Texas Municipal Retirement System

Actuarial Valuation Report as of December 31, 2018





May 30, 2019

Board of Trustees Texas Municipal Retirement System Austin, Texas

Dear Members of the Board:

Subject: Actuarial Valuation Report ("our Report") of the Texas Municipal Retirement System ("TMRS") as of December 31, 2018

This is the December 31, 2018 actuarial valuation of the Texas Municipal Retirement System ("TMRS" or the "System") which determines the contribution rates for the calendar year beginning January 1, 2020. This report describes the current actuarial condition of TMRS, determines recommended employer 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 887 separate employer plans participating in TMRS. Separate liabilities and contribution rates are determined for each of the member cities. Valuations are prepared annually as of December 31st, the last day of the plan year.

The employer contribution rates for the units participating in TMRS are certified annually by the Board of Trustees (the "Board"), which is the intended user of this report. These rates are determined actuarially, based on the plan provisions in effect as of the valuation date and the actuarial assumptions and methodology adopted by the Board. The Board's current policy is that the contribution rates determined by a given actuarial valuation become effective one (1) year after the valuation date. For example, the rates determined by this December 31, 2018 actuarial valuation will be applicable for the calendar year beginning January 1, 2020 and ending December 31, 2020.

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 employer, if applicable. These supplemental death benefit rates are listed in Section 5 of our Report.

Progress toward realization of financing objectives

The funded ratio (the ratio of the actuarial value of assets to the actuarial accrued liability) is a standard measure of a plan's funded status. Given the plan's contribution allocation procedure, if all actuarial assumptions are met (including the assumption of the plan earning 6.75% on the actuarial 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 87.1% and decreased from 87.4% in the prior valuation. This decrease in the funded ratio from the prior valuation is primarily due to benefit enhancements granted during the year and a loss from the investment return on the actuarial value of assets of 6.06% which is less than the assumed rate of 6.75%. This loss was somewhat offset by the upcoming COLA being less than assumed and positive system-wide amortization as the equivalent single funding period decreases. (Please note that each city is responsible for its own assets and liabilities and will have its own funded ratio.) On a market value of assets basis, the funded ratio of TMRS as a whole is 82.1% compared to 90.1% 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, 2019. In addition to the 879 plans that are actively participating in TMRS, there are another eight (8) plans that are in inactive status. No new plan provisions occurred during 2018 that impacted the valuation results, other than individual changes adopted by the various municipalities.

Of the 879 active cities, 586 (67%) have adopted annually repeating updated service credits. In addition, 460 (52%) of the cities have adopted annually repeating annuity increases.

However, the larger participating employers have almost all adopted annually repeating benefits. Therefore, of the 111,851 actively contributing members, 90% are covered under an annually repeating updated service credit benefit structure and 71% are covered under an annually repeating annuity



Members of the Board May 30, 2019 Page 3

increase structure.

Five municipalities began participation in the System during 2018. Exhibit VI in Section 1 of our Report shows these cities, the number of contributing members, total payroll, and the 2020 retirement rates.

There were 64 cities which modified their pension benefit provisions since the prior valuation. Of these municipalities, 61 adopted changes which increased benefits, while 3 cities adopted changes which decreased benefits. A summary of these changes is provided in Section 7 of our Report, and the impact on each city's calculated retirement rate is shown in Section 3. The aggregate benefit changes and five new cities increased the overall liability of the System by \$281.4 million.

Assumptions and methods

All actuarial assumptions and methods are described under Section 6 of our Report. Except for healthy post-retirement mortality and the mortality assumption used to develop the Annuity Purchase Rates (APRs), the current actuarial assumptions were developed from the actuarial investigation of the experience of TMRS over the four year period from December 31, 2010 to December 31, 2014. These assumptions were adopted in 2015 and were first used in the December 31, 2015 valuation. Healthy post-retirement mortality rates and the APRs used to annuitize members' account balances at retirement were updated based on the mortality experience investigation study dated December 31, 2013. In addition, in conjunction with these changes in 2013, the Board adopted a change in the actuarial cost method from Projected Unit Credit to Entry Age Normal and a one-time change to the amortization policy as described in Section 6 of this report. There have been no changes in the assumption since the prior valuation.

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

Data

The TMRS staff supplied data for retired, active and inactive members as of December 31, 2018. We did not audit this data, but we did apply a number of tests to the data, and we concluded that it was reasonable and consistent with the prior year's data. The TMRS staff also supplied asset and financial information as of December 31, 2018.



Members of the Board May 30, 2019 Page 4

Actuarial Certification

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

Mark R. Randall

Mark R. Randall, MAAA, FCA, EA

Chief Executive Officer

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

Brad Stewart, MAAA, ASA, EA

Consultant



Table of Contents

Section 1	Executive Summary
Section 2	2020 Contribution Rates, Including a Comparison with 2019 Rates
Section 3	Reconciliation of Full Contribution Rates from Prior Valuation Report
Section 4	Comparison of Expected City Contribution Dollar Amounts for 2019 and 2020
Section 5	Supplemental Death Rates
Section 6	Summary of Actuarial Assumptions and Methods
Section 7	Summary of Benefit Provisions
Section 8	Risks Associated With Measuring the Accrued Liability and Actuarially Determined Contribution
Section 9	Individual City Reports



SECTION 1

EXECUTIVE SUMMARY

Executive Summary Pension Trust

Item		2018	2017
Membership			
Member cities		887	883
Number of			
- Active members		111,851	110,208
- Retirees and beneficiaries		66,051	62,776
- Inactive members		62,465	<u>57,369</u>
- Total		240,367	230,353
 Valuation Payroll (Projected next year) 	\$	6.664 billion	\$ 6.396 billion
Prior Year Payroll	\$	6.444 billion	\$ 6.188 billion
Minimum Contribution Rates		FY 2020	FY 2019
Straight average		8.96%	8.88%
Dollar weighted average		13.58%	13.08%
Assets			
Market value	\$	27.684 billion	\$ 28.649 billion
Estimated yield on market value		-3.1%	13.8%
Member contributions	\$	427.8 million	\$ 410.5 million
Employer contributions		881.5 million	838.4 million
Benefit, refund, and expense payments		1,417.0 million	1,329.9 million
Net external cash flow		(107.7) million	(81.0) million
Actuarial Information - Pension Trust			
 Actuarial accrued liability (AAL) 	\$	33.731 billion	\$ 31.812 billion
 Unfunded actuarial accrued liability (UAAL) 	\$	4.346 billion	\$ 3.998 billion
UAAL as % of pay		67.4%	64.6%
Funded ratio		87.1%	87.4%
 Employer normal cost % - Aggregate 		8.61%	8.43%
 Actuarially Determined Employer Contribution - 		13.58%	13.09%
Equivalent Single Amortization Period		18.2 years	18.8 years
Number of Member Cities with:			
Increase in Full Rate		408	262
Decrease in Full Rate No change in Full Rate		435	580
No change in Full RateNew cities		31 5	22 11
Benefit changes (retirement only)		64	54
Changes in the UAAL			
• Interest	\$	269.9 million	\$ 280.2 million
Amortization payments		(303.6) million	(305.6) million
Asset experience		189.1 million	(92.9) million
Assumption/Methods changes		0.0 million	0.0 million
Liability experience		(48.8) million	(13.1) million
Benefit modifications/New Cities		281.4 million	31.9 million
 Contributions different than actuarially calculated 		(39.7) million	(21.7) million
• Total	\$	348.3 million	\$ (121.2) million



Executive Summary Supplemental Death Trust

Item	2018	2017
Membership (TMRS Active Cities)		
Cities with only active coverage	3	3
- Number of members with active only coverage	447	445
Cities with active and retiree coverage	765	761
- Number of members covered		
- Active members	74,588	73,312
- Retirees	30,453	28,947
- Inactive members	<u>9,555</u>	<u>8,989</u>
- Total	114,596	111,248
- Valuation Payroll (Projected next year)	\$ 4.420 billion	\$ 4.226 billion
- Prior Year Payroll	\$ 4.279 billion	\$ 4.097 billion
Average Contribution Rates For Participating Cities	FY 2020	FY 2019
Straight Average		
- Active coverage	0.17%	0.17%
- Retiree coverage	0.06%	0.06%
Dollar Weighted Average		
- Active coverage	0.14%	0.14%
- Retiree coverage	0.04%	0.04%
Actuarial Information - OPEB		
Actuarial accrued liability (AAL)	\$ 187.0 million	\$ 169.7 million
Fund Value of Assets	17.3 million	18.9 million
Unfunded actuarial accrued liability (UAAL)	\$ 169.7 million	\$ 150.8 million
UAAL as % of pay	4.0%	3.7%
Funded ratio	9.3%	11.1%



Exhibit I Summary of Systemwide Actuarial Valuation Results

	D	ecember 31, 2018	De	ecember 31, 2017
I. Valuation Results for Employer Plans				
1. Actuarial accrued liability (AAL)				
a. Contributing Members	\$	16,457,149,932	\$	15,722,570,819
b. Noncontributing Members		2,870,775,962		2,676,526,747
c. Annuitants		14,403,099,618		13,412,028,940
d. Total AAL	\$	33,731,025,512	\$	31,811,126,506
2. Actuarial value of assets (AVA)				
a. Benefit Accumulation Fund (Smoothed)	\$	29,055,971,226	\$	27,481,720,284
b. Interest Reserve Account		296,780,871		301,294,030
c. Perpetual Endowment		22,069,330		20,472,126
d. Expense Fund		9,884,037		9,648,891
e. Total AVA	\$	29,384,705,464	\$	27,813,135,331
3. Total unfunded actuarial accrued liability (UAAL)				
[1d - 2e]	\$	4,346,320,048	\$	3,997,991,175
4. Funded Ratio [2 / 1]		87.1%		87.4%
II. Valuation Results for Pooled Benefits				
1. Actuarial present value of future benefits from the				
Supplemental Disability Benefits Fund for				
annuities in effect	\$	425,555	\$	460,745
2. Actuarial value of assets of the Supplemental				
Disability Benefits Fund	\$	390,771	\$	433,979
3. Unfunded/(overfunded) actuarial accrued liability				
[UAAL/(OAAL)] in Supplemental Disability Benefits Fund [1 - 2]	\$	34,784	\$	26,766
4. Funded Ratio [2 / 1]		91.8%		94.2%



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

			Valua	tion o	f
		De	cember 31, 2018	De	cember 31, 2017
1.	Market value of assets at beginning of year	\$	28,649,374,617	\$	25,233,205,773
2.	Revenue for the year				
	a. Contributions				
	i. Employee	\$	427,808,238	\$	410,527,770
	ii. Employer		881,531,535		838,363,116
	iii. Total Contributions	\$	1,309,339,773	\$	1,248,890,886
	b. Net investment income				
	i. Interest and dividends	\$	560,741,408	\$	477,401,145
	ii. Net apprec/(deprec) in fair value of investme	ı	(1,370,878,016)		3,106,434,028
	iii. Net securities lending income		-		-
	iv. Investment expenses		(47,986,353)		(86,702,096)
	v. Net investment income	\$	(858,122,961)	\$	3,497,133,077
	c. Miscellaneous	\$	18,501	\$	47,105
	d. Total revenue	\$	451,235,313	\$	4,746,071,068
3.	Expenditures for the year				
	a. Benefit payments				
	i. Retirement benefits	\$	(1,159,702,957)	\$	(1,077,485,262)
	ii. Disability benefits		(17,060,303)		(17,005,751)
	iii. Partial lump sum payments		(158,490,461)		(156,915,521)
	iv. Total benefit payments	\$	(1,335,253,721)	\$	(1,251,406,534)
	b. Refund of contributions	\$	(64,255,860)	\$	(59,405,912)
	c. Administrative expenses		(16,585,866)		(18,124,164)
	d. Allocation to supplemental death benefits fund		(885,044)		(965,614)
	e. Total expenditures	\$	(1,416,980,491)	\$	(1,329,902,224)
4.	Increase in net assets (Item 2d + Item 3e)	\$	(965,745,178)	\$	3,416,168,844
5.	Market value of assets at end of year (Item 1 + Item 4)	\$	27,683,629,439	\$	28,649,374,617



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

						D	Year Ending December 31, 2018					
							2010					
1. Actuarial value of assets at Janu	ary 1					\$	27,481,720,284					
Net external cash flow a. Employer and employee cont b. Benefits and refunds paid	ributions					\$	1,307,945,535 (1,399,658,846)					
c. Subtotal						\$	(91,713,311)					
3. Assumed rate of investment retu	rn for 2018						6.75%					
4. Expected investment return for 2	018 (Item 1 x Item 3)					\$	1,855,016,119					
5. Expected actuarial value of asse	ts at December 31 (Ite	em 1	+ Item 2c + Item 4))		\$	29,245,023,092					
6. Market value of assets at Decen	nber 31					\$	27,354,504,430					
7. Difference (Item 6 - Item 5)						\$	(1,890,518,662)					
8. Development of amounts to be r	ecognized at Decemb	er 31	, 2018:									
Remaining Deferrals												
Fiscal of Excess (Shortfall)												
Year of Investment	Offsetting of		Net Deferrals	Years	Recognized for		Remaining after					
End Income	Gains/(Losses)		Remaining	Remaining	this valuation	on this valuation						
(1)	(2)		(3) = (1) + (2)	(4)	(5) = (3) / (4)		(6) = (3) - (5)					
•	\$ 0	\$	0	7	\$ 0	\$	0					
	-		-				0					
1. Actuarial value of assets at January 1 2. Net external cash flow a. Employer and employee contributions b. Benefits and refunds paid c. Subtotal 3. Assumed rate of investment return for 2018 4. Expected investment return for 2018 (Item 1 x Item 3) 5. Expected actuarial value of assets at December 31 (Item 1+ Item 2c + Item 4) 6. Market value of assets at December 31 7. Difference (Item 6 - Item 5) 8. Development of amounts to be recognized at December 31, 2018: Remaining Deferrals Fiscal of Excess (Shortfall) Year of Investment Offsetting of Remaining Remaining Income (Item 6 - Item 5) 2015 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$		0										
					<u>. — · · · · · · · · · · · · · · · · · · </u>	_	(1,701,466,796)					
Total \$ (1,890,518,662)	\$ 0	\$	(1,890,518,662)		\$ (189,051,866)	\$	(1,701,466,796)					
9. Preliminary Actuarial value of as	sets at December 31	(Item	1 6 - Item 8)			\$	29,055,971,226					
10. Corridor Limits												
a. 85% of market value						\$	23,251,328,766					
b. 115% of market value							31,457,680,095					
c. 33% adjustment back to corri	dor limits (if applicable	le)					-					
11. Final actuarial value of assets at	December 31 (Item 9	+ Ite	em 10c)			\$	29,055,971,226					
12. Asset gain (loss) for year (Item 1	1 - Item 5)					\$	(189,051,866)					
13. Return on the Actuarial Value of	Assets						6.06%					
14. Ratio of actuarial value to marke	t value						106.2%					

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 2019 TO 2020, WITHOUT IMPACT OF STATUTORY MAXIMUM OR PHASE-IN CITIES WITH 500 OR MORE CONTRIBUTING MEMBERS

