2,958,677
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	1.34%	9.09%	8.74%	10.75%	1.07%	10.90%	9.85%
Prior Service	0.41%	3.60%	-0.81%	5.98%	-1.07%	5.35%	5.65%
Total Retirement	1.75%	12.69%	7.93%	16.73%	0.00%	16.25%	15.50%
Supplemental Death	0.20%	0.23%	0.33%	0.26%	0.52%	0.27%	0.20%
Total Rate	1.95%	12.92%	8.26%	16.99%	0.52%	16.52%	15.70%
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)	7.50%	N/A	13.50%	N/A	7.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	14.0 years	23.2 years	N/A	19.5 years	N/A	19.3 years	22.6 years
Number of annuitants	5	108	23	452	6	139	34
Number of active contributing members	10	153	22	707	7	185	50
Number of inactive members	17	124	36	467	4	66	58
Average age of contributing members	42.4 years	42.7 years	40.2 years	43.5 years	33.0 years	43.3 years	38.4 years
Average length of service of contributing members	5.4 years	9.2 years	4.7 years	9.7 years	2.3 years	11.1 years	8.4 years



**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Tex Municipal League IEBP	Tex Municipal League IRP	Texarkana	Texarkana Police Dept	Texarkana Water Utilities	Texas City	Texas Municipal League
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$20,536,499	\$112,310,577	\$22,539,320	\$16,764,199	\$21,265,768	\$70,002,431	\$11,071,924
b. Noncontributing Members	7,283,117	11,487,038	5,361,565	3,297,134	2,822,148	8,191,257	2,900,057
c. Annuitants	12,227,629	53,845,825	32,627,305	30,546,769	21,988,369	88,213,405	10,408,530
2. Total Actuarial Accrued Liability	\$40,047,245	\$177,643,440	\$60,528,190	\$50,608,102	\$46,076,285	\$166,407,093	\$24,380,511
3. Actuarial value of assets	36,860,000	176,031,321	53,712,798	46,365,942	40,473,691	146,131,486	21,973,165
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$3,187,245	\$1,612,119	\$6,815,392	\$4,242,160	\$5,602,594	\$20,275,607	\$2,407,346
5. Funded Ratio: (3) / (2)	92.0%	99.1%	88.7%	91.6%	87.8%	87.8%	90.1%
6. Annual Payroll	\$10,927,426	\$27,391,388	\$9,081,520	\$6,098,944	\$7,734,620	\$25,195,109	\$3,504,733
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.73%	10.01%	9.20%	10.15%	9.74%	10.08%	7.70%
Prior Service	2.78%	0.43%	5.74%	4.60%	6.29%	6.71%	5.63%
Total Retirement	8.51%	10.44%	14.94%	14.75%	16.03%	16.79%	13.33%
Supplemental Death	0.15%	0.18%	0.00%	0.00%	0.00%	0.00%	0.24%
Total Rate	8.66%	10.62%	14.94%	14.75%	16.03%	16.79%	13.57%
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)	12.50%	N/A	N/A	N/A	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	13.6 years	19.9 years	19.6 years	23.0 years	15.6 years	16.3 years	16.8 years
Number of annuitants	41	102	196	89	119	323	27
Number of active contributing members	124	244	203	89	158	422	33
Number of inactive members	93	44	96	27	54	200	18
Average age of contributing members	47.8 years	49.1 years	46.6 years	36.0 years	45.0 years	43.4 years	48.1 years
Average length of service of contributing members	9.8 years	15.1 years	9.6 years	11.0 years	10.3 years	10.8 years	13.7 years

	The Colony	Thompsons	Thorndale	Thrall	Three Rivers	Throckmorton	Tiki Island
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$62,204,297	\$241,572	\$502,693	\$125,667	\$6,617,199	\$94,791	\$537,797
b. Noncontributing Members	8,194,542	0	57,970	83,165	337,233	3,513	204,223
c. Annuitants	43,632,530	24,894	438,695	0	3,250,984	592,816	98,679
2. Total Actuarial Accrued Liability	\$114,031,369	\$266,466	\$999,358	\$208,832	\$10,205,416	\$691,120	\$840,699
3. Actuarial value of assets	99,966,957	250,734	957,972	187,617	6,905,812	703,532	789,434
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$14,064,412	\$15,732	\$41,386	\$21,215	\$3,299,604	(\$12,412)	\$51,265
5. Funded Ratio: (3) / (2)	87.7%	94.1%	95.9%	89.8%	67.7%	101.8%	93.9%
6. Annual Payroll	\$27,835,798	\$132,950	\$400,605	\$259,720	\$1,970,074	\$164,004	\$540,496
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	9.89%	1.86%	6.20%	3.95%	10.11%	5.88%	2.37%