		RETIREM	ENT PLAN		
			N RATES ONLY		-
CITY NAME	NORMAL 2019	. COST 2020	PRIOR SI 2019	ERVICE 2020	TOTAL CHANGE
CITTINAIVIL	2019	2020	2019	2020	CHANGE
Abilene	7.63%	7.63%	3.30%	3.42%	0.12%
Allen	10.42%	10.43%	3.61%	3.57%	-0.03%
Amarillo	7.15%	7.12%	5.03%	5.09%	0.03%
Arlington	9.27%	9.26%	6.54%	6.87%	0.32%
Baytown	9.90%	9.86%	7.73%	7.47%	-0.30%
Beaumont	9.74%	9.70%	9.48%	9.71%	0.19%
Brownsville	10.53%	10.56%	6.54%	6.30%	-0.21%
Brownsville PUB	10.20%	10.18%	7.25%	7.03%	-0.24%
Bryan	8.88%	8.86%	6.11%	6.33%	0.20%
Carrollton	8.35%	8.33%	3.60%	3.79%	0.17%
College Station	8.56%	8.53%	4.64%	4.66%	-0.01%
Corpus Christi	9.68%	9.67%	14.93%	14.94%	0.00%
Denton	10.00%	10.03%	7.00%	7.26%	0.29%
Edinburg	8.40%	8.67%	5.84%	5.65%	0.08%
Flower Mound	8.00%	7.90%	2.67%	2.87%	0.10%
Frisco	11.25%	11.16%	2.96%	2.91%	-0.14%
Garland	8.52%	8.51%	2.27%	2.52%	0.24%
Georgetown	9.08%	9.08%	3.15%	3.05%	-0.10%
Grand Prairie	10.71%	10.67%	6.16%	6.16%	-0.04%
Grapevine	11.44%	11.48%	7.14%	7.05%	-0.05%
Irving	9.53%	9.46%	4.81%	5.00%	0.12%
Killeen	5.78%	5.77%	5.20%	5.50%	0.29%
Laredo	9.99%	9.96%	10.79%	10.81%	-0.01%
League City	9.35%	9.35%	5.70%	5.37%	-0.33%
Lewisville	10.20%	10.25%	6.08%	6.32%	0.29%
Longview	7.21%	7.19%	3.54%	3.67%	0.11%
Lubbock	9.91%	9.92%	7.80%	7.65%	-0.11%
McAllen	4.85%	4.83%	2.91%	2.98%	0.05%
McKinney	11.51%	11.51%	3.56%	3.39%	-0.17%
Mesquite	8.13%	8.14%	8.38%	8.48%	0.11%
Midland Mission	8.59% 6.41%	8.61%	5.62%	5.80%	0.20% 0.10%
New Braunfels	11.21%	6.45% 11.22%	2.01% 5.75%	2.07% 5.63%	-0.11%
North Richland Hills	11.00%	10.98%	5.15%	5.36%	0.11%
Odessa	7.86%	7.90%	5.21%	5.54%	0.13%
Pasadena	9.22%	9.23%	4.23%	4.23%	0.01%
Pearland	10.13%	10.02%	3.17%	3.12%	-0.16%
Pharr Plano	5.25%	5.30%	2.64% 5.33%	2.56%	-0.03%
Port Arthur	11.34%	11.33%		5.38% 6.75%	0.04%
	7.01%	6.99%	6.79%	6.75%	-0.06%
Richardson	7.96%	7.97%	6.48%	6.75%	0.28%
Round Rock	10.77%	10.78%	4.56%	4.57%	0.02%
San Angelo	8.49%	8.39%	8.97%	9.04%	-0.03%
San Antonio	6.81%	6.78%	4.85%	4.89%	0.01%
San Antonio Water System	2.06%	2.04%	1.54%	1.60%	0.04%
San Marcos	10.38%	10.31%	6.96%	6.98%	-0.05%
Sugar Land	11.08%	11.03%	3.70%	3.57%	-0.18%
Temple	10.10%	10.12%	6.33%	6.79%	0.48%
Tyler	9.23%	9.23%	11.66%	11.76%	0.10%
Victoria	7.70%	7.61%	8.89%	8.69%	-0.29%
Waco	7.54%	7.50%	6.48%	6.83%	0.31%
Wichita Falls	5.49%	5.53%	7.28%	7.75%	0.51%
Average - 52 Cities	8.84%	8.83%	5.74%	5.80%	0.05%



EXHIBIT V

TEXAS MUNICIPAL RETIREMENT SYSTEM

CITIES WITH THE 2020 RETIREMENT RATE (INCLUDING PHASE-IN, IF APPLICABLE) AT THE STATUTORY MAXIMUM, BASED ON THE DECEMBER 31, 2018 VALUATION

	2019 RETIREME	NT PLAN ONLY	2020 RETIREME	NT PLAN ONLY	RATE LIMITED
	FULL	PHASE IN	FULL	PHASE IN	TO STATUTORY
CITY NAME	RATE	MINIMUM	RATE	MINIMUM	MAXIMUM
Gruver	12.94%	11.96%	14.49%	14.01%	12.50%
Jewett	9.32%	9.32%	10.60%	10.60%	9.50%



EXHIBIT VI

TEXAS MUNICIPAL RETIREMENT SYSTEM

CITIES BEGINNING PARTICIPATION IN 2018

CITY NUMBER	CITY NAME	PARTICIPATION DATE	CONTRIBUTING MEMBERS	СО	ANNUAL MPENSATION	NORMAL COST	PRIOR SERVICE	TOTAL
00322	Crowell	10-18	8	\$	208,957	1.59%	3.94%	5.53%
00527	Gordon	10-18	3	\$	125,423	1.83%	0.90%	2.73%
00623	Horizon City	01-18	73	\$	3,069,050	2.81%	3.08%	5.89%
80800	Marquez	11-18	3	\$	93,490	2.21%	16.60%	18.81%
01183	Simonton	10-18	2	\$	99,854	1.55%	0.85%	2.40%



SECTION 2

2020 CONTRIBUTION RATES, INCLUDING A COMPARISON WITH **2019** RATES

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			ibuting nbers	VAZ	20 ITHOUT MA	19 RATES	D DUACE IN		\A)	20 ITHOUT MA	20 RATES	D DUACE IN			GRAND	MAX
		ivier	nbers		REMENT PLA		K PHASE-IIV			REMENT PLA		Y PHASE-IIV	l	GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR	111	SUPPL	GRAND	NORMAL	PRIOR	414	SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST		TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
NOWIDER										SERVICE	TOTAL					·
4	Abernathy	18	16	2.60%	1.41%	4.01%	0.29%	4.30%	2.64%	1.21%	3.85%	0.27%	4.12%	-0.18%		7.50%
6	Abilene	1,031	1,026	7.63%	3.30%	10.93%	0.25%	11.18%	7.63%	3.42%	11.05%	0.25%	11.30%	0.12%	11.30%	NO MAX
7	Addison	257	263	8.35%	2.34%	10.69%	0.17%	10.86%	8.43%	2.63%	11.06%	0.16%	11.22%	0.36%	11.22%	15.50%
8	Agua Dulce	3	4	2.29%	6.79%	9.08%	0.17%	9.25%	2.13%	5.64%	7.77%	0.16%	7.93%	-1.32%	7.93%	NO MAX
10	Alamo	140	147	4.87%	2.00%	6.87%	0.20%	7.07%	4.99%	1.31%	6.30%	0.19%	6.49%	-0.58%	6.49%	9.50%
12	Alamo Heights	93	97	9.83%	7.01%	16.84%	0.21%	17.05%	9.88%	7.03%	16.91%	0.22%	17.13%	0.08%	17.13%	NO MAX
14	Alba	5	5	1.78%	0.66%	2.44%	0.19%	2.63%	1.76%	0.20%	1.96%	0.21%	2.17%	-0.46%		NO MAX
16	Albany	17	16	4.09%	1.15%	5.24%	0.39%	5.63%	4.06%	1.42%	5.48%	0.44%	5.92%	0.29%	5.92%	9.50%
17	Aledo	14	13	7.15%	0.31%	7.46%	0.21%	7.67%	7.04%	0.46%	7.50%	0.17%	7.67%	0.00%	7.67%	NO MAX
18	Alice	208	206	5.26%	-0.45%	4.81%	0.00%	4.81%	5.22%	-0.42%	4.80%	0.00%	4.80%	-0.01%	4.80%	11.50%
19	Allen	737	751	10.42%	3.61%	14.03%	0.15%	14.18%	10.43%	3.57%	14.00%	0.15%	14.15%	-0.03%	14.15%	NO MAX
20	Alpine	72	79	3.61%	-2.55%	1.06%	0.19%	1.25%	3.51%	-2.63%	0.88%	0.19%	1.07%	-0.18%	1.07%	11.50%
22	Alto	13	14	10.46%	1.12%	11.58%	0.25%	11.83%	9.85%	0.90%	10.75%	0.22%	10.97%	-0.86%	10.97%	13.50%
23	Alton	78	83	12.37%	1.53%	13.90%	0.16%	14.06%	12.36%	0.98%	13.34%	0.16%	13.50%	-0.56%	12.80%	13.50%
24	Alvarado	59	64	4.59%	0.60%	5.19%	0.15%	5.34%	4.75%	0.61%	5.36%	0.15%	5.51%	0.17%	5.51%	NO MAX
26	Alvin	210	214	9.98%	6.90%	16.88%	0.16%	17.04%	9.86%	7.14%	17.00%	0.16%	17.16%	0.12%	17.16%	NO MAX
28	Alvord	7	7	4.15%	1.29%	5.44%	0.23%	5.67%	4.98%	0.80%	5.78%	0.30%	6.08%	0.41%	6.08%	NO MAX
30	Amarillo	1,823	1,831	7.15%	5.03%	12.18%	0.00%	12.18%	7.12%	5.09%	12.21%	0.00%	12.21%	0.03%	12.21%	NO MAX
32	Amherst	4	3	4.13%	-4.13%	0.00%	0.00%	0.00%	4.33%	-4.33%	0.00%	0.00%	0.00%	0.00%	0.00%	NO MAX
34	Anahuac	9	11	7.08%	1.67%	8.75%	0.13%	8.88%	7.04%	1.62%	8.66%	0.15%	8.81%	-0.07%	8.81%	NO MAX
36	Andrews	72	70	8.77%	7.20%	15.97%	0.00%	15.97%	8.72%	7.26%	15.98%	0.00%	15.98%	0.01%	15.98%	NO MAX
38	Angleton	120	124	8.54%	3.81%	12.35%	0.23%	12.58%	8.53%	3.68%	12.21%	0.23%	12.44%	-0.14%	12.44%	NO MAX
40	Anna	64	76	13.17%	1.50%	14.67%	0.13%	14.80%	12.78%	1.31%	14.09%	0.13%	14.22%	-0.58%	14.22%	NO MAX
41	Annetta	3	2	9.28%	0.71%	9.99%	0.62%	10.61%	8.60%	0.22%	8.82%	0.10%	8.92%	-1.69%	8.92%	NO MAX
44	Anson	24	25	1.04%	-0.50%	0.54%	0.19%	0.73%	1.14%	-0.57%	0.57%	0.22%	0.79%	0.06%	0.79%	7.50%
45	Anthony	31	31	1.51%	1.48%	2.99%	0.13%	3.12%	1.44%	1.75%	3.19%	0.15%	3.34%	0.22%	3.34%	NO MAX
48	Aransas Pass	105	108	7.29%	2.42%	9.71%	0.20%	9.91%	7.21%	2.58%	9.79%	0.21%	10.00%	0.09%	10.00%	NO MAX
50	Archer City	18	18	3.61%	0.57%	4.18%	0.31%	4.49%	3.63%	0.62%	4.25%	0.34%	4.59%	0.10%	4.59%	9.50%
49	Arcola	12	14	2.01%	2.80%	4.81%	0.18%	4.99%	2.09%	1.96%	4.05%	0.18%	4.23%	-0.76%	4.23%	NO MAX
51	Argyle	26	26	11.26%	2.42%	13.68%	0.00%	13.68%	11.56%	1.86%	13.42%	0.00%	13.42%	-0.26%	13.42%	NO MAX
52	Arlington	2,495	2,551	9.27%	6.54%	15.81%	0.15%	15.96%	9.26%	6.87%	16.13%	0.16%	16.29%	0.33%	16.29%	NO MAX
54	Arp	8	7	2.22%	-0.54%	1.68%	0.18%	1.86%	2.41%	-1.27%	1.14%	0.12%	1.26%	-0.60%		7.50%
60	Aspermont	6	6	1.42%	-1.42%	0.00%	0.19%	0.19%	1.41%	-1.41%	0.00%	0.20%	0.20%	0.01%		

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			ibuting			19 RATES					20 RATES					
		Mer	nbers		WITHOUT MAXIMUM OR		R PHASE-IN	PHASE-IN WITHOUT MAXIMUM OR RETIREMENT PLAN				PHASE-IN			GRAND	MAX
					REMENT PLA	<u> </u>					<u>N</u>			GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
62	Athens	126	121	8.98%	6.89%	15.87%	0.18%	16.05%	9.05%	6.41%	15.46%	0.16%	15.62%	-0.43%	15.62%	NO MAX
64	Atlanta	41	41	3.49%	0.09%	3.58%	0.21%	3.79%	3.45%	-0.06%	3.39%	0.23%	3.62%	-0.17%	3.62%	7.50%
66	Aubrey	49	63	5.83%	0.30%	6.13%	0.16%	6.29%	5.62%	0.29%	5.91%	0.15%	6.06%	-0.23%	6.06%	13.50%
74	Avinger	2	2	3.00%	-0.93%	2.07%	0.20%	2.27%	3.01%	-0.99%	2.02%	0.22%	2.24%	-0.03%	2.24%	9.50%
75	Azle	117	126	8.73%	3.50%	12.23%	0.18%	12.41%	8.68%	3.82%	12.50%	0.17%	12.67%	0.26%	12.67%	12.50%
77	Baird	11	11	1.57%	-0.70%	0.87%	0.15%	1.02%	1.71%	-0.63%	1.08%	0.17%	1.25%	0.23%	1.25%	NO MAX
78	Balch Springs	168	176	9.44%	4.39%	13.83%	0.15%	13.98%	9.30%	4.30%	13.60%	0.16%	13.76%	-0.22%	13.76%	NO MAX
79	Balcones Heights	55	53	8.73%	-0.16%	8.57%	0.21%	8.78%	8.61%	-0.69%	7.92%	0.21%	8.13%	-0.65%	8.13%	NO MAX
80	Ballinger	37	40	3.30%	0.40%	3.70%	0.29%	3.99%	3.21%	0.35%	3.56%	0.29%	3.85%	-0.14%	3.85%	7.50%
82	Balmorhea	1	1	1.66%	-1.66%	0.00%	0.07%	0.07%	1.66%	-1.66%	0.00%	0.08%	0.08%	0.01%	0.08%	NO MAX
83	Bandera	20	21	11.09%	-0.69%	10.40%	0.41%	10.81%	11.16%	-0.34%	10.82%	0.26%	11.08%	0.27%	11.08%	NO MAX
84	Bangs	15	12	10.86%	1.94%	12.80%	0.35%	13.15%	10.71%	1.62%	12.33%	0.33%	12.66%	-0.49%	12.66%	NO MAX
90	Bartlett	13	12	8.93%	-1.06%	7.87%	0.25%	8.12%	9.25%	-1.03%	8.22%	0.33%	8.55%	0.43%	8.55%	11.50%
91	Bartonville	6	7	7.34%	7.94%	15.28%	0.11%	15.39%	7.16%	8.39%	15.55%	0.11%	15.66%	0.27%	15.11%	NO MAX
92	Bastrop	127	131	8.54%	2.83%	11.37%	0.17%	11.54%	8.46%	2.83%	11.29%	0.18%	11.47%	-0.07%	11.47%	12.50%
94	Bay City	160	159	5.73%	3.78%	9.51%	0.23%	9.74%	5.68%	3.94%	9.62%	0.22%	9.84%	0.10%	9.84%	11.50%
93	Bayou Vista	6	8	3.72%	-0.90%	2.82%	0.19%	3.01%	3.35%	-0.69%	2.66%	0.13%	2.79%	-0.22%	2.79%	NO MAX
96	Baytown	819	834	9.90%	7.73%	17.63%	0.15%	17.78%	9.86%	7.47%	17.33%	0.15%	17.48%	-0.30%	17.48%	NO MAX
98	Beaumont	992	1,000	9.74%	9.48%	19.22%	0.00%	19.22%	9.70%	9.71%	19.41%	0.00%	19.41%	0.19%	19.41%	NO MAX
100	Bedford	339	343	5.63%	3.39%	9.02%	0.00%	9.02%	5.59%	3.33%	8.92%	0.00%	8.92%	-0.10%	8.92%	NO MAX
101	Bee Cave	42	44	8.23%	0.85%	9.08%	0.16%	9.24%	8.21%	0.76%	8.97%	0.15%	9.12%	-0.12%	9.12%	13.50%
102	Beeville	112	97	3.65%	-2.82%	0.83%	0.00%	0.83%	3.63%	-3.20%	0.43%	0.00%	0.43%	-0.40%	0.43%	11.50%
106	Bellaire	156	153	11.22%	9.23%	20.45%	0.20%	20.65%	11.23%	8.97%	20.20%	0.21%	20.41%	-0.24%	20.41%	NO MAX
109	Bellmead	77	74	8.77%	0.04%	8.81%	0.19%	9.00%	8.60%	0.03%	8.63%	0.19%	8.82%	-0.18%	8.82%	12.50%
110	Bells	8	10	1.53%	-1.53%	0.00%	0.11%	0.11%	1.67%	-1.67%	0.00%	0.11%	0.11%	0.00%	0.11%	NO MAX
112	Bellville	54	50	6.25%	9.13%	15.38%	0.25%	15.63%	6.35%	9.43%	15.78%	0.27%	16.05%	0.42%	16.05%	NO MAX
114	Belton	174	170	6.40%	1.50%	7.90%	0.16%	8.06%	6.56%	1.55%	8.11%	0.17%	8.28%	0.22%	8.28%	12.50%
118	Benbrook	122	121	11.42%	4.76%	16.18%	0.14%	16.32%	11.60%	4.84%	16.44%	0.15%	16.59%	0.27%	16.59%	NO MAX
121	Berryville	2	2	3.81%	-0.78%	3.03%	0.40%	3.43%	3.79%	-0.40%	3.39%	0.44%	3.83%	0.40%	3.83%	9.50%
123	Bertram	10	13	1.99%	-0.01%	1.98%	0.00%	1.98%	1.62%	0.08%	1.70%	0.00%	1.70%	-0.28%	1.70%	7.50%
124	Big Lake	24	26	6.89%	10.78%	17.67%	0.23%	17.90%	6.98%	10.53%	17.51%	0.25%	17.76%	-0.14%	17.76%	NO MAX
126	Big Sandy	11	10	1.45%	0.99%	2.44%	0.22%	2.66%	1.36%	1.13%	2.49%	0.22%	2.71%	0.05%	2.71%	7.50%
128	Big Spring	178	175	8.91%	8.28%	17.19%	0.29%	17.48%	8.86%	8.58%	17.44%	0.30%	17.74%	0.26%	17.74%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			ibuting			19 RATES				20						
		Men	nbers		ITHOUT MA		R PHASE-IN					R PHASE-IN			GRAND	MAX
					REMENT PLA	<u>AN</u>				REMENT PLA	AN			GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
132	Bishop	22	23	2.98%	0.53%	3.51%	0.24%	3.75%	2.98%	0.54%	3.52%	0.25%	3.77%	0.02%	3.77%	11.50%
134	Blanco	22	21	6.07%	0.40%	6.47%	0.23%	6.70%	6.07%	0.48%	6.55%	0.18%	6.73%	0.03%	6.73%	13.50%
140	Blooming Grove	5	5	6.68%	3.30%	9.98%	0.14%	10.12%	6.65%	4.13%	10.78%	0.15%	10.93%	0.81%	10.93%	11.50%
142	Blossom	4	4	5.82%	-2.10%	3.72%	0.53%	4.25%	5.81%	-1.70%	4.11%	0.58%	4.69%	0.44%	4.69%	11.50%
143	Blue Mound	23	23	4.51%	0.13%	4.64%	0.10%	4.74%	4.49%	0.19%	4.68%	0.10%	4.78%	0.04%	4.78%	NO MAX
144	Blue Ridge	5	5	2.92%	-1.11%	1.81%	0.25%	2.06%	2.99%	-1.20%	1.79%	0.19%	1.98%	-0.08%	1.98%	NO MAX
148	Boerne	250	259	11.45%	6.89%	18.34%	0.17%	18.51%	11.49%	6.86%	18.35%	0.17%	18.52%	0.01%	18.52%	NO MAX
150	Bogata	9	10	1.57%	-1.57%	0.00%	0.16%	0.16%	1.48%	-1.34%	0.14%	0.16%	0.30%	0.14%	0.30%	7.50%
152	Bonham	113	111	4.43%	0.88%	5.31%	0.00%	5.31%	4.45%	0.70%	5.15%	0.00%	5.15%	-0.16%	5.15%	10.50%
154	Booker	9	10	5.40%	0.45%	5.85%	0.36%	6.21%	5.64%	0.00%	5.64%	0.34%	5.98%	-0.23%	5.98%	9.50%
156	Borger	168	170	9.32%	5.25%	14.57%	0.20%	14.77%	9.18%	4.69%	13.87%	0.19%	14.06%	-0.71%	14.06%	NO MAX
158	Bovina	11	11	1.19%	-1.19%	0.00%	0.18%	0.18%	1.19%	-0.96%	0.23%	0.19%	0.42%	0.24%	0.42%	7.50%
160	Bowie	75	80	7.07%	3.55%	10.62%	0.21%	10.83%	7.04%	2.53%	9.57%	0.25%	9.82%	-1.01%	9.82%	11.50%
162	Boyd	14	16	4.53%	-0.29%	4.24%	0.00%	4.24%	4.29%	-0.19%	4.10%	0.00%	4.10%	-0.14%	4.10%	11.50%
166	Brady	94	98	8.45%	1.79%	10.24%	0.24%	10.48%	8.41%	1.42%	9.83%	0.26%	10.09%	-0.39%	10.09%	12.50%
170	Brazoria	26	28	6.18%	0.51%	6.69%	0.22%	6.91%	5.78%	-0.14%	5.64%	0.21%	5.85%	-1.06%	5.85%	11.50%
172	Breckenridge	65	66	4.66%	2.76%	7.42%	0.27%	7.69%	4.69%	2.24%	6.93%	0.28%	7.21%	-0.48%	7.21%	NO MAX
174	Bremond	7	6	5.71%	10.24%	15.95%	0.26%	16.21%	5.67%	10.30%	15.97%	0.31%	16.28%	0.07%	16.28%	NO MAX
176	Brenham	207	206	5.20%	4.81%	10.01%	0.00%	10.01%	5.02%	4.65%	9.67%	0.00%	9.67%	-0.34%	9.67%	11.50%
177	Bridge City	52	58	9.44%	5.63%	15.07%	0.28%	15.35%	9.34%	5.79%	15.13%	0.28%	15.41%	0.06%	15.41%	NO MAX
178	Bridgeport	59	57	8.87%	5.01%	13.88%	0.15%	14.03%	9.20%	4.47%	13.67%	0.20%	13.87%	-0.16%	13.87%	NO MAX
180	Bronte	3	3	1.95%	11.03%	12.98%	0.17%	13.15%	2.58%	10.51%	13.09%	0.24%	13.33%	0.18%	13.21%	NO MAX
182	Brookshire	40	40	6.89%	1.68%	8.57%	0.19%	8.76%	6.87%	1.81%	8.68%	0.19%	8.87%	0.11%	8.87%	12.50%
184	Brownfield	86	91	5.37%	-0.26%	5.11%	0.00%	5.11%	5.38%	-1.46%	3.92%	0.00%	3.92%	-1.19%	3.92%	NO MAX
186	Brownsboro	10	9	1.85%	8.90%	10.75%	0.37%	11.12%	1.82%	8.59%	10.41%	0.41%	10.82%	-0.30%	10.82%	NO MAX
10188	Brownsville	1,148	1,144	10.53%	6.54%	17.07%	0.18%	17.25%	10.56%	6.30%	16.86%	0.18%	17.04%	-0.21%	17.04%	NO MAX
20188	Brownsville PUB	587	585	10.20%	7.25%	17.45%	0.20%	17.65%	10.18%	7.03%	17.21%	0.21%	17.42%	-0.23%	17.42%	NO MAX
10190	Brownwood	230	227	8.54%	4.59%	13.13%	0.00%	13.13%	8.54%	4.83%	13.37%	0.00%	13.37%	0.24%	13.37%	NO MAX
30190	Brownwood Health Dept.	12	11	8.24%	1.71%	9.95%	0.00%	9.95%	7.94%	2.70%	10.64%	0.00%	10.64%	0.69%	10.64%	NO MAX
20190	Brownwood Public Library	9	10	5.75%	-1.05%	4.70%	0.00%	4.70%	5.37%	-0.93%	4.44%	0.00%	4.44%	-0.26%	4.44%	11.50%
195	Bruceville-Eddy	18	17	5.55%	-0.31%	5.24%	0.16%	5.40%	5.89%	-0.17%	5.72%	0.17%	5.89%	0.49%	5.89%	11.50%
192	Bryan	875	877	8.88%	6.11%	14.99%	0.00%	14.99%	8.86%	6.33%	15.19%	0.00%	15.19%	0.20%	15.19%	NO MAX
193	Bryson	3	3	2.64%	-2.64%	0.00%	0.00%	0.00%	2.95%	-2.95%	0.00%	0.00%	0.00%	0.00%		9.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			buting			19 RATES					20 RATES					
		Men	nbers		ITHOUT MA		R PHASE-IN			ITHOUT MA		R PHASE-IN			GRAND	MAX
					REMENT PLA	<u> </u>				REMENT PLA	<u>AN</u>			GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
194	Buda	93	108	11.67%	2.27%	13.94%	0.16%	14.10%	11.75%	2.01%	13.76%	0.17%	13.93%	-0.17%	13.93%	NO MAX
196	Buffalo	15	17	4.72%	0.10%	4.82%	0.38%	5.20%	4.77%	0.05%	4.82%	0.42%	5.24%	0.04%	5.24%	11.50%
198	Bullard	26	27	5.94%	1.74%	7.68%	0.18%	7.86%	5.89%	1.59%	7.48%	0.19%	7.67%	-0.19%	7.67%	11.50%
203	Bulverde	26	27	7.53%	1.52%	9.05%	0.12%	9.17%	8.52%	1.48%	10.00%	0.14%	10.14%	0.97%	10.14%	NO MAX
199	Bunker Hill Village	7	8	9.67%	2.03%	11.70%	0.22%	11.92%	9.52%	0.66%	10.18%	0.20%	10.38%	-1.54%	10.38%	NO MAX
200	Burkburnett	75	72	6.42%	3.72%	10.14%	0.25%	10.39%	6.47%	3.81%	10.28%	0.27%	10.55%	0.16%	10.55%	NO MAX
202	Burleson	328	335	10.39%	4.92%	15.31%	0.14%	15.45%	10.45%	5.02%	15.47%	0.14%	15.61%	0.16%	15.61%	NO MAX
204	Burnet	110	116	9.29%	3.77%	13.06%	0.17%	13.23%	9.23%	3.77%	13.00%	0.16%	13.16%	-0.07%	13.16%	13.50%
206	Burton	1	1	1.64%	8.45%	10.09%	0.11%	10.20%	1.64%	8.72%	10.36%	0.11%	10.47%	0.27%	10.47%	NO MAX
207	Cactus	39	39	5.06%	0.03%	5.09%	0.14%	5.23%	5.15%	0.03%	5.18%	0.15%	5.33%	0.10%	5.33%	13.50%
208	Caddo Mills	13	12	5.56%	0.82%	6.38%	0.17%	6.55%	5.44%	0.35%	5.79%	0.15%	5.94%	-0.61%	5.94%	NO MAX
210	Caldwell	59	58	5.84%	3.48%	9.32%	0.38%	9.70%	5.84%	2.29%	8.13%	0.39%	8.52%	-1.18%	8.52%	11.50%
212	Calvert	11	11	1.96%	-0.92%	1.04%	0.29%	1.33%	2.05%	-0.89%	1.16%	0.33%	1.49%	0.16%	1.49%	NO MAX
214	Cameron	43	41	5.25%	4.84%	10.09%	0.26%	10.35%	5.39%	4.90%	10.29%	0.26%	10.55%	0.20%	10.55%	NO MAX
216	Campbell	2	2	1.70%	40.11%	41.81%	0.19%	42.00%	1.70%	40.05%	41.75%	0.22%	41.97%	-0.03%	41.97%	NO MAX