Prior Service	3.58%	2.26%	1.12%	2.03%	13.15%	-0.29%	1.15%
Total Retirement	13.47%	4.12%	7.32%	5.98%	23.26%	5.59%	3.52%
Supplemental Death	0.16%	0.18%	0.34%	0.29%	0.52%	0.45%	0.23%
Total Rate	13.63%	4.30%	7.66%	6.27%	23.78%	6.04%	3.75%
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	9.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	20.7 years	5.9 years	12.3 years	4.4 years	17.8 years	N/A	10.1 years
Number of annuitants	210	1	9	0	21	9	1
Number of active contributing members	375	3	10	7	38	5	8
Number of inactive members	202	0	5	8	20	2	8
Average age of contributing members	42.0 years	59.7 years	51.7 years	48.8 years	48.5 years	39.9 years	56.7 years
Average length of service of contributing members	10.9 years	15.8 years	7.0 years	7.2 years	11.4 years	4.7 years	9.7 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Timpson	Tioga	Tolar	Tom Bean	Tomball	Trent	Trenton
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$331,044	\$465,072	\$102,723	\$190,952	\$24,479,331	\$275,596	\$195,310
b. Noncontributing Members	81,515	41,782	137,534	87,234	6,559,491	0	41,167
c. Annuitants	563,137	0	394,319	35,848	20,019,648	12,286	166,310
2. Total Actuarial Accrued Liability	\$975,696	\$506,854	\$634,576	\$314,034	\$51,058,470	\$287,882	\$402,787
3. Actuarial value of assets	1,077,785	539,186	650,961	375,923	43,876,240	287,732	440,223
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$102,089)	(\$52,332)	(\$16,385)	(\$61,889)	\$7,182,230	\$150	(\$37,436)
5. Funded Ratio: (3) / (2)	110.5%	106.4%	102.6%	119.7%	85.9%	99.9%	109.3%
6. Annual Payroll	\$368,134	\$444,128	\$234,124	\$283,713	\$12,607,548	\$94,639	\$239,730
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	2.72%	2.17%	7.33%	3.59%	9.22%	4.78%	4.79%
Prior Service	-1.08%	-0.28%	-0.27%	-0.85%	3.76%	0.16%	-0.61%
Total Retirement	1.64%	1.89%	7.06%	2.74%	12.98%	4.94%	4.18%
Supplemental Death	0.36%	0.13%	0.20%	0.17%	0.22%	0.67%	0.35%
Total Rate	2.00%	2.02%	7.26%	2.91%	13.20%	5.61%	4.53%
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)	7.50%	9.50%	N/A	10.50%	N/A	11.50%	9.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	N/A	N/A	N/A	23.1 years	1.0 years	N/A
Number of annuitants	4	0	4	3	98	1	4
Number of active contributing members	7	11	5	6	186	2	6
Number of inactive members	8	8	8	16	91	0	10
Average age of contributing members	44.3 years	47.6 years	44.7 years	40.9 years	40.2 years	65.7 years	45.5 years
Average length of service of contributing members	8.2 years	8.2 years	6.4 years	8.9 years	8.1 years	24.0 years	9.3 years

	Trinidad	Trinity	Trophy Club	Troup	Troy	Tulia	Turkey
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$328,471	\$789,091	\$7,825,837	\$945,309	\$1,105,245	\$3,412,873	\$41,406
b. Noncontributing Members	42,750	218,993	7,971,136	124,578	92,400	873,022	1,312
c. Annuitants	128,328	635,345	7,354,679	582,726	203,166	5,787,229	236,591
2. Total Actuarial Accrued Liability	\$499,549	\$1,643,429	\$23,151,652	\$1,652,613	\$1,400,811	\$10,073,124	\$279,309
3. Actuarial value of assets	511,533	1,658,977	21,410,969	1,556,353	1,350,950	9,949,192	221,341
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$11,984)	(\$15,548)	\$1,740,683	\$96,260	\$49,861	\$123,932	\$57,968
5. Funded Ratio: (3) / (2)	102.4%	100.9%	92.5%	94.2%	96.4%	98.8%	79.2%
6. Annual Payroll	\$298,193	\$722,344	\$5,831,312	\$925,448	\$763,916	\$1,611,143	\$144,838
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	1.68%	6.31%	10.63%	4.58%	9.63%	7.81%	2.11%
Prior Service	-0.16%	-0.08%	1.95%	0.68%	0.56%	0.51%	3.15%
Total Retirement	1.52%	6.23%	12.58%	5.26%	10.19%	8.32%	5.26%
Supplemental Death	0.39%	0.44%	0.17%	0.39%	0.44%	0.29%	0.81%
Total Rate	1.91%	6.67%	12.75%	5.65%	10.63%	8.61%	6.07%
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)	7.50%	11.50%	N/A	9.50%	13.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	N/A	23.5 years	23.3 years	15.7 years	23.0 years	17.8 years
Number of annuitants	5	10	47	14	8	30	6
Number of active contributing members	7	21	78	22	12	38	4
Number of inactive members	8	30	108	18	6	27	2
Average age of contributing members	48.4 years	43.7 years	45.2 years	44.2 years	53.0 years	42.1 years	51.5 years
Average length of service of contributing members	10.6 years	5.9 years	13.3 years	9.5 years	16.5 years	8.3 years	10.2 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Tuscola	Tye	Tyler	Universal City	University Park	Uvalde	Valley Mills
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$38,417	\$381,273	\$115,130,740	\$26,947,847	\$49,019,489	\$9,453,964	\$61,642
b. Noncontributing Members	0	172,954	13,632,982	3,225,829	4,807,737	2,493,092	35,758
c. Annuitants	0	603,628	142,565,896	15,438,584	52,428,065	7,562,339	0
2. Total Actuarial Accrued Liability	\$38,417	\$1,157,855	\$271,329,618	\$45,612,260	\$106,255,291	\$19,509,395	\$97,400
3. Actuarial value of assets	4,521	1,003,815	220,704,752	35,170,259	103,406,022	18,326,006	114,117
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$33,896	\$154,040	\$50,624,866	\$10,442,001	\$2,849,269	\$1,183,389	(\$16,717)
5. Funded Ratio: (3) / (2)	11.8%	86.7%	81.3%	77.1%	97.3%	93.9%	117.2%
6. Annual Payroll	\$123,400	\$709,576	\$40,029,933	\$8,633,767	\$18,184,443	\$7,414,186	\$327,442
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	2.01%	3.86%	9.44%	9.97%	5.87%	4.37%	2.23%
Prior Service	3.66%	1.65%	11.20%	8.67%	2.78%	1.11%	-0.20%
Total Retirement	5.67%	5.51%	20.64%	18.64%	8.65%	5.48%	2.03%
Supplemental Death	0.12%	0.20%	0.31%	0.17%	0.00%	0.23%	0.11%
Total Rate	5.79%	5.71%	20.95%	18.81%	8.65%	5.71%	2.14%
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	9.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	9.0 years	18.7 years	15.1 years	20.3 years	6.5 years	21.3 years	N/A
Number of annuitants	0	10	600	74	178	80	0
Number of active contributing members	4	16	701	129	217	167	8
Number of inactive members	0	10	316	104	44	112	15
Average age of contributing members	53.3 years	38.8 years	43.5 years	43.0 years	46.2 years	40.4 years	49.7 years
Average length of service of contributing members	4.5 years	5.1 years	9.6 years	11.1 years	16.2 years	8.1 years	3.4 years

	Valley View	Van	Van Alstyne	Van Horn	Vega	Venus	Vernon
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$57,264	\$1,477,195	\$2,524,891	\$2,533,328	\$682,839	\$722,375	\$7,993,012
b. Noncontributing Members	10,428	171,747	1,795,913	210,745	68,614	345,708	3,783,248
c. Annuitants	10,559	1,152,056	1,654,679	2,271,213	1,126,884	1,269,315	11,473,512
2. Total Actuarial Accrued Liability	\$78,251	\$2,800,998	\$5,975,483	\$5,015,286	\$1,878,337	\$2,337,398	\$23,249,772
3. Actuarial value of assets	85,958	2,942,425	5,328,593	4,532,483	1,689,120	2,335,114	21,190,777
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$7,707)	(\$141,427)	\$646,890	\$482,803	\$189,217	\$2,284	\$2,058,995
5. Funded Ratio: (3) / (2)	109.8%	105.0%	89.2%	90.4%	89.9%	99.9%	91.1%
6. Annual Payroll	\$220,473	\$1,036,595	\$2,455,137	\$1,293,010	\$260,112	\$1,405,364	\$4,010,116
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	1.89%	7.20%	8.39%	4.78%	10.39%	10.68%	7.41%
Prior Service	-0.14%	-0.53%	1.75%	3.22%	9.91%	0.01%	4.17%
Total Retirement	1.75%	6.67%	10.14%	8.00%	20.30%	10.69%	11.58%
Supplemental Death	0.13%	0.30%	0.21%	0.27%	0.40%	0.00%	0.47%
Total Rate	1.88%	6.97%	10.35%	8.27%	20.70%	10.69%	12.05%
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	12.50%	12.50%	9.50%	N/A	13.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	N/A	22.8 years	17.2 years	8.8 years	23.0 years	17.6 years
Number of annuitants	1	12	22	16	4	16	72
Number of active contributing members	5	25	47	22	4	26	88
Number of inactive members	9	17	69	13	3	17	119
Average age of contributing members	46.3 years	44.7 years	40.8 years	48.2 years	48.6 years	40.3 years	41.6 years