220	Canadian	20	20	9.39%	6.84%	16.23%	0.18%	16.41%	9.55%	7.55%	17.10%	0.20%	17.30%	0.89%	17.30%	NO MAX
221	Caney City	4	4	1.96%	-0.05%	1.91%	0.08%	1.99%	1.81%	-0.38%	1.43%	0.08%	1.51%	-0.48%	1.51%	NO MAX
222	Canton	69	66	8.10%	3.98%	12.08%	0.21%	12.29%	8.08%	3.53%	11.61%	0.23%	11.84%	-0.45%	11.84%	NO MAX
224	Canyon	90	100	10.52%	4.81%	15.33%	0.21%	15.54%	10.35%	3.77%	14.12%	0.20%	14.32%	-1.22%	14.32%	NO MAX
227	Carmine	2	2	2.68%	-0.01%	2.67%	0.08%	2.75%	2.68%	-0.73%	1.95%	0.08%	2.03%	-0.72%	2.03%	7.50%
228	Carrizo Springs	40	40	4.75%	0.49%	5.24%	0.36%	5.60%	4.81%	0.52%	5.33%	0.30%	5.63%	0.03%	5.63%	9.50%
230	Carrollton	800	802	8.35%	3.60%	11.95%	0.00%	11.95%	8.33%	3.79%	12.12%	0.00%	12.12%	0.17%	12.12%	NO MAX
232	Carthage	73	73	9.07%	9.69%	18.76%	0.27%	19.03%	9.00%	8.97%	17.97%	0.28%	18.25%	-0.78%	18.25%	NO MAX
231	Castle Hills	67	60	7.84%	3.59%	11.43%	0.16%	11.59%	8.46%	3.92%	12.38%	0.17%	12.55%	0.96%	12.55%	NO MAX
234	Castroville	40	42	7.62%	1.44%	9.06%	0.31%	9.37%	7.24%	1.51%	8.75%	0.30%	9.05%	-0.32%	9.05%	11.50%
238	Cedar Hill	336	340	9.69%	4.02%	13.71%	0.15%	13.86%	9.68%	4.11%	13.79%	0.15%	13.94%	0.08%		NO MAX
239	Cedar Park	445	473	9.53%	4.79%	14.32%	0.12%	14.44%	9.65%	4.71%	14.36%	0.12%	14.48%	0.04%	14.48%	NO MAX
240	Celeste	4	2	2.35%	5.25%	7.60%	0.24%	7.84%	3.04%	5.89%	8.93%	0.46%	9.39%	1.55%		NO MAX
242	Celina	105	147	6.47%	-0.13%	6.34%	0.13%	6.47%	6.55%	-0.08%	6.47%	0.15%	6.62%	0.15%		13.50%
244	Center	71	69	9.83%	3.33%	13.16%	0.16%	13.32%	9.83%	2.57%	12.40%	0.18%	12.58%	-0.74%	12.58%	NO MAX
246	Centerville	5	5	6.75%	14.91%	21.66%	0.00%	21.66%	6.84%	15.29%	22.13%	0.00%	22.13%	0.47%	21.92%	NO MAX
247	Chandler	26	26	2.17%	2.53%	4.70%	0.25%	4.95%	2.05%	2.41%	4.46%	0.23%	4.69%	-0.26%	4.69%	NO MAX
248	Charlotte	10	8	4.61%	1.97%	6.58%	0.17%	6.75%	4.66%	-0.87%	3.79%	0.18%	3.97%	-2.78%	3.97%	9.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			buting			19 RATES					20 RATES					
		Men	nbers		ITHOUT MA		R PHASE-IN			ITHOUT MA		PHASE-IN			GRAND	MAX
					REMENT PLA	AN				REMENT PLA	N .			GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
249	Chester	2	2	6.90%	-5.36%	1.54%	0.88%	2.42%	6.91%	-6.29%	0.62%	0.95%	1.57%	-0.85%	1.57%	NO MAX
245	Chico	7	7	2.27%	1.73%	4.00%	0.41%	4.41%	2.23%	2.03%	4.26%	0.45%	4.71%	0.30%	4.71%	NO MAX
250	Childress	60	60	9.29%	5.69%	14.98%	0.32%	15.30%	9.17%	6.34%	15.51%	0.31%	15.82%	0.52%	15.82%	NO MAX
251	Chillicothe	6	6	2.02%	7.76%	9.78%	0.20%	9.98%	2.18%	5.15%	7.33%	0.20%	7.53%	-2.45%	7.53%	NO MAX
253	Chireno	6	6	9.70%	10.76%	20.46%	0.24%	20.70%	9.69%	11.39%	21.08%	0.26%	21.34%	0.64%	21.34%	NO MAX
254	Christine	1	1	0.71%	-0.71%	0.00%	0.00%	0.00%	0.71%	-0.71%	0.00%	0.00%	0.00%	0.00%	0.00%	NO MAX
255	Cibolo	123	127	10.97%	1.75%	12.72%	0.15%	12.87%	10.75%	1.74%	12.49%	0.16%	12.65%	-0.22%	12.65%	13.50%
256	Cisco	36	37	6.33%	0.23%	6.56%	0.20%	6.76%	6.24%	0.15%	6.39%	0.21%	6.60%	-0.16%	6.60%	11.50%
258	Clarendon	16	16	2.77%	-1.30%	1.47%	0.60%	2.07%	2.70%	-1.31%	1.39%	0.57%	1.96%	-0.11%	1.96%	9.50%
259	Clarksville	24	26	7.26%	-5.07%	2.19%	0.24%	2.43%	6.74%	-5.18%	1.56%	0.23%	1.79%	-0.64%	1.79%	11.50%
260	Clarksville City	4	4	5.28%	-1.25%	4.03%	0.17%	4.20%	5.23%	-0.83%	4.40%	0.20%	4.60%	0.40%	4.60%	NO MAX
263	Clear Lake Shores	17	18	9.22%	1.66%	10.88%	0.20%	11.08%	9.01%	1.64%	10.65%	0.14%	10.79%	-0.29%	10.79%	12.50%
264	Cleburne	285	286	8.04%	7.65%	15.69%	0.22%	15.91%	8.17%	7.89%	16.06%	0.22%	16.28%	0.37%	16.28%	NO MAX
266	Cleveland	77	83	6.60%	4.17%	10.77%	0.25%	11.02%	6.54%	3.99%	10.53%	0.23%	10.76%	-0.26%	10.76%	11.50%
268	Clifton	25	27	1.95%	-0.19%	1.76%	0.35%	2.11%	1.97%	-0.04%	1.93%	0.38%	2.31%	0.20%	2.31%	7.50%
271	Clute	90	94	9.74%	0.51%	10.25%	0.19%	10.44%	9.73%	0.56%	10.29%	0.16%	10.45%	0.01%	10.45%	13.50%
272	Clyde	32	33	9.55%	3.41%	12.96%	0.20%	13.16%	9.80%	3.18%	12.98%	0.22%	13.20%	0.04%	13.20%	13.50%
274	Coahoma	5	5	6.50%	-0.47%	6.03%	0.23%	6.26%	6.50%	-0.23%	6.27%	0.25%	6.52%	0.26%	6.52%	11.50%
276	Cockrell Hill	32	31	9.29%	-1.11%	8.18%	0.17%	8.35%	9.60%	-1.52%	8.08%	0.20%	8.28%	-0.07%	8.28%	13.50%
278	Coleman	68	67	8.98%	7.56%	16.54%	0.00%	16.54%	9.27%	7.62%	16.89%	0.00%	16.89%	0.35%	16.89%	NO MAX
280	College Station	905	908	8.56%	4.64%	13.20%	0.00%	13.20%	8.53%	4.66%	13.19%	0.00%	13.19%	-0.01%	13.19%	NO MAX
281	Colleyville	185	177	8.73%	-0.17%	8.56%	0.16%	8.72%	8.61%	0.33%	8.94%	0.16%	9.10%	0.38%	9.10%	13.50%
282	Collinsville	8	8	5.49%	-0.04%	5.45%	0.26%	5.71%	5.30%	0.13%	5.43%	0.25%	5.68%	-0.03%	5.68%	12.50%
283	Colmesneil	5	4	3.69%	4.72%	8.41%	0.07%	8.48%	3.70%	5.35%	9.05%	0.09%	9.14%	0.66%	9.14%	NO MAX
284	Colorado City	40	45	8.48%	-0.09%	8.39%	0.40%	8.79%	8.28%	-0.24%	8.04%	0.43%	8.47%	-0.32%	8.47%	12.50%
286	Columbus	38	38	7.79%	4.60%	12.39%	0.22%	12.61%	7.81%	4.65%	12.46%	0.25%	12.71%	0.10%	12.71%	NO MAX
288	Comanche	26	25	3.26%	1.46%	4.72%	0.31%	5.03%	3.28%	1.69%	4.97%	0.34%	5.31%	0.28%	5.31%	7.50%
289	Combes	18	17	1.49%	5.26%	6.75%	0.22%	6.97%	1.57%	5.35%	6.92%	0.24%	7.16%	0.19%	7.16%	NO MAX
290	Commerce	78	75	6.69%	1.87%	8.56%	0.23%	8.79%	6.78%	1.72%	8.50%	0.23%	8.73%	-0.06%	8.73%	11.50%
294	Conroe	419	430	9.65%	6.52%	16.17%	0.00%	16.17%	9.68%	6.56%	16.24%	0.00%	16.24%	0.07%	16.24%	NO MAX
295	Converse	158	165	9.63%	4.12%	13.75%	0.14%	13.89%	9.55%	4.17%	13.72%	0.13%	13.85%	-0.04%	13.85%	NO MAX
298	Cooper	13	13	3.17%	1.76%	4.93%	0.30%	5.23%	3.20%	1.82%	5.02%	0.27%	5.29%	0.06%	5.29%	8.50%
299	Coppell	378	379	11.06%	4.47%	15.53%	0.16%	15.69%	10.86%	4.71%	15.57%	0.15%	15.72%	0.03%	15.72%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			ibuting			19 RATES					20 RATES					
		Men	nbers		ITHOUT MA		R PHASE-IN			ITHOUT MA		R PHASE-IN	l		GRAND	MAX
CITY			T 1116		REMENT PLA	AN	CLIBBI	CDAND		REMENT PLA	AN	CLIDDI	CDAND	GRAND	TOTAL	RATE
CITY	CITY NAME	LAST	THIS	NORMAL	PRIOR	TOTAL	SUPPL	GRAND	NORMAL	PRIOR	TOTAL	SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
297	Copper Canyon	3	3	10.72%	2.32%	13.04%	0.51%	13.55%	10.70%	2.59%	13.29%	0.55%	13.84%	0.29%	12.24%	NO MAX
300	Copperas Cove	252	244	8.24%	3.72%	11.96%	0.20%	12.16%	8.17%	3.89%	12.06%	0.20%	12.26%	0.10%	12.26%	NO MAX
301	Corinth	143	144	11.08%	4.22%	15.30%	0.14%	15.44%	11.33%	4.01%	15.34%	0.13%	15.47%	0.03%	15.47%	NO MAX
302	Corpus Christi	2,321	2,419	9.68%	14.93%	24.61%	0.00%	24.61%	9.67%	14.94%	24.61%	0.00%	24.61%	0.00%		NO MAX
304	Corrigan	29	26	3.85%	-0.02%	3.83%	0.22%	4.05%	4.08%	-0.11%	3.97%	0.25%	4.22%	0.17%	4.22%	11.50%
306	Corsicana	180	176	7.90%	7.61%	15.51%	0.23%	15.74%	7.96%	7.41%	15.37%	0.23%	15.60%	-0.14%	15.60%	NO MAX
308	Cotulla	37	39	4.76%	1.91%	6.67%	0.31%	6.98%	4.76%	1.85%	6.61%	0.32%	6.93%	-0.05%	6.93%	11.50%
310	Crandall	29	30	11.27%	-0.59%	10.68%	0.18%	10.86%	11.03%	-0.35%	10.68%	0.17%	10.85%	-0.01%	10.85%	13.50%
312	Crane	22	25	9.07%	-0.21%	8.86%	0.20%	9.06%	9.72%	-1.71%	8.01%	0.20%	8.21%	-0.85%	8.21%	15.50%
314	Crawford	5	5	1.35%	-0.37%	0.98%	0.00%	0.98%	1.23%	-0.44%	0.79%	0.00%	0.79%	-0.19%	0.79%	7.50%
316	Crockett	54	52	6.58%	1.52%	8.10%	0.30%	8.40%	6.54%	1.55%	8.09%	0.33%	8.42%	0.02%	8.42%	11.50%
318	Crosbyton	9	10	5.78%	-0.91%	4.87%	0.82%	5.69%	5.43%	-0.41%	5.02%	0.77%	5.79%	0.10%	5.79%	10.50%
320	Cross Plains	8	8	5.22%	3.17%	8.39%	0.22%	8.61%	5.21%	2.95%	8.16%	0.18%	8.34%	-0.27%	8.34%	9.50%
321	Cross Roads	9	11	6.82%	0.55%	7.37%	0.07%	7.44%	7.10%	0.45%	7.55%	0.08%	7.63%	0.19%	7.63%	NO MAX
322	Crowell	N/A	8	1.47%	3.60%	5.07%	0.27%	5.34%	1.59%	3.94%	5.53%	0.28%	5.81%	0.47%	5.81%	NO MAX
323	Crowley	111	115	8.30%	2.47%	10.77%	0.13%	10.90%	8.27%	2.68%	10.95%	0.14%	11.09%	0.19%	11.09%	12.50%
324	Crystal City	50	51	4.05%	-3.20%	0.85%	0.00%	0.85%	4.08%	-3.47%	0.61%	0.00%	0.61%	-0.24%	0.61%	13.50%
326	Cuero	93	90	7.01%	3.33%	10.34%	0.28%	10.62%	6.98%	3.50%	10.48%	0.26%	10.74%	0.12%	10.74%	11.50%
328	Cumby	10	10	1.55%	0.63%	2.18%	0.14%	2.32%	1.33%	0.58%	1.91%	0.13%	2.04%	-0.28%	2.04%	NO MAX
332	Daingerfield	17	18	5.53%	0.61%	6.14%	0.00%	6.14%	5.65%	-0.05%	5.60%	0.00%	5.60%	-0.54%	5.60%	9.50%
334	Daisetta	8	7	2.24%	-0.98%	1.26%	0.37%	1.63%	2.29%	-1.37%	0.92%	0.42%	1.34%	-0.29%	1.34%	NO MAX
336	Dalhart	67	67	4.67%	0.01%	4.68%	0.19%	4.87%	4.61%	0.17%	4.78%	0.20%	4.98%	0.11%	4.98%	11.50%
339	Dalworthington Gardens	26	26	10.18%	11.18%	21.36%	0.12%	21.48%	11.57%	9.42%	20.99%	0.13%	21.12%	-0.36%	21.12%	NO MAX
340	Danbury	10	9	4.58%	1.57%	6.15%	0.17%	6.32%	4.66%	1.08%	5.74%	0.19%	5.93%	-0.39%	5.93%	NO MAX
341	Darrouzett	2	3	2.42%	-0.45%	1.97%	0.07%	2.04%	2.87%	1.26%	4.13%	0.34%	4.47%	2.43%	4.47%	NO MAX
344	Dayton	90	97	5.60%	1.68%	7.28%	0.18%	7.46%	5.74%	1.25%	6.99%	0.16%	7.15%	-0.31%	7.15%	13.50%
352	De Leon	12	11	1.34%	0.18%	1.52%	0.19%	1.71%	1.67%	0.09%	1.76%	0.28%	2.04%	0.33%		7.50%
10366	DeSoto	349	341	9.33%	1.60%	10.93%	0.17%	11.10%	9.35%	1.59%	10.94%	0.19%		0.03%		NO MAX
346	Decatur	110	114	10.77%	3.88%	14.65%	0.25%	14.90%	10.73%	3.57%	14.30%	0.25%		-0.35%		NO MAX
348	Deer Park	305	305	10.30%	3.80%	14.10%	0.18%	14.28%	10.30%	3.48%	13.78%	0.20%	13.98%	-0.30%		
350	Dekalb	15	14	3.61%	-0.58%	3.03%	0.19%	3.22%	3.67%	-1.24%	2.43%	0.20%	2.63%	-0.59%	2.63%	9.50%
354	Del Rio	472	477	3.68%	3.76%	7.44%	0.13%	7.65%	3.69%	3.76%	7.45%	0.22%	7.67%	0.02%		
353	Dell City	3	2	5.24%	5.11%	10.35%	0.13%	10.48%	5.42%	3.75%	9.17%	0.20%	9.37%			