Average length of service of contributing members	6.6 years	11.0 years	6.3 years	12.2 years	8.7 years	7.6 years	8.9 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Victoria	Vidor	Village Fire Department	Village of the Hills	Waco	Waelder	Wake Village
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$73,828,152	\$8,272,826	\$7,677,494	\$59,513	\$257,957,581	\$513,699	\$1,600,995
b. Noncontributing Members	23,936,707	2,498,960	2,394,964	0	28,282,395	254,135	402,960
c. Annuitants	114,545,560	11,387,595	10,527,881	0	264,645,534	456,316	3,007,653
2. Total Actuarial Accrued Liability	\$212,310,419	\$22,159,381	\$20,600,339	\$59,513	\$550,885,510	\$1,224,150	\$5,011,608
3. Actuarial value of assets	177,388,920	20,029,826	20,098,525	51,207	488,122,092	1,181,378	4,232,362
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$34,921,499	\$2,129,555	\$501,814	\$8,306	\$62,763,418	\$42,772	\$779,246
5. Funded Ratio: (3) / (2)	83.6%	90.4%	97.6%	86.0%	88.6%	96.5%	84.5%
6. Annual Payroll	\$33,709,781	\$3,747,426	\$4,156,696	\$109,073	\$92,088,564	\$838,571	\$1,185,664
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	7.69%	9.95%	5.26%	6.65%	7.72%	2.25%	9.64%
Prior Service	8.02%	4.79%	1.29%	1.84%	6.62%	0.40%	4.36%
Total Retirement	15.71%	14.74%	6.55%	8.49%	14.34%	2.65%	14.00%
Supplemental Death	0.30%	0.34%	0.15%	0.05%	0.00%	0.42%	0.45%
Total Rate	16.01%	15.08%	6.70%	8.54%	14.34%	3.07%	14.45%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	7.50%	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	18.1 years	16.1 years	11.9 years	4.6 years	13.4 years	17.5 years	22.9 years
Number of annuitants	507	57	31	0	1,132	7	25
Number of active contributing members	585	66	48	1	1,433	20	25
Number of inactive members	445	48	32	0	682	20	17
Average age of contributing members	40.4 years	47.7 years	39.5 years	47.3 years	44.4 years	40.6 years	41.3 years
Average length of service of contributing members	9.5 years	9.0 years	10.8 years	21.8 years	11.8 years	7.2 years	8.8 years

	Waller	Wallis	Walnut Springs	Waskom	Watauga	Waxahachie	Weatherford
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,403,375	\$292,716	\$107,836	\$789,631	\$27,306,867	\$45,195,930	\$64,231,931
b. Noncontributing Members	349,843	319,858	0	194,639	9,038,039	4,724,581	10,988,310
c. Annuitants	1,846,168	689,133	73,585	1,491,218	22,533,230	34,917,682	61,031,555
2. Total Actuarial Accrued Liability	\$3,599,386	\$1,301,707	\$181,421	\$2,475,488	\$58,878,136	\$84,838,193	\$136,251,796
3. Actuarial value of assets	3,740,951	1,414,076	173,695	2,162,822	52,696,522	70,137,112	123,540,668
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$141,565)	(\$112,369)	\$7,726	\$312,666	\$6,181,614	\$14,701,081	\$12,711,128
5. Funded Ratio: (3) / (2)	103.9%	108.6%	95.7%	87.4%	89.5%	82.7%	90.7%
6. Annual Payroll	\$1,976,144	\$686,792	\$97,089	\$716,063	\$10,215,977	\$20,101,973	\$24,254,567
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	4.39%	2.97%	1.55%	3.01%	10.26%	10.12%	9.67%
Prior Service	-0.28%	-0.64%	2.42%	3.61%	4.56%	5.48%	3.85%
Total Retirement	4.11%	2.33%	3.97%	6.62%	14.82%	15.60%	13.52%
Supplemental Death	0.36%	0.22%	0.24%	0.30%	0.19%	0.18%	0.22%
Total Rate	4.47%	2.55%	4.21%	6.92%	15.01%	15.78%	13.74%
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%	8.50%	N/A	7.50%	N/A	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	N/A	3.6 years	17.2 years	20.5 years	19.0 years	19.6 years
Number of annuitants	20	7	2	12	118	144	245
Number of active contributing members	40	16	2	14	150	312	361
Number of inactive members	24	20	0	12	163	55	197
Average age of contributing members	49.2 years	46.6 years	51.8 years	44.5 years	42.4 years	41.4 years	41.2 years
Average length of service of contributing members	7.2 years	4.3 years	11.2 years	9.4 years	11.9 years	9.9 years	10.7 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Webster	Weimar	Wellington	Wells	Weslaco	West	West Columbia