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			ibuting	\A.		19 RATES	D DUACE IN		1.8.1		20 RATES	DUACE			CDAND	NAAV
		ivien	nbers		ITHOUT MA		K PHASE-IN			ITHOUT MA		R PHASE-IN		CDAND	GRAND	MAX
CITY (T 1116		REMENT PLA	AIN	CLIBBI	CDAND		REMENT PLA	<u>AIN</u>	CLIDDI	CDAND	GRAND	TOTAL	RATE
CITY	CITYALANAE	LAST	THIS	NORMAL	PRIOR	TOTAL	SUPPL	GRAND	NORMAL	PRIOR	TOTAL	SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
356	Denison	216	228	8.43%	3.74%	12.17%	0.00%	12.17%	8.36%	3.80%	12.16%	0.00%	12.16%	-0.01%	12.16%	NO MAX
358	Denton	1,246	1,265	10.00%	7.00%	17.00%	0.18%	17.18%	10.03%	7.26%	17.29%	0.17%	17.46%	0.28%	17.46%	NO MAX
360	Denver City	26	24	6.54%	4.76%	11.30%	0.28%	11.58%	6.59%	4.58%	11.17%	0.24%	11.41%	-0.17%	11.41%	NO MAX
362	Deport	4	3	2.17%	1.01%	3.18%	0.46%	3.64%	1.60%	0.28%	1.88%	0.14%	2.02%	-1.62%	2.02%	NO MAX
370	Devine	40	45	5.90%	10.51%	16.41%	0.16%	16.57%	5.99%	10.63%	16.62%	0.16%	16.78%	0.21%	16.78%	NO MAX
371	Diboll	40	39	9.84%	4.20%	14.04%	0.20%	14.24%	10.01%	4.66%	14.67%	0.19%	14.86%	0.62%	14.86%	NO MAX
372	Dickens	2	2	3.43%	-0.92%	2.51%	0.18%	2.69%	2.82%	-0.85%	1.97%	0.07%	2.04%	-0.65%	2.04%	NO MAX
373	Dickinson	103	92	7.77%	1.69%	9.46%	0.18%	9.64%	7.67%	1.82%	9.49%	0.19%	9.68%	0.04%	9.68%	13.50%
374	Dilley	33	37	6.90%	3.35%	10.25%	0.23%	10.48%	6.91%	3.23%	10.14%	0.18%	10.32%	-0.16%	10.32%	12.50%
376	Dimmitt	32	28	7.33%	-3.61%	3.72%	0.00%	3.72%	7.39%	-3.37%	4.02%	0.00%	4.02%	0.30%	4.02%	12.50%
382	Donna	131	138	7.41%	3.80%	11.21%	0.00%	11.21%	7.49%	3.57%	11.06%	0.00%	11.06%	-0.15%	11.06%	13.50%
379	Double Oak	11	11	5.98%	0.67%	6.65%	0.19%	6.84%	6.49%	0.56%	7.05%	0.33%	7.38%	0.54%	7.38%	NO MAX
383	Dripping Springs	21	24	5.37%	0.99%	6.36%	0.10%	6.46%	5.22%	0.75%	5.97%	0.11%	6.08%	-0.38%	6.08%	NO MAX
385	Driscoll	8	7	1.89%	0.04%	1.93%	0.11%	2.04%	1.95%	0.00%	1.95%	0.29%	2.24%	0.20%	2.24%	NO MAX
384	Dublin	39	43	9.18%	3.25%	12.43%	0.19%	12.62%	9.35%	3.08%	12.43%	0.21%	12.64%	0.02%	12.64%	NO MAX
386	Dumas	113	111	4.89%	0.64%	5.53%	0.20%	5.73%	4.88%	0.68%	5.56%	0.20%	5.76%	0.03%	5.76%	9.50%
388	Duncanville	257	257	5.69%	1.96%	7.65%	0.00%	7.65%	5.66%	2.01%	7.67%	0.00%	7.67%	0.02%	7.67%	NO MAX
394	Eagle Lake	26	24	7.05%	2.26%	9.31%	0.25%	9.56%	7.36%	1.54%	8.90%	0.31%	9.21%	-0.35%	9.21%	12.50%
396	Eagle Pass	412	412	6.89%	1.51%	8.40%	0.22%	8.62%	6.84%	1.70%	8.54%	0.21%	8.75%	0.13%	8.75%	11.50%
397	Early	27	27	3.86%	-0.38%	3.48%	0.17%	3.65%	3.78%	-0.56%	3.22%	0.14%	3.36%	-0.29%	3.36%	9.50%
399	Earth	7	5	1.85%	3.21%	5.06%	0.27%	5.33%	2.15%	2.94%	5.09%	0.38%	5.47%	0.14%	5.47%	NO MAX
393	East Bernard	4	5	3.63%	1.74%	5.37%	0.19%	5.56%	3.46%	1.56%	5.02%	0.19%	5.21%	-0.35%	5.21%	NO MAX
401	East Mountain	1	1	13.01%	-1.31%	11.70%	0.28%	11.98%	13.89%	-0.81%	13.08%	0.28%	13.36%	1.38%	13.36%	NO MAX
395	East Tawakoni	9	9	5.85%	0.04%	5.89%	0.23%	6.12%	5.90%	-0.63%	5.27%	0.23%	5.50%	-0.62%	5.50%	NO MAX
398	Eastland	40	40	7.27%	1.85%	9.12%	0.32%	9.44%	7.13%	1.85%	8.98%	0.31%	9.29%	-0.15%	9.29%	11.50%
402	Ector	4	4	2.24%	-0.24%	2.00%	0.37%	2.37%	2.23%	-0.29%	1.94%	0.40%	2.34%	-0.03%	2.34%	
406	Eden	9	9	3.31%	-0.45%	2.86%	0.30%	3.16%	3.36%	-0.42%	2.94%	0.34%	3.28%	0.12%	3.28%	7.50%
408	Edgewood	11	11	1.84%	1.19%	3.03%	0.29%	3.32%	1.84%	0.85%	2.69%	0.32%	3.01%	-0.31%	3.01%	NO MAX
410	Edinburg	818	792	8.40%	5.84%	14.24%	0.15%	14.39%	8.67%	5.65%	14.32%	0.15%	14.47%	0.08%	14.47%	NO MAX
412	Edna	36	36	5.86%	4.95%	10.81%	0.27%	11.08%	5.86%	4.81%	10.67%	0.29%	10.96%	-0.12%	10.96%	NO MAX
414	El Campo	106	109	6.17%	4.43%	10.60%	0.19%	10.79%	6.19%	4.35%	10.54%	0.20%	10.74%	-0.05%	10.74%	NO MAX
416	Eldorado	20	21	4.88%	2.33%	7.21%	0.33%	7.54%	5.05%	2.16%	7.21%	0.36%	7.57%	0.03%	7.57%	10.50%
418	Electra	27	26	1.69%	0.55%	2.24%	0.29%	2.53%	1.60%	0.75%	2.35%	0.29%	2.64%	0.11%	2.64%	7.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			buting			19 RATES					20 RATES					
		Men	nbers		ITHOUT MA		R PHASE-IN			ITHOUT MA		R PHASE-IN			GRAND	MAX
					REMENT PLA	<u>N</u>				REMENT PLA	<u>N</u>			GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
420	Elgin	81	84	9.78%	4.18%	13.96%	0.27%	14.23%	9.79%	3.97%	13.76%	0.27%	14.03%	-0.20%	14.03%	NO MAX
422	Elkhart	6	7	3.53%	1.51%	5.04%	0.00%	5.04%	3.40%	1.83%	5.23%	0.00%	5.23%	0.19%	5.23%	NO MAX
427	Elmendorf	13	16	1.38%	0.07%	1.45%	0.10%	1.55%	1.49%	0.09%	1.58%	0.11%	1.69%	0.14%	1.69%	NO MAX
432	Emory	21	24	6.42%	0.10%	6.52%	0.21%	6.73%	6.52%	0.22%	6.74%	0.20%	6.94%	0.21%	6.94%	13.50%
436	Ennis	197	193	11.79%	5.11%	16.90%	0.18%	17.08%	11.77%	4.94%	16.71%	0.18%	16.89%	-0.19%	16.89%	NO MAX
439	Euless	384	382	11.17%	6.34%	17.51%	0.00%	17.51%	11.15%	6.55%	17.70%	0.00%	17.70%	0.19%	17.70%	NO MAX
440	Eustace	7	7	5.15%	3.82%	8.97%	0.20%	9.17%	5.80%	4.83%	10.63%	0.24%	10.87%	1.70%	10.87%	13.50%
441	Everman	50	48	7.53%	2.03%	9.56%	0.31%	9.87%	7.20%	2.19%	9.39%	0.31%	9.70%	-0.17%	9.70%	11.50%
443	Fair Oaks Ranch	54	62	10.37%	1.35%	11.72%	0.14%	11.86%	10.38%	1.33%	11.71%	0.14%	11.85%	-0.01%	11.85%	13.50%
442	Fairfield	35	31	8.28%	-0.19%	8.09%	0.27%	8.36%	8.03%	-0.86%	7.17%	0.27%	7.44%	-0.92%	7.44%	13.50%
445	Fairview	68	71	9.30%	1.36%	10.66%	0.16%	10.82%	9.42%	1.35%	10.77%	0.17%	10.94%	0.12%	10.94%	NO MAX
20444	Falfurrias	45	42	2.61%	0.70%	3.31%	0.23%	3.54%	2.52%	0.81%	3.33%	0.22%	3.55%	0.01%	3.55%	9.50%
446	Falls City	4	4	4.87%	2.76%	7.63%	0.17%	7.80%	5.18%	2.67%	7.85%	0.21%	8.06%	0.26%	8.06%	NO MAX
448	Farmers Branch	398	398	10.03%	8.46%	18.49%	0.13%	18.62%	10.07%	8.93%	19.00%	0.14%	19.14%	0.52%	19.14%	NO MAX
450	Farmersville	35	33	6.94%	1.63%	8.57%	0.23%	8.80%	6.94%	1.80%	8.74%	0.23%	8.97%	0.17%	8.97%	NO MAX
451	Farwell	7	7	11.30%	3.02%	14.32%	0.14%	14.46%	11.29%	3.95%	15.24%	0.16%	15.40%	0.94%	15.40%	NO MAX
452	Fate	47	46	9.39%	0.51%	9.90%	0.11%	10.01%	10.46%	0.28%	10.74%	0.11%	10.85%	0.84%	10.85%	NO MAX
454	Fayetteville	4	4	1.99%	0.98%	2.97%	0.00%	2.97%	2.02%	1.20%	3.22%	0.00%	3.22%	0.25%	3.22%	NO MAX
456	Ferris	39	42	4.92%	0.39%	5.31%	0.19%	5.50%	5.02%	0.43%	5.45%	0.20%	5.65%	0.15%	5.65%	9.50%
458	Flatonia	19	20	10.30%	5.36%	15.66%	0.23%	15.89%	10.17%	5.77%	15.94%	0.19%	16.13%	0.24%	16.13%	NO MAX
460	Florence	10	11	4.50%	-0.25%	4.25%	0.14%	4.39%	4.82%	-0.48%	4.34%	0.18%	4.52%	0.13%	4.52%	NO MAX
20462	Floresville	65	64	6.66%	3.89%	10.55%	0.00%	10.55%	6.57%	3.69%	10.26%	0.00%	10.26%	-0.29%	10.26%	11.50%
463	Flower Mound	583	586	8.00%	2.67%	10.67%	0.13%	10.80%	7.90%	2.87%	10.77%	0.14%	10.91%	0.11%	10.91%	13.50%
464	Floydada	21	21	6.95%	3.14%	10.09%	0.23%	10.32%	6.63%	3.37%	10.00%	0.26%	10.26%	-0.06%	10.26%	NO MAX
468	Forest Hill	83	85	10.13%	3.22%	13.35%	0.14%	13.49%	9.83%	2.99%	12.82%	0.14%	12.96%	-0.53%	12.96%	13.50%
470	Forney	143	153	11.11%	2.36%	13.47%	0.13%	13.60%	11.26%	2.54%	13.80%	0.13%	13.93%	0.33%	13.93%	NO MAX
472	Fort Stockton	120	126	6.32%	3.65%	9.97%	0.29%	10.26%	6.36%	3.28%	9.64%	0.27%	9.91%	-0.35%	9.91%	11.50%
476	Franklin	14	12	3.80%	-0.56%	3.24%	0.00%	3.24%	3.74%	-0.63%	3.11%	0.00%	3.11%	-0.13%	3.11%	11.50%
478	Frankston	12	13	1.68%	-0.22%	1.46%	0.18%	1.64%	1.66%	-0.21%	1.45%	0.18%	1.63%	-0.01%	1.63%	NO MAX
480	Fredericksburg	169	160	6.89%	4.79%	11.68%	0.23%	11.91%	6.91%	5.15%	12.06%	0.23%	12.29%	0.38%	12.29%	NO MAX
482	Freeport	120	120	8.50%	5.15%	13.65%	0.15%	13.80%	9.06%	5.24%	14.30%	0.17%	14.47%	0.67%	14.47%	NO MAX
481	Freer	16	18	3.65%	3.40%	7.05%	0.34%	7.39%	3.53%	3.47%	7.00%	0.37%	7.37%	-0.02%	7.37%	NO MAX
483	Friendswood	210	208	10.93%	4.76%	15.69%	0.21%	15.90%	10.94%	4.90%	15.84%	0.19%	16.03%	0.13%	16.03%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			ibuting			019 RATES					20 RATES					
		Mer	nbers		ITHOUT MA		R PHASE-IN	l		ITHOUT MA		R PHASE-IN		CDAND	GRAND	MAX
CITY		LAST	THIS	NORMAL	PRIOR	AIN	SUPPL	GRAND	NORMAL	PRIOR	AIN	SUPPL	GRAND	GRAND TOTAL	TOTAL WITH	RATE (RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
																·
484	Friona	22	23	6.34%	2.79%	9.13%	0.18%	9.31%	6.20%	2.86%	9.06%	0.18%	9.24%	-0.07%	9.24%	NO MAX
486	Frisco	1,129	1,205	11.25%	2.96%	14.21%	0.13%	14.34%	11.16%	2.91%	14.07%	0.13%	14.20%	-0.14%		NO MAX
487	Fritch	21	19	8.17%	-5.29%	2.88%	0.17%	3.05%	7.35%	-5.57%	1.78%	0.15%	1.93%	-1.12%		13.50%
488	Frost	3	3	3.37%	2.21%	5.58%	0.00%	5.58%	3.37%	3.61%	6.98%	0.00%	6.98%	1.40%		7.50%
491	Fulshear	49	46	7.17%	0.76%	7.93%	0.13%	8.06%	7.17%	0.52%	7.69%	0.14%	7.83%	-0.23%	7.83%	NO MAX
493	Fulton	6	5	7.03%	12.12%	19.15%	0.27%	19.42%	6.82%	15.77%	22.59%	0.27%	22.86%	3.44%	22.86%	NO MAX
492	Gainesville	211	219	5.53%	6.55%	12.08%	0.21%	12.29%	5.45%	6.72%	12.17%	0.19%	12.36%	0.07%	12.36%	NO MAX
494	Galena Park	73	82	9.24%	3.08%	12.32%	0.22%	12.54%	9.07%	3.07%	12.14%	0.21%	12.35%	-0.19%	12.35%	NO MAX
498	Ganado	10	10	11.89%	1.70%	13.59%	0.42%	14.01%	12.00%	1.16%	13.16%	0.44%	13.60%	-0.41%	13.60%	NO MAX
499	Garden Ridge	29	27	6.20%	1.56%	7.76%	0.19%	7.95%	5.94%	1.45%	7.39%	0.23%	7.62%	-0.33%	7.62%	11.50%
500	Garland	2,005	2,037	8.52%	2.27%	10.79%	0.21%	11.00%	8.51%	2.52%	11.03%	0.21%	11.24%	0.24%	11.24%	NO MAX
502	Garrison	7	8	10.73%	8.01%	18.74%	0.14%	18.88%	11.07%	5.43%	16.50%	0.14%	16.64%	-2.24%	16.64%	NO MAX
503	Gary	4	4	3.76%	3.34%	7.10%	0.00%	7.10%	3.78%	3.44%	7.22%	0.00%	7.22%	0.12%	7.22%	7.50%
504	Gatesville	74	77	9.55%	5.50%	15.05%	0.23%	15.28%	9.29%	5.59%	14.88%	0.23%	15.11%	-0.17%	15.11%	NO MAX
505	George West	28	32	4.37%	1.79%	6.16%	0.17%	6.33%	4.42%	1.37%	5.79%	0.19%	5.98%	-0.35%	5.98%	NO MAX
506	Georgetown	653	685	9.08%	3.15%	12.23%	0.13%	12.36%	9.08%	3.05%	12.13%	0.13%	12.26%	-0.10%	12.26%	13.50%
510	Giddings	65	68	9.02%	9.81%	18.83%	0.28%	19.11%	9.18%	9.01%	18.19%	0.28%	18.47%	-0.64%	18.47%	NO MAX
512	Gilmer	49	51	8.60%	5.06%	13.66%	0.23%	13.89%	8.68%	4.66%	13.34%	0.22%	13.56%	-0.33%	13.56%	NO MAX
514	Gladewater	55	57	7.09%	1.11%	8.20%	0.19%	8.39%	7.23%	1.39%	8.62%	0.20%	8.82%	0.43%	8.82%	11.50%
516	Glen Rose	29	25	11.69%	2.88%	14.57%	0.31%	14.88%	11.62%	2.98%	14.60%	0.27%	14.87%	-0.01%	14.87%	NO MAX
517	Glenn Heights	73	79	4.88%	-1.94%	2.94%	0.14%	3.08%	4.84%	-1.97%	2.87%	0.14%	3.01%	-0.07%	3.01%	12.50%
518	Godley	11	11	1.68%	0.85%	2.53%	0.18%	2.71%	1.69%	0.94%	2.63%	0.19%	2.82%	0.11%	2.82%	8.50%
519	Goldsmith	4	4	1.67%	1.95%	3.62%	0.41%	4.03%	1.63%	1.57%	3.20%	0.43%	3.63%	-0.40%	3.63%	7.50%
520	Goldthwaite	11	11	10.37%	11.88%	22.25%	0.26%	22.51%	10.37%	13.13%	23.50%	0.26%	23.76%	1.25%	23.76%	NO MAX
522	Goliad	15	14	6.92%	-2.59%	4.33%	0.23%	4.56%	7.00%	-2.01%	4.99%	0.26%	5.25%	0.69%	5.25%	NO MAX
524	Gonzales	106	99	6.28%	4.40%	10.68%	0.23%	10.91%	6.28%	4.17%	10.45%	0.26%	10.71%	-0.20%	10.71%	NO MAX
527	Gordon	N/A	3	1.59%	0.94%	2.53%	0.11%	2.64%	1.83%	0.90%	2.73%	0.11%	2.84%	0.20%	2.84%	NO MAX
530	Gorman	7	7	1.75%	6.80%	8.55%	0.14%	8.69%	2.06%	7.11%	9.17%	0.44%	9.61%	0.92%	9.61%	NO MAX
532	Graford	3	3	2.09%	0.79%	2.88%	0.24%	3.12%	2.07%	0.80%	2.87%	0.27%	3.14%	0.02%	3.14%	NO MAX
10534	Graham	84	88	6.92%	3.52%	10.44%	0.32%	10.76%	6.85%	3.50%	10.35%	0.31%	10.66%	-0.10%	10.66%	NO MAX
536	Granbury	157	165	10.03%	5.94%	15.97%	0.23%	16.20%	9.99%	5.68%	15.67%	0.21%	15.88%	-0.32%	15.88%	NO MAX
540	Grand Prairie	1,313	1,337	10.71%	6.16%	16.87%	0.18%	17.05%	10.67%	6.16%	16.83%	0.17%	17.00%	-0.05%	17.00%	NO MAX
542	Grand Saline	22	25	7.38%	1.04%	8.42%	0.30%	8.72%	7.09%	0.24%	7.33%	0.24%	7.57%	-1.15%	7.57%	11.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			buting			19 RATES					20 RATES					
		Men	nbers		ITHOUT MA		R PHASE-IN			ITHOUT MA		R PHASE-IN			GRAND	MAX
CITY (LACT	THIC		REMENT PLA	AN	CLIBBI	CDAND		REMENT PLA	AN	CLIDDI	CDAND	GRAND	TOTAL	RATE
CITY	CITYALANAS	LAST	THIS	NORMAL	PRIOR	TOTAL	SUPPL	GRAND	NORMAL	PRIOR	TOTAL	SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
544	Grandview	16	16	7.29%	-1.10%	6.19%	0.00%	6.19%	7.22%	-0.72%	6.50%	0.00%	6.50%	0.31%	6.50%	11.50%
546	Granger	9	10	2.17%	-1.52%	0.65%	0.00%	0.65%	2.29%	-1.47%	0.82%	0.00%	0.82%	0.17%	0.82%	7.50%
547	Granite Shoals	31	32	4.62%	0.39%	5.01%	0.26%	5.27%	4.65%	0.15%	4.80%	0.24%	5.04%	-0.23%		NO MAX
548	Grapeland	8	7	3.51%	0.21%	3.72%	0.00%	3.72%	3.77%	0.33%	4.10%	0.00%	4.10%	0.38%		7.50%
550	Grapevine	575	586	11.44%	7.14%	18.58%	0.00%	18.58%	11.48%	7.05%	18.53%	0.00%	18.53%	-0.05%	18.53%	NO MAX
552	Greenville	320	321	7.43%	3.37%	10.80%	0.26%	11.06%	7.27%	3.73%	11.00%	0.25%	11.25%	0.19%	11.25%	NO MAX
551	Gregory	9	12	6.23%	-2.14%	4.09%	0.25%	4.34%	6.37%	-2.41%	3.96%	0.27%	4.23%	-0.11%	4.23%	9.50%
553	Grey Forest	39	38	9.47%	5.91%	15.38%	0.22%	15.60%	9.43%	6.33%	15.76%	0.20%	15.96%	0.36%	15.96%	NO MAX
556	Groesbeck	30	30	1.33%	1.17%	2.50%	0.22%	2.72%	1.30%	1.20%	2.50%	0.23%	2.73%	0.01%	2.73%	NO MAX
558	Groom	4	5	3.28%	-0.38%	2.90%	0.00%	2.90%	3.02%	-0.31%	2.71%	0.00%	2.71%	-0.19%	2.71%	7.50%
559	Groves	97	101	7.28%	2.04%	9.32%	0.00%	9.32%	6.87%	2.26%	9.13%	0.00%	9.13%	-0.19%	9.13%	NO MAX
560	Groveton	11	11	2.11%	-0.12%	1.99%	0.37%	2.36%	2.12%	-0.09%	2.03%	0.39%	2.42%	0.06%	2.42%	7.50%
562	Gruver	5	5	7.50%	5.44%	12.94%	0.00%	12.94%	7.74%	6.75%	14.49%	0.00%	14.49%	1.55%	14.01%	12.50%
563	Gun Barrel City	39	39	5.42%	-0.32%	5.10%	0.19%	5.29%	5.53%	-0.83%	4.70%	0.20%	4.90%	-0.39%	4.90%	11.50%
564	Gunter	8	9	5.38%	-1.42%	3.96%	0.17%	4.13%	5.37%	-1.23%	4.14%	0.17%	4.31%	0.18%	4.31%	NO MAX
568	Hale Center	11	11	1.90%	0.06%	1.96%	0.23%	2.19%	1.91%	0.07%	1.98%	0.25%	2.23%	0.04%	2.23%	NO MAX
570	Hallettsville	34	35	6.88%	4.89%	11.77%	0.27%	12.04%	6.89%	4.95%	11.84%	0.28%	12.12%	0.08%	12.12%	NO MAX
572	Hallsville	17	20	1.58%	1.44%	3.02%	0.22%	3.24%	1.79%	1.14%	2.93%	0.23%	3.16%	-0.08%	3.16%	NO MAX
574	Haltom City	259	254	10.56%	8.28%	18.84%	0.18%	19.02%	10.62%	8.43%	19.05%	0.19%	19.24%	0.22%	19.24%	NO MAX
576	Hamilton	27	30	11.46%	6.42%	17.88%	0.26%	18.14%	9.85%	5.25%	15.10%	0.27%	15.37%	-2.77%	15.37%	NO MAX
578	Hamlin	15	15	7.87%	6.06%	13.93%	0.33%	14.26%	7.80%	3.89%	11.69%	0.30%	11.99%	-2.27%	11.99%	NO MAX
580	Нарру	2	2	8.36%	-0.03%	8.33%	0.37%	8.70%	8.36%	-0.21%	8.15%	0.40%	8.55%	-0.15%	8.55%	NO MAX
581	Harker Heights	215	213	10.03%	4.86%	14.89%	0.14%	15.03%	9.97%	4.80%	14.77%	0.15%	14.92%	-0.11%	14.92%	NO MAX
10582	Harlingen	179	167	4.96%	5.53%	10.49%	0.35%	10.84%	4.97%	6.69%	11.66%	0.37%	12.03%	1.19%	12.03%	15.50%
20582	Harlingen Waterworks Sys	135	135	1.99%	-0.12%	1.87%	0.26%	2.13%	2.02%	-0.10%	1.92%	0.26%	2.18%	0.05%	2.18%	9.50%
583	Hart	5	5	1.12%	2.81%	3.93%	0.00%	3.93%	1.12%	2.85%	3.97%	0.00%	3.97%	0.04%	3.97%	NO MAX
586	Haskell	19	18	1.74%	-1.74%	0.00%	0.19%	0.19%	2.01%	-2.01%	0.00%	0.19%	0.19%	0.00%	0.19%	9.50%
587	Haslet	24	25	8.91%	-0.12%	8.79%	0.18%	8.97%	8.82%	-0.19%	8.63%	0.20%	8.83%	-0.14%		15.50%
588	Hawkins	10	8	8.65%	6.14%	14.79%	0.22%	15.01%	8.74%	-2.68%	6.06%	0.21%	6.27%	-8.74%		NO MAX
585	Hays	1	1	10.07%	-6.87%	3.20%	0.64%	3.84%	10.08%	-1.65%	8.43%	0.34%	8.77%	4.93%		NO MAX
590	Hearne	56	53	9.04%	6.04%	15.08%	0.23%	15.31%	9.12%	5.86%	14.98%	0.27%	15.25%	-0.06%	15.25%	NO MAX
591	Heath	49	49	9.55%	1.59%	11.14%	0.20%	11.34%	9.69%	1.86%	11.55%	0.20%	11.75%	0.41%		13.50%
592	Hedley	2	1	4.72%	-0.60%	4.12%	0.38%	4.50%	5.44%	-2.99%	2.45%	0.74%	3.19%			