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$36,238,069	\$4,311,631	\$1,678,444	\$42,209	\$20,442,687	\$1,224,612	\$2,537,787
b. Noncontributing Members	10,286,655	491,388	8,604	39,432	4,434,845	145,143	371,151
c. Annuitants	27,198,438	4,107,574	1,695,257	197,131	22,289,653	1,285,596	2,117,499
2. Total Actuarial Accrued Liability	\$73,723,162	\$8,910,593	\$3,382,305	\$278,772	\$47,167,185	\$2,655,351	\$5,026,437
3. Actuarial value of assets	63,948,587	8,280,771	3,605,361	326,139	43,489,701	2,645,652	5,576,561
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$9,774,575	\$629,822	(\$223,056)	(\$47,367)	\$3,677,484	\$9,699	(\$550,124)
5. Funded Ratio: (3) / (2)	86.7%	92.9%	106.6%	117.0%	92.2%	99.6%	110.9%
6. Annual Payroll	\$12,457,670	\$1,421,879	\$549,817	\$219,866	\$11,727,188	\$950,234	\$1,746,570
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	12.32%	8.92%	4.87%	3.99%	4.97%	5.17%	5.19%
Prior Service	5.20%	4.81%	-1.58%	-0.84%	2.89%	0.59%	-1.23%
Total Retirement	17.52%	13.73%	3.29%	3.15%	7.86%	5.76%	3.96%
Supplemental Death	0.24%	0.35%	0.47%	0.00%	0.25%	0.27%	0.00%
Total Rate	17.76%	14.08%	3.76%	3.15%	8.11%	6.03%	3.96%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	7.50%	N/A	11.50%	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	23.0 years	11.5 years	N/A	N/A	15.4 years	1.8 years	N/A
Number of annuitants	114	28	12	2	170	12	22
Number of active contributing members	163	29	14	6	245	21	34
Number of inactive members	115	11	4	2	173	11	33
Average age of contributing members	43.5 years	44.9 years	50.1 years	43.1 years	42.1 years	45.1 years	42.5 years
Average length of service of contributing members	12.4 years	13.0 years	13.2 years	2.8 years	9.7 years	9.0 years	9.3 years

	West Lake Hills	West Orange	West Tawakoni	West Univ. Place	Westlake	Westover Hills	Westworth Village
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,768,610	\$5,502,584	\$685,256	\$21,116,743	\$6,630,649	\$921,086	\$3,074,108
b. Noncontributing Members	2,914,758	1,264,001	84,570	9,440,429	1,792,176	448,672	1,635,886
c. Annuitants	5,498,423	4,819,737	693,325	26,172,349	2,301,366	1,030,191	2,186,830
2. Total Actuarial Accrued Liability	\$10,181,791	\$11,586,322	\$1,463,151	\$56,729,521	\$10,724,191	\$2,399,949	\$6,896,824
3. Actuarial value of assets	8,845,208	10,034,423	1,349,532	50,015,357	9,091,788	2,299,142	6,730,594
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,336,583	\$1,551,899	\$113,619	\$6,714,164	\$1,632,403	\$100,807	\$166,230
5. Funded Ratio: (3) / (2)	86.9%	86.6%	92.2%	88.2%	84.8%	95.8%	97.6%
6. Annual Payroll	\$1,983,422	\$1,452,711	\$485,981	\$10,362,326	\$4,412,853	\$1,397,412	\$2,423,003
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	11.25%	9.94%	5.29%	8.68%	9.05%	5.56%	10.03%
Prior Service	4.80%	8.86%	2.33%	4.23%	2.54%	0.48%	0.47%
Total Retirement	16.05%	18.80%	7.62%	12.91%	11.59%	6.04%	10.50%
Supplemental Death	0.44%	0.00%	0.36%	0.22%	0.12%	0.45%	0.23%
Total Rate	16.49%	18.80%	7.98%	13.13%	11.71%	6.49%	10.73%
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%	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	23.0 years	17.5 years	13.3 years	23.5 years	21.7 years	22.7 years	21.7 years
Number of annuitants	34	18	12	116	16	24	23
Number of active contributing members	25	24	10	127	46	24	38
Number of inactive members	33	15	15	118	31	16	60
Average age of contributing members	43.0 years	49.0 years	41.1 years	42.2 years	42.7 years	41.7 years	42.6 years
Average length of service of contributing members	8.2 years	12.7 years	7.1 years	11.7 years	9.7 years	8.6 years	9.2 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Wharton	Wheeler	White Deer	White Oak	White Settlement	Whiteface	Whitehouse
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$9,856,357	\$328,835	\$262,834	\$6,857,663	\$14,809,742	\$447,287	\$3,090,629
b. Noncontributing Members	2,592,043	67,500	166,205	720,217	4,740,779	278,567	1,492,699