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			buting			019 RATES	D DUACE IN		144	20 ITHOUT MA	20 RATES	DUACE IN			CDAND	NAAV
		ivien	nbers		<u>/ITHOUT MA</u> REMENT PL/		K PHASE-IN			REMENT PLA		R PHASE-IN		GRAND	GRAND TOTAL	MAX RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
595	Hedwig Village	29	29	4.97%	2.25%	7.22%	0.25%	7.47%	4.99%	2.34%	7.33%	0.25%	7.58%	0.11%	7.58%	NO MAX
593	Helotes	72	70	5.24%	1.48%	6.72%	0.13%	6.85%	5.14%	1.43%	6.57%	0.13%	6.70%	-0.15%	6.70%	12.50%
594	Hemphill	24	24	4.90%	2.88%	7.78%	0.38%	8.16%	4.60%	2.73%	7.33%	0.35%	7.68%	-0.48%	7.68%	11.50%
596	Hempstead	76	70	6.35%	1.55%	7.90%	0.23%	8.13%	6.28%	1.50%	7.78%	0.25%	8.03%	-0.10%	8.03%	NO MAX
598	Henderson	121	122	9.29%	7.11%	16.40%	0.16%	16.56%	9.49%	6.62%	16.11%	0.16%	16.27%	-0.29%	16.27%	NO MAX
600	Henrietta	17	17	9.94%	4.86%	14.80%	0.24%	15.04%	9.96%	4.78%	14.74%	0.24%	14.98%	-0.06%	14.98%	NO MAX
602	Hereford	94	92	6.53%	4.03%	10.56%	0.22%	10.78%	6.50%	3.84%	10.34%	0.24%	10.58%	-0.20%	10.58%	11.50%
605	Hewitt	91	91	10.88%	4.88%	15.76%	0.12%	15.88%	10.51%	4.97%	15.48%	0.12%	15.60%	-0.28%	15.60%	NO MAX
609	Hickory Creek	21	19	10.16%	1.91%	12.07%	0.09%	12.16%	10.05%	1.90%	11.95%	0.11%	12.06%	-0.10%	12.06%	13.50%
606	Hico	13	14	8.17%	0.13%	8.30%	0.25%	8.55%	7.89%	0.41%	8.30%	0.19%	8.49%	-0.06%	8.49%	13.50%
607	Hidalgo	150	148	9.62%	3.11%	12.73%	0.00%	12.73%	9.46%	3.20%	12.66%	0.00%	12.66%	-0.07%	12.66%	13.50%
608	Higgins	3	2	4.03%	-0.57%	3.46%	0.25%	3.71%	4.71%	-0.64%	4.07%	0.39%	4.46%	0.75%	4.46%	NO MAX
610	Highland Park	118	120	6.31%	-0.90%	5.41%	0.00%	5.41%	6.28%	-0.64%	5.64%	0.00%	5.64%	0.23%	5.64%	NO MAX
611	Highland Village	153	150	10.51%	2.84%	13.35%	0.15%	13.50%	10.47%	2.84%	13.31%	0.15%	13.46%	-0.04%	13.46%	NO MAX
613	Hill Country Village	15	15	4.24%	-0.53%	3.71%	0.14%	3.85%	4.21%	-0.42%	3.79%	0.14%	3.93%	0.08%	3.93%	11.50%
612	Hillsboro	98	105	6.10%	4.95%	11.05%	0.00%	11.05%	6.17%	5.11%	11.28%	0.00%	11.28%	0.23%	11.28%	NO MAX
619	Hilshire Village	2	2	5.76%	7.23%	12.99%	0.22%	13.21%	5.62%	5.36%	10.98%	0.24%	11.22%	-1.99%	11.22%	NO MAX
614	Hitchcock	51	41	3.98%	0.25%	4.23%	0.25%	4.48%	4.12%	0.06%	4.18%	0.23%	4.41%	-0.07%	4.41%	11.50%
615	Holland	7	8	6.00%	2.00%	8.00%	0.48%	8.48%	6.06%	1.02%	7.08%	0.54%	7.62%	-0.86%	7.62%	10.50%
616	Holliday	10	9	2.80%	-0.08%	2.72%	0.00%	2.72%	2.87%	-0.23%	2.64%	0.00%	2.64%	-0.08%	2.64%	9.50%
617	Hollywood Park	38	38	6.79%	2.01%	8.80%	0.17%	8.97%	6.77%	2.04%	8.81%	0.20%	9.01%	0.04%	9.01%	10.50%
618	Hondo	111	109	6.83%	1.55%	8.38%	0.17%	8.55%	6.80%	1.42%	8.22%	0.18%	8.40%	-0.15%	8.40%	11.50%
620	Honey Grove	10	10	6.50%	1.25%	7.75%	0.34%	8.09%	6.85%	0.44%	7.29%	0.34%	7.63%	-0.46%	7.63%	9.50%
622	Hooks	14	14	8.02%	5.47%	13.49%	0.28%	13.77%	7.94%	5.52%	13.46%	0.18%	13.64%	-0.13%	13.64%	13.50%
623	Horizon City	N/A	73	2.75%	3.11%	5.86%	0.07%	5.93%	2.81%	3.08%	5.89%	0.12%	6.01%	0.08%	6.01%	NO MAX
626	Howe	15	16	5.48%	-0.06%	5.42%	0.32%	5.74%	5.59%	-0.34%	5.25%	0.34%	5.59%	-0.15%	5.59%	11.50%
627	Hubbard	12	12	1.37%	-0.58%	0.79%	0.23%	1.02%	1.45%	-0.68%	0.77%	0.26%	1.03%	0.01%	1.03%	NO MAX
628	Hudson	15	15	3.96%	0.40%	4.36%	0.20%	4.56%	3.95%	0.22%	4.17%	0.19%	4.36%	-0.20%	4.36%	NO MAX
629	Hudson Oaks	21	22	9.86%	2.10%	11.96%	0.12%	12.08%	9.84%	2.36%	12.20%	0.13%	12.33%	0.25%	12.33%	13.50%
630	Hughes Springs	12	12	10.43%	-1.35%	9.08%	0.30%	9.38%	10.45%	-1.82%	8.63%	0.33%	8.96%	-0.42%	8.96%	NO MAX
632	Humble	197	200	9.49%	3.94%	13.43%	0.16%	13.59%	9.56%	4.05%	13.61%	0.17%	13.78%	0.19%	13.78%	NO MAX
633	Hunters Creek Village	8	8	9.13%	7.10%	16.23%	0.35%	16.58%	9.07%	8.08%	17.15%	0.36%	17.51%	0.93%	17.22%	NO MAX
634	Huntington	19	20	10.03%	4.09%	14.12%	0.21%	14.33%	9.86%	4.41%	14.27%	0.21%	14.48%	0.15%	14.48%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			ibuting			19 RATES					20 RATES					
		Men	nbers		ITHOUT MA		R PHASE-IN			ITHOUT MA		PHASE-IN			GRAND	MAX
					REMENT PLA	<u>N</u>				REMENT PLA	<u>N</u>			GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
636	Huntsville	244	252	8.19%	10.18%	18.37%	0.21%	18.58%	8.16%	10.42%	18.58%	0.22%	18.80%	0.22%	18.80%	NO MAX
637	Hurst	399	398	7.99%	2.97%	10.96%	0.00%	10.96%	7.96%	3.15%	11.11%	0.00%	11.11%	0.15%	11.11%	NO MAX
638	Hutchins	66	67	7.51%	1.19%	8.70%	0.12%	8.82%	7.63%	1.44%	9.07%	0.13%	9.20%	0.38%	9.20%	11.50%
640	Hutto	111	137	11.90%	0.19%	12.09%	0.12%	12.21%	11.88%	0.16%	12.04%	0.11%	12.15%	-0.06%	12.15%	NO MAX
641	Huxley	10	10	2.99%	-1.73%	1.26%	0.24%	1.50%	3.09%	-2.19%	0.90%	0.26%	1.16%	-0.34%	1.16%	9.50%
642	Idalou	13	14	3.73%	0.62%	4.35%	0.07%	4.42%	3.73%	0.32%	4.05%	0.06%	4.11%	-0.31%	4.11%	NO MAX
643	Ingleside	75	78	7.24%	2.63%	9.87%	0.32%	10.19%	7.23%	1.64%	8.87%	0.31%	9.18%	-1.01%	9.18%	11.50%
646	Ingram	12	12	4.72%	1.02%	5.74%	0.00%	5.74%	4.63%	1.10%	5.73%	0.00%	5.73%	-0.01%	5.73%	9.50%
647	Iowa Colony	8	8	5.03%	14.28%	19.31%	0.45%	19.76%	5.43%	8.72%	14.15%	0.49%	14.64%	-5.12%	14.64%	NO MAX
644	Iowa Park	42	44	6.96%	7.73%	14.69%	0.23%	14.92%	7.09%	7.67%	14.76%	0.23%	14.99%	0.07%	14.99%	NO MAX
645	Iraan	6	6	6.69%	10.31%	17.00%	0.48%	17.48%	6.61%	10.97%	17.58%	0.51%	18.09%	0.61%	18.09%	NO MAX
648	Irving	1,450	1,486	9.53%	4.81%	14.34%	0.18%	14.52%	9.46%	5.00%	14.46%	0.18%	14.64%	0.12%	14.64%	NO MAX
650	Italy	16	18	1.70%	1.39%	3.09%	0.24%	3.33%	1.85%	1.14%	2.99%	0.26%	3.25%	-0.08%	3.25%	NO MAX
652	Itasca	19	19	11.97%	-1.60%	10.37%	0.23%	10.60%	12.06%	-1.36%	10.70%	0.26%	10.96%	0.36%	10.96%	13.50%
654	Jacinto City	56	57	4.63%	3.15%	7.78%	0.32%	8.10%	4.58%	3.39%	7.97%	0.34%	8.31%	0.21%	8.31%	9.50%
656	Jacksboro	40	40	9.88%	4.37%	14.25%	0.22%	14.47%	10.49%	4.43%	14.92%	0.21%	15.13%	0.66%	15.13%	NO MAX
658	Jacksonville	135	127	7.51%	3.25%	10.76%	0.19%	10.95%	7.35%	3.26%	10.61%	0.19%	10.80%	-0.15%	10.80%	NO MAX
660	Jasper	119	117	5.17%	3.77%	8.94%	0.23%	9.17%	5.29%	3.80%	9.09%	0.27%	9.36%	0.19%	9.36%	15.50%
664	Jefferson	19	19	2.27%	-1.05%	1.22%	0.31%	1.53%	2.39%	-1.50%	0.89%	0.34%	1.23%	-0.30%	1.23%	NO MAX
665	Jersey Village	93	92	10.09%	4.64%	14.73%	0.16%	14.89%	10.20%	3.85%	14.05%	0.19%	14.24%	-0.65%	14.24%	NO MAX
666	Jewett	6	5	5.17%	4.15%	9.32%	0.26%	9.58%	4.80%	5.80%	10.60%	0.15%	10.75%	1.17%	10.75%	9.50%
668	Joaquin	5	7	1.92%	2.75%	4.67%	0.44%	5.11%	1.89%	2.67%	4.56%	0.40%	4.96%	-0.15%	4.96%	NO MAX
670	Johnson City	16	15	6.52%	3.57%	10.09%	0.19%	10.28%	6.59%	3.19%	9.78%	0.18%	9.96%	-0.32%	9.96%	10.50%
673	Jones Creek	6	8	3.01%	3.43%	6.44%	0.24%	6.68%	2.90%	3.12%	6.02%	0.21%	6.23%	-0.45%	6.23%	NO MAX
675	Jonestown	26	27	6.29%	0.71%	7.00%	0.20%	7.20%	6.58%	0.74%	7.32%	0.22%	7.54%	0.34%	7.54%	NO MAX
677	Josephine	7	8	5.85%	0.50%	6.35%	0.09%	6.44%	5.92%	0.03%	5.95%	0.09%	6.04%	-0.40%	6.04%	NO MAX
671	Joshua	36	36	5.87%	0.10%	5.97%	0.10%	6.07%	5.97%	-0.27%	5.70%	0.10%	5.80%	-0.27%	5.80%	13.50%
672	Jourdanton	41	39	5.17%	0.87%	6.04%	0.26%	6.30%	5.42%	0.66%	6.08%	0.33%	6.41%	0.11%		9.50%
674	Junction	20	24	10.41%	4.30%	14.71%	0.24%	14.95%	10.31%	4.22%	14.53%	0.24%	14.77%	-0.18%	14.77%	NO MAX
676	Justin	30	32	6.40%	1.26%	7.66%	0.00%	7.66%	6.44%	0.99%	7.43%	0.00%	7.43%	-0.23%	7.43%	13.50%
678	Karnes City	29	28	5.83%	2.96%	8.79%	0.21%	9.00%	5.80%	2.94%	8.74%	0.16%	8.90%	-0.10%	8.90%	NO MAX
680	Katy	200	232	11.23%	2.82%	14.05%	0.17%	14.22%	11.35%	2.27%	13.62%	0.15%	13.77%	-0.45%	13.77%	NO MAX
682	Kaufman	62	55	9.73%	4.19%	13.92%	0.20%	14.12%	9.92%	4.86%	14.78%	0.22%	15.00%	0.88%	15.00%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			buting obers	W	20 ITHOUT MA	019 RATES	R PHASE-IN		W	20 ITHOUT MA	20 RATES	R PHASE-IN	ı		GRAND	MAX
		ivicii	10013		REMENT PLA		KTTIASE III	'		REMENT PLA		VIIIAGE III	•	GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
683	Keene	44	46	8.92%	3.10%	12.02%	0.17%	12.19%	9.20%	2.97%	12.17%	0.17%	12.34%	0.15%	12.34%	NO MAX
681	Keller	287	285	10.19%	5.26%	15.45%	0.14%	15.59%	10.15%	5.68%	15.83%	0.13%	15.96%	0.37%	15.96%	NO MAX
685	Kemah	36	35	6.26%	0.78%	7.04%	0.16%	7.20%	6.42%	0.51%	6.93%	0.18%	7.11%	-0.09%	7.11%	NO MAX
684	Kemp	19	19	5.97%	-0.93%	5.04%	0.00%	5.04%	6.02%	-0.23%	5.79%	0.00%	5.79%	0.75%	5.79%	11.50%
686	Kenedy	43	49	3.13%	1.10%	4.23%	0.20%	4.43%	3.08%	0.85%	3.93%	0.17%	4.10%	-0.33%	4.10%	7.50%
688	Kennedale	72	72	10.82%	3.03%	13.85%	0.25%	14.10%	10.58%	2.99%	13.57%	0.23%	13.80%	-0.30%	13.80%	NO MAX
690	Kerens	11	11	2.06%	6.26%	8.32%	0.20%	8.52%	2.18%	5.97%	8.15%	0.18%	8.33%	-0.19%	8.33%	NO MAX
692	Kermit	52	52	9.19%	6.97%	16.16%	0.26%	16.42%	9.04%	6.67%	15.71%	0.26%	15.97%	-0.45%	15.97%	NO MAX
10694	Kerrville	304	305	7.60%	2.45%	10.05%	0.19%	10.24%	7.61%	2.52%	10.13%	0.19%	10.32%	0.08%	10.32%	15.50%
20694	Kerrville PUB	56	53	8.78%	3.26%	12.04%	0.18%	12.22%	8.74%	3.32%	12.06%	0.17%	12.23%	0.01%	12.23%	NO MAX
10696	Kilgore	155	155	9.86%	4.35%	14.21%	0.24%	14.45%	9.95%	3.83%	13.78%	0.25%	14.03%	-0.42%	14.03%	NO MAX
698	Killeen	947	956	5.78%	5.20%	10.98%	0.17%	11.15%	5.77%	5.50%	11.27%	0.18%	11.45%	0.30%	11.45%	13.50%
700	Kingsville	260	260	6.58%	2.10%	8.68%	0.00%	8.68%	6.58%	2.22%	8.80%	0.00%	8.80%	0.12%	8.80%	NO MAX
701	Kirby	54	59	10.82%	3.83%	14.65%	0.11%	14.76%	11.03%	3.74%	14.77%	0.12%	14.89%	0.13%	14.89%	NO MAX
702	Kirbyville	25	24	3.04%	2.42%	5.46%	0.34%	5.80%	3.19%	2.63%	5.82%	0.38%	6.20%	0.40%	6.20%	7.50%
704	Knox City	8	8	4.11%	-1.53%	2.58%	0.44%	3.02%	3.91%	-1.54%	2.37%	0.45%	2.82%	-0.20%	2.82%	9.50%
706	Kosse	4	4	2.01%	3.17%	5.18%	0.15%	5.33%	2.00%	3.36%	5.36%	0.20%	5.56%	0.23%	5.56%	NO MAX
708	Kountze	24	25	1.30%	0.03%	1.33%	0.17%	1.50%	1.28%	0.10%	1.38%	0.15%	1.53%	0.03%	1.53%	NO MAX
709	Kress	1	1	2.91%	-2.91%	0.00%	0.00%	0.00%	2.91%	-2.91%	0.00%	0.00%	0.00%	0.00%	0.00%	NO MAX
699	Krugerville	10	9	7.71%	0.91%	8.62%	0.12%	8.74%	7.71%	0.46%	8.17%	0.12%	8.29%	-0.45%	8.29%	NO MAX
707	Krum	32	37	6.79%	0.02%	6.81%	0.14%	6.95%	6.57%	0.00%	6.57%	0.14%	6.71%	-0.24%	6.71%	13.50%
710	Kyle	197	200	10.46%	2.03%	12.49%	0.12%	12.61%	10.56%	1.96%	12.52%	0.12%	12.64%	0.03%	12.64%	13.50%