c. Annuitants	6,311,319	987,386	297,553	6,436,650	18,505,260	13,276	1,542,024
2. Total Actuarial Accrued Liability	\$18,759,719	\$1,383,721	\$726,592	\$14,014,530	\$38,055,781	\$739,130	\$6,125,352
3. Actuarial value of assets	18,425,318	1,318,583	546,621	13,473,165	30,679,245	856,404	5,707,049
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$334,401	\$65,138	\$179,971	\$541,365	\$7,376,536	(\$117,274)	\$418,303
5. Funded Ratio: (3) / (2)	98.2%	95.3%	75.2%	96.1%	80.6%	115.9%	93.2%
6. Annual Payroll	\$5,939,612	\$284,044	\$286,388	\$2,310,565	\$7,195,535	\$144,090	\$2,099,550
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	4.66%	6.91%	3.86%	11.24%	9.67%	6.01%	6.95%
Prior Service	0.40%	2.32%	5.56%	1.55%	7.40%	-3.17%	1.36%
Total Retirement	5.06%	9.23%	9.42%	12.79%	17.07%	2.84%	8.31%
Supplemental Death	0.24%	0.23%	1.04%	0.31%	0.21%	1.20%	0.23%
Total Rate	5.30%	9.46%	10.46%	13.10%	17.28%	4.04%	8.54%
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)	9.50%	N/A	N/A	N/A	N/A	N/A	11.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	20.6 years	12.6 years	16.5 years	23.3 years	20.1 years	N/A	22.2 years
Number of annuitants	46	3	6	34	104	1	22
Number of active contributing members	103	7	6	43	120	3	45
Number of inactive members	60	3	9	17	151	1	46
Average age of contributing members	44.4 years	42.3 years	57.9 years	45.9 years	40.3 years	55.2 years	40.2 years
Average length of service of contributing members	11.1 years	6.4 years	7.3 years	14.1 years	8.4 years	17.1 years	11.3 years

	Whitesboro	Whitewright	Whitney	Wichita Falls	Willis	Willow Park	Willis Point
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,230,437	\$417,102	\$590,157	\$136,075,878	\$3,819,937	\$1,852,135	\$1,254,056
b. Noncontributing Members	935,118	498,388	305,421	15,086,198	1,085,973	575,279	1,169,808
c. Annuitants	2,777,408	494,150	410,478	152,504,958	2,191,885	520,455	2,714,364
2. Total Actuarial Accrued Liability	\$7,942,963	\$1,409,640	\$1,306,056	\$303,667,034	\$7,097,795	\$2,947,869	\$5,138,228
3. Actuarial value of assets	7,781,222	1,523,509	1,297,659	251,432,653	6,595,849	2,710,129	4,457,081
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$161,741	(\$113,869)	\$8,397	\$52,234,381	\$501,946	\$237,740	\$681,147
5. Funded Ratio: (3) / (2)	98.0%	108.1%	99.4%	82.8%	92.9%	91.9%	86.7%
6. Annual Payroll	\$2,190,554	\$773,829	\$806,769	\$47,934,864	\$2,340,845	\$2,489,490	\$1,204,867
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.16%	3.44%	3.54%	6.89%	8.01%	6.28%	5.76%
Prior Service	0.70%	-0.57%	0.07%	9.53%	1.46%	0.71%	5.06%
Total Retirement	5.86%	2.87%	3.61%	16.42%	9.47%	6.99%	10.82%
Supplemental Death	0.22%	0.26%	0.22%	0.00%	0.22%	0.11%	0.43%
Total Rate	6.08%	3.13%	3.83%	16.42%	9.69%	7.10%	11.25%
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)	9.50%	9.50%	7.50%	N/A	13.50%	N/A	N/A
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	13.7 years	N/A	21.1 years	15.3 years	22.1 years	19.4 years	15.9 years
Number of annuitants	33	10	14	718	22	14	22
Number of active contributing members	48	19	20	932	45	42	28
Number of inactive members	35	38	28	497	34	31	50
Average age of contributing members	47.0 years	39.3 years	47.2 years	45.1 years	42.8 years	40.9 years	39.1 years
Average length of service of contributing members	10.6 years	4.7 years	10.5 years	11.8 years	9.2 years	8.1 years	5.3 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Wilmer	Wimberley	Windcrest	Winfield	Wink	Winsboro	Winona
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,699,448	\$134,283	\$3,571,579	\$61,186	\$588,066	\$2,430,680	\$94,228
b. Noncontributing Members	915,986	359,960	2,387,573	23,352	212,571	828,115	129,327
c. Annuitants	861,393	47,816	5,247,141	0	240,359	2,924,992	288,019
2. Total Actuarial Accrued Liability	\$4,476,827	\$542,059	\$11,206,293	\$84,538	\$1,040,996	\$6,183,787	\$511,574
3. Actuarial value of assets	4,615,666	489,224	10,980,737	91,044	1,079,895	5,579,714	805,994
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$138,839)	\$52,835	\$225,556	(\$6,506)	(\$38,899)	\$604,073	(\$294,420)
5. Funded Ratio: (3) / (2)	103.1%	90.3%	98.0%	107.7%	103.7%	90.2%	157.6%
6. Annual Payroll	\$2,923,750	\$478,183	\$3,987,747	\$79,097	\$611,252	\$1,905,841	\$157,984
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	5.60%	4.07%	6.63%	2.90%	6.27%	6.65%	12.01%
Prior Service	-0.18%	1.59%	0.37%	-0.32%	-0.25%	2.15%	-7.25%
Total Retirement	5.42%	5.66%	7.00%	2.58%	6.02%	8.80%	4.76%
Supplemental Death	0.12%	0.30%	0.20%	0.24%	0.24%	0.25%	0.47%
Total Rate	5.54%	5.96%	7.20%	2.82%	6.26%	9.05%	5.23%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	3.41%
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	10.50%	N/A	N/A	11.50%	13.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	N/A	8.2 years	23.1 years	N/A	N/A	22.1 years	N/A
Number of annuitants	26	5	54	0	3	28	2
Number of active contributing members	55	9	74	2	12	42	4
Number of inactive members	67	15	61	2	5	34	6
Average age of contributing members	41.8 years	38.5 years	43.7 years	59.9 years	43.9 years	44.4 years	55.0 years
Average length of service of contributing members	8.8 years	3.3 years	6.8 years	18.0 years	5.5 years	8.0 years	2.9 years

	Winters	Wofforth	Woodcreek	Woodsboro	Woodville	Woodway	Wortham
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$545,905	\$2,719,130	\$84,136	\$377,030	\$5,067,184	\$16,073,975	\$422,217
b. Noncontributing Members	220,896	88,953	2,008	25,814	456,686	2,542,145	49,435
c. Annuitants	2,691,572	2,315,462	93,160	253,590	3,580,046	13,509,210	325,654
2. Total Actuarial Accrued Liability	\$3,458,373	\$5,123,545	\$179,304	\$656,434	\$9,103,916	\$32,125,330	\$797,306
3. Actuarial value of assets	3,235,508	4,037,373	173,350	908,655	8,044,722	27,153,071	841,298
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$222,865	\$1,086,172	\$5,954	(\$252,221)	\$1,059,194	\$4,972,259	(\$43,992)
5. Funded Ratio: (3) / (2)	93.6%	78.8%	96.7%	138.4%	88.4%	84.5%	105.5%
6. Annual Payroll	\$635,153	\$1,885,391	\$160,613	\$527,443	\$1,568,618	\$5,758,988	\$349,176
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	7.88%	6.96%	9.81%	3.80%	10.07%	9.62%	6.70%
Prior Service	2.77%	3.97%	0.60%	-1.86%	6.49%	8.05%	-0.49%
Total Retirement	10.65%	10.93%	10.41%	1.94%	16.56%	17.67%	6.21%
Supplemental Death	0.73%	0.15%	0.50%	0.18%	0.29%	0.18%	0.09%
Total Rate	11.38%	11.08%	10.91%	2.12%	16.85%	17.85%	6.30%
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)	11.50%	N/A	N/A	7.50%	N/A	N/A	12.50%
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	18.5 years	21.6 years	7.2 years	N/A	13.7 years	14.0 years	N/A
Number of annuitants	19	8	3	3	15	46	5
Number of active contributing members	15	39	3	10	33	84	8
Number of inactive members	11	20	1	6	12	67	6
Average age of contributing members	39.8 years	38.0 years	61.7 years	51.1 years	48.0 years	41.2 years	40.0 years
Average length of service of contributing members	6.3 years	6.6 years	9.0 years	12.5 years	11.6 years	10.6 years	6.4 years

**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF PARTICIPATING CITIES - DECEMBER 31, 2020**

	Wylie	Yoakum	Yorktown	Zavalla			
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$60,026,407	\$13,991,331	\$684,544	\$149,343			
b. Noncontributing Members	7,833,045	1,539,988	101,740	162,201			
c. Annuitants	<u>24,966,972</u>	<u>13,626,528</u>	<u>641,873</u>	<u>252,481</u>			
2. Total Actuarial Accrued Liability	\$92,826,424	\$29,157,847	\$1,428,157	\$564,025			
3. Actuarial value of assets	<u>76,960,326</u>	<u>24,644,036</u>	<u>1,580,332</u>	<u>703,100</u>			
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$15,866,098	\$4,513,811	(\$152,175)	(\$139,075)			
5. Funded Ratio: (3) / (2)	82.9%	84.5%	110.7%	124.7%			
6. Annual Payroll	\$24,137,999	\$4,588,606	\$456,888	\$353,246			
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost	10.91%	7.76%	1.23%	3.52%			
Prior Service	<u>4.36%</u>	<u>8.24%</u>	<u>-1.23%</u>	<u>-1.53%</u>			
Total Retirement	15.27%	16.00%	0.00%	1.99%			
Supplemental Death	<u>0.12%</u>	<u>0.34%</u>	<u>0.60%</u>	<u>0.00%</u>			
Total Rate	15.39%	16.34%	0.60%	1.99%			
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	1.56%			
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	7.50%	9.50%			
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022	23.0 years	16.2 years	N/A	N/A			
Number of annuitants	117	62	10	2			
Number of active contributing members	343	88	11	10			
Number of inactive members	195	68	17	17			
Average age of contributing members	40.1 years	44.9 years	50.0 years	35.1 years			
Average length of service of contributing members	9.7 years	11.3 years	13.0 years	3.1 years			

<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members							
b. Noncontributing Members							
c. Annuitants							
2. Total Actuarial Accrued Liability							
3. Actuarial value of assets							
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)							
5. Funded Ratio: (3) / (2)							
6. Annual Payroll							
<b>CITY CONTRIBUTION RATES FOR 2022</b>							
Retirement							
Normal Cost							
Prior Service							
Total Retirement							
Supplemental Death							
Total Rate							
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death							
Statutory Maximum Rate (Total Retirement Only)							
<b>ADDITIONAL INFORMATION</b>							
Equivalent Single Amortization Period as of 1/2022							
Number of annuitants							
Number of active contributing members							
Number of inactive members							
Average age of contributing members							
Average length of service of contributing members							



**TEXAS MUNICIPAL RETIREMENT SYSTEM**  
**ACTUARIAL VALUATION OF CITIES WITH NO ACTIVE MEMBERS - DECEMBER 31, 2020**

	Burton	Covington	Crystal Beach	Floresville No. 1	Graham Regional Med Cntr	Roy H. Laird Mem Hospital	Santa Anna
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b. Noncontributing Members	30,209	7,640	0	0	6,212,249	4,553,842	0
c. Annuitants	<u>0</u>	<u>0</u>	<u>74,534</u>	<u>16,089</u>	<u>11,095,217</u>	<u>8,091,259</u>	<u>566</u>
2. Total Actuarial Accrued Liability	\$30,209	\$7,640	\$74,534	\$16,089	\$17,307,466	\$12,645,101	\$566
3. Actuarial value of assets	<u>29,733</u>	<u>10,041</u>	<u>488,300</u>	<u>55,378</u>	<u>18,844,482</u>	<u>12,329,240</u>	<u>703,725</u>
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$476	(\$2,401)	(\$413,766)	(\$39,289)	(\$1,537,016)	\$315,861	(\$703,159)
5. Funded Ratio: (3) / (2)	98.4%	131.4%	655.1%	344.2%	108.9%	97.5%	124333.0%
6. Annual Payroll	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>CITY CONTRIBUTION AMOUNT FOR 2022</b>							
Amortization Period	17	N/A	N/A	N/A	N/A	7	N/A
Retirement Benefits	\$ 46	\$ -	\$ -	\$ -	\$ -	\$ 56,222	\$ -
Supplemental Death Benefit	-	-	-	-	12,821	14,392	-
Total Contribution Requirement	\$ 46	\$ -	\$ -	\$ -	\$ 12,821	\$ 70,614	\$ -
<b>ADDITIONAL INFORMATION</b>							
Number of annuitants	0	0	3	1	93	64	1
Number of inactive members	1	1	0	0	111	24	0

	Texhoma	Volente					
<b>SUMMARY OF ACTUARIAL INFORMATION</b>							
1. Actuarial Accrued Liability							
a. Contributing Members	\$0	\$0					
b. Noncontributing Members	0	35,787					
c. Annuitants	<u>56,899</u>	<u>0</u>					
2. Total Actuarial Accrued Liability	\$56,899	\$35,787					
3. Actuarial value of assets	<u>63,942</u>	<u>40,864</u>					
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$7,043)	(\$5,077)					
5. Funded Ratio: (3) / (2)	112.4%	114.2%					
6. Annual Payroll	\$0	\$0					
<b>CITY CONTRIBUTION AMOUNT FOR 2022</b>							
Amortization Period	N/A	N/A					
Retirement Benefits	\$ -	\$ -					
Supplemental Death Benefit	389	-					
Total Contribution Requirement	\$ 389	\$ -					
<b>ADDITIONAL INFORMATION</b>							
Number of annuitants	2	0					
Number of inactive members	0	2					