725	La Coste	8	8	2.05%	-0.57%	1.48%	0.00%	1.48%	2.02%	-0.72%	1.30%	0.00%	1.30%	-0.18%	1.30%	7.50%
714	La Feria	53	55	4.97%	6.08%	11.05%	0.22%	11.27%	4.89%	6.34%	11.23%	0.24%	11.47%	0.20%	11.47%	NO MAX
716	La Grange	64	66	9.45%	5.38%	14.83%	0.27%	15.10%	9.32%	4.74%	14.06%	0.28%	14.34%	-0.76%	14.34%	NO MAX
723	La Grulla	27	24	6.55%	-0.91%	5.64%	0.18%	5.82%	6.81%	-1.68%	5.13%	0.19%	5.32%	-0.50%	5.32%	11.50%
732	La Joya	39	36	1.49%	4.72%	6.21%	0.20%	6.41%	1.53%	5.30%	6.83%	0.25%	7.08%	0.67%	7.08%	NO MAX
721	La Marque	117	114	9.95%	4.84%	14.79%	0.17%	14.96%	9.56%	4.36%	13.92%	0.16%	14.08%	-0.88%	14.08%	NO MAX
728	La Porte	373	370	9.30%	6.23%	15.53%	0.17%	15.70%	9.28%	6.10%	15.38%	0.17%	15.55%	-0.15%	15.55%	NO MAX
731	La Vernia	17	21	2.11%	1.17%	3.28%	0.16%	3.44%	2.05%	1.07%	3.12%	0.15%	3.27%	-0.17%	3.27%	NO MAX
711	Lacy-Lakeview	47	50	9.44%	4.92%	14.36%	0.21%	14.57%	9.43%	4.97%	14.40%	0.21%	14.61%	0.04%		NO MAX
712	Ladonia	2	2	9.55%	-5.01%	4.54%	0.49%	5.03%		-4.61%	3.26%	0.37%	3.63%			NO MAX
713	Lago Vista	88	90	6.73%	1.04%	7.77%	0.23%	8.00%	6.80%	1.32%	8.12%	0.24%	8.36%	0.36%	8.36%	12.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			ibuting	14		19 RATES	D. D. LACE IN				20 RATES	DUACE IA			CDAND	NAAV
		ivien	nbers		<u>ITHOUT MA</u> REMENT PLA		K PHASE-IN			ITHOUT MA		R PHASE-IN	V	GRAND	GRAND TOTAL	MAX RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
705	Laguna Vista	17	17	4.80%	-0.25%	4.55%	0.16%	4.71%	4.80%	-0.48%	4.32%	0.17%	4.49%	-0.22%	4.49%	NO MAX
717	Lake Dallas	28	31	9.98%	2.56%	12.54%	0.16%	12.70%	10.43%	2.63%	13.06%	0.18%	13.24%	0.54%	13.24%	13.50%
718	Lake Jackson	216	221	8.23%	3.75%	11.98%	0.21%	12.19%	8.08%	3.96%	12.04%	0.21%	12.25%	0.06%	12.25%	NO MAX
719	Lake Worth	91	97	10.22%	6.69%	16.91%	0.16%	17.07%	10.44%	5.61%	16.05%	0.15%	16.20%	-0.87%	16.20%	NO MAX
727	Lakeport	6	6	3.14%	-3.14%	0.00%	0.10%	0.10%	2.84%	-2.84%	0.00%	0.10%	0.10%	0.00%	0.10%	NO MAX
715	Lakeside	15	16	7.47%	0.66%	8.13%	0.33%	8.46%	7.54%	1.01%	8.55%	0.34%	8.89%	0.43%	8.89%	12.50%
729	Lakeside City	4	5	1.96%	0.51%	2.47%	0.20%	2.67%	2.07%	0.01%	2.08%	0.27%	2.35%	-0.32%	2.35%	NO MAX
720	Lakeway	110	109	10.28%	3.64%	13.92%	0.18%	14.10%	10.12%	3.78%	13.90%	0.17%	14.07%	-0.03%	14.07%	15.50%
722	Lamesa	77	75	5.04%	-0.59%	4.45%	0.00%	4.45%	5.05%	-0.29%	4.76%	0.00%	4.76%	0.31%	4.76%	13.50%
724	Lampasas	114	116	9.62%	5.62%	15.24%	0.19%	15.43%	9.65%	5.90%	15.55%	0.20%	15.75%	0.32%	15.75%	NO MAX
726	Lancaster	247	265	8.53%	4.86%	13.39%	0.13%	13.52%	8.61%	4.84%	13.45%	0.14%	13.59%	0.07%	13.59%	NO MAX
730	Laredo	2,089	2,136	9.99%	10.79%	20.78%	0.21%	20.99%	9.96%	10.81%	20.77%	0.21%	20.98%	-0.01%	20.98%	NO MAX
733	Lavon	18	18	6.13%	0.26%	6.39%	0.16%	6.55%	6.10%	0.41%	6.51%	0.17%	6.68%	0.13%	6.68%	NO MAX
736	League City	508	518	9.35%	5.70%	15.05%	0.17%	15.22%	9.35%	5.37%	14.72%	0.17%	14.89%	-0.33%	14.89%	15.50%
737	Leander	271	289	9.81%	2.42%	12.23%	0.14%	12.37%	9.80%	2.24%	12.04%	0.14%	12.18%	-0.19%	12.18%	13.50%
735	Lefors	3	4	1.61%	2.33%	3.94%	0.07%	4.01%	1.68%	2.37%	4.05%	0.09%	4.14%	0.13%	4.14%	NO MAX
739	Leon Valley	103	107	10.83%	6.06%	16.89%	0.18%	17.07%	10.84%	6.28%	17.12%	0.20%	17.32%	0.25%	17.32%	NO MAX
738	Leonard	14	16	2.32%	-0.39%	1.93%	0.21%	2.14%	1.94%	-0.79%	1.15%	0.17%	1.32%	-0.82%	1.32%	9.50%
740	Levelland	95	90	8.47%	3.22%	11.69%	0.20%	11.89%	8.77%	2.67%	11.44%	0.19%	11.63%	-0.26%	11.63%	NO MAX
742	Lewisville	758	776	10.20%	6.08%	16.28%	0.00%	16.28%	10.25%	6.32%	16.57%	0.00%	16.57%	0.29%	16.57%	NO MAX
744	Lexington	13	11	6.38%	2.17%	8.55%	0.00%	8.55%	6.34%	2.48%	8.82%	0.00%	8.82%	0.27%	8.82%	NO MAX
746	Liberty	94	96	5.49%	12.34%	17.83%	0.00%	17.83%	5.39%	12.09%	17.48%	0.00%	17.48%	-0.35%	17.48%	NO MAX
745	Liberty Hill	22	31	6.78%	0.09%	6.87%	0.21%	7.08%	6.89%	0.19%	7.08%	0.20%	7.28%	0.20%	7.28%	NO MAX
748	Lindale	53	54	8.22%	6.39%	14.61%	0.00%	14.61%	8.32%	6.47%	14.79%	0.00%	14.79%	0.18%	14.79%	NO MAX
750	Linden	15	15	1.89%	-0.66%	1.23%	0.36%	1.59%	1.92%	-0.64%	1.28%	0.30%	1.58%	-0.01%	1.58%	7.50%
755	Lipan	4	4	1.88%	0.58%	2.46%	0.25%	2.71%	1.87%	0.59%	2.46%	0.27%	2.73%	0.02%	2.73%	NO MAX
751	Little Elm	232	245	10.96%	2.22%	13.18%	0.13%	13.31%	11.13%	2.34%	13.47%	0.12%	13.59%	0.28%	13.59%	13.50%
752	Littlefield	57	57	6.34%	2.91%	9.25%	0.26%	9.51%		2.45%	8.93%	0.26%	9.19%			
753	Live Oak	111	109	10.40%	7.55%	17.95%	0.18%	18.13%		7.70%	18.26%	0.19%			18.45%	NO MAX
757	Liverpool	4	5	1.99%	0.69%	2.68%	0.22%	2.90%	1.82%	0.12%	1.94%	0.20%	2.14%	-0.76%	2.14%	NO MAX
754	Livingston	83	79	8.83%	5.98%	14.81%	0.23%	15.04%	8.69%	6.87%	15.56%	0.23%	15.79%	0.75%	15.79%	NO MAX
756	Llano	44	47	7.87%	6.80%	14.67%	0.28%	14.95%		6.95%	14.59%	0.29%	14.88%		14.88%	NO MAX
758	Lockhart	134	136	7.41%	5.59%	13.00%	0.26%	13.26%	7.35%	5.46%	12.81%	0.24%	13.05%	-0.21%	13.05%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			ibuting			19 RATES					20 RATES					
		Men	nbers		ITHOUT MA		R PHASE-IN			ITHOUT MA		R PHASE-IN	ı	004410	GRAND	MAX
CITY (T 1116		REMENT PLA	AN	CLIDDI	CDAND		REMENT PLA	AN	CLIDDI	CDAND	GRAND	TOTAL	RATE
CITY	CITY NAME	LAST	THIS	NORMAL	PRIOR	TOTAL	SUPPL	GRAND	NORMAL	PRIOR	TOTAL	SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
760	Lockney	3	7	2.74%	-2.74%	0.00%	0.52%	0.52%	2.61%	-2.61%	0.00%	0.32%	0.32%	-0.20%	0.32%	7.50%
765	Lone Star	11	11	3.35%	-1.22%	2.13%	0.19%	2.32%	3.18%	-0.64%	2.54%	0.18%	2.72%	0.40%	2.72%	7.50%
766	Longview	663	648	7.21%	3.54%	10.75%	0.21%	10.96%	7.19%	3.67%	10.86%	0.22%	11.08%	0.12%	11.08%	15.50%
768	Loraine	3	2	2.99%	-0.36%	2.63%	0.06%	2.69%	4.08%	-0.69%	3.39%	0.14%	3.53%	0.84%	3.53%	NO MAX
769	Lorena	18	19	9.02%	1.66%	10.68%	0.19%	10.87%	9.04%	1.74%	10.78%	0.20%	10.98%	0.11%	10.98%	12.50%
770	Lorenzo	8	9	5.11%	-3.07%	2.04%	0.00%	2.04%	5.29%	-3.04%	2.25%	0.00%	2.25%	0.21%	2.25%	9.50%
771	Los Fresnos	55	54	4.96%	2.05%	7.01%	0.17%	7.18%	4.98%	2.36%	7.34%	0.19%	7.53%	0.35%	7.53%	11.50%
773	Lott	7	7	1.44%	-0.24%	1.20%	0.09%	1.29%	1.48%	-0.24%	1.24%	0.10%	1.34%	0.05%	1.34%	NO MAX
774	Lovelady	3	3	6.66%	2.29%	8.95%	0.12%	9.07%	6.23%	1.42%	7.65%	0.13%	7.78%	-1.29%	7.78%	NO MAX
778	Lubbock	1,751	1,758	9.91%	7.80%	17.71%	0.00%	17.71%	9.92%	7.65%	17.57%	0.00%	17.57%	-0.14%	17.57%	NO MAX
779	Lucas	37	39	10.64%	2.19%	12.83%	0.12%	12.95%	10.68%	1.82%	12.50%	0.13%	12.63%	-0.32%	12.63%	15.50%
782	Lufkin	366	356	8.50%	7.84%	16.34%	0.23%	16.57%	8.46%	7.71%	16.17%	0.22%	16.39%	-0.18%	16.39%	NO MAX
784	Luling	84	85	5.93%	3.37%	9.30%	0.30%	9.60%	5.81%	2.79%	8.60%	0.30%	8.90%	-0.70%	8.90%	11.50%
785	Lumberton	40	42	10.47%	6.12%	16.59%	0.22%	16.81%	10.48%	5.50%	15.98%	0.23%	16.21%	-0.60%	16.21%	NO MAX
786	Lyford	17	17	1.42%	2.79%	4.21%	0.00%	4.21%	1.31%	2.76%	4.07%	0.00%	4.07%	-0.14%	4.07%	NO MAX
787	Lytle	23	23	6.46%	3.28%	9.74%	0.19%	9.93%	6.30%	3.93%	10.23%	0.20%	10.43%	0.50%	10.43%	11.50%
790	Madisonville	37	38	6.66%	2.51%	9.17%	0.34%	9.51%	6.69%	2.80%	9.49%	0.31%	9.80%	0.29%	9.80%	11.50%
791	Magnolia	31	30	2.06%	-0.39%	1.67%	0.31%	1.98%	2.01%	-0.39%	1.62%	0.34%	1.96%	-0.02%	1.96%	8.50%
792	Malakoff	27	26	6.26%	1.43%	7.69%	0.26%	7.95%	6.16%	1.48%	7.64%	0.25%	7.89%	-0.06%	7.89%	13.50%
796	Manor	67	71	5.63%	3.24%	8.87%	0.11%	8.98%	5.69%	3.42%	9.11%	0.12%	9.23%	0.25%	9.23%	NO MAX
798	Mansfield	490	486	10.84%	4.11%	14.95%	0.15%	15.10%	10.88%	4.51%	15.39%	0.16%	15.55%	0.45%	15.55%	NO MAX
799	Manvel	45	49	6.19%	5.41%	11.60%	0.14%	11.74%	6.02%	4.68%	10.70%	0.11%	10.81%	-0.93%	10.81%	13.50%
800	Marble Falls	106	115	7.51%	1.86%	9.37%	0.19%	9.56%	7.49%	2.27%	9.76%	0.19%	9.95%	0.39%	9.95%	13.50%
802	Marfa	38	39	4.24%	-1.55%	2.69%	0.38%	3.07%	4.25%	-1.04%	3.21%	0.35%	3.56%	0.49%	3.56%	11.50%
804	Marion	11	10	5.70%	-0.50%	5.20%	0.38%	5.58%	5.74%	-2.32%	3.42%	0.43%	3.85%	-1.73%	3.85%	11.50%
806	Marlin	59	54	6.77%	2.14%	8.91%	0.27%	9.18%	6.84%	1.87%	8.71%	0.27%	8.98%	-0.20%	8.98%	11.50%
808	Marquez	N/A	3	2.20%	13.77%	15.97%	0.27%	16.24%	2.21%	16.60%	18.81%	0.25%	19.06%	2.82%	19.06%	NO MAX
810	Marshall	181	185	10.03%	6.14%	16.17%	0.25%	16.42%	9.95%	6.17%	16.12%	0.24%	16.36%	-0.06%	16.36%	NO MAX
812	Mart	13	14	5.35%	-3.72%	1.63%	0.28%	1.91%	5.17%	-3.14%	2.03%	0.25%	2.28%	0.37%	2.28%	9.50%
813	Martindale	3	3	6.01%	7.32%	13.33%	0.17%	13.50%	6.03%	5.99%	12.02%	0.19%	12.21%	-1.29%	12.21%	NO MAX
814	Mason	30	28	4.83%	2.07%	6.90%	0.32%	7.22%	4.69%	1.88%	6.57%	0.34%	6.91%	-0.31%	6.91%	9.50%
816	Matador	4	3	1.62%	4.76%	6.38%	0.26%	6.64%	1.78%	6.18%	7.96%	0.36%	8.32%	1.68%	8.32%	NO MAX
818	Mathis	55	47	5.91%	-1.60%	4.31%	0.27%	4.58%	5.53%	-1.89%	3.64%	0.25%	3.89%	-0.69%	3.89%	13.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			ibuting	- I							20 RATES			00.4315		
		Mer	nbers				R PHASE-IN			ITHOUT MA		R PHASE-IN			GRAND	MAX
					RETIREMENT PLAN					REMENT PLA	<u>N</u>			GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
820	Maud	7	9	1.66%	1.96%	3.62%	0.10%	3.72%	1.88%	1.59%	3.47%	0.18%	3.65%	-0.07%	3.65%	NO MAX
822	Maypearl	5	6	2.46%	0.24%	2.70%	0.29%	2.99%	2.37%	0.32%	2.69%	0.28%	2.97%	-0.02%	2.97%	7.50%
824	McAllen	1,584	1,584	4.85%	2.91%	7.76%	0.00%	7.76%	4.83%	2.98%	7.81%	0.00%	7.81%	0.05%	7.81%	13.50%
826	McCamey	13	12	2.96%	-1.32%	1.64%	0.19%	1.83%	2.82%	-1.15%	1.67%	0.15%	1.82%	-0.01%	1.82%	9.50%
828	McGregor	57	57	8.67%	1.20%	9.87%	0.25%	10.12%	8.65%	1.00%	9.65%	0.28%	9.93%	-0.19%	9.93%	12.50%
830	McKinney	1,030	1,116	11.51%	3.56%	15.07%	0.13%	15.20%	11.51%	3.39%	14.90%	0.13%	15.03%	-0.17%	15.03%	NO MAX
832	McLean	6	6	1.83%	0.35%	2.18%	0.25%	2.43%	2.15%	0.43%	2.58%	0.34%	2.92%	0.49%	2.92%	NO MAX
833	McLendon-Chisholm	2	7	3.14%	5.39%	8.53%	0.79%	9.32%	1.94%	-0.42%	1.52%	0.08%	1.60%	-7.72%	1.60%	NO MAX
834	Meadow	5	6	1.90%	2.66%	4.56%	0.15%	4.71%	1.90%	2.34%	4.24%	0.15%	4.39%	-0.32%	4.39%	NO MAX
831	Meadowlakes	17	19	2.50%	-0.09%	2.41%	0.20%	2.61%	2.47%	-0.09%	2.38%	0.21%	2.59%	-0.02%	2.59%	NO MAX
835	Meadows Place	27	29	6.00%	3.66%	9.66%	0.14%	9.80%	5.86%	3.68%	9.54%	0.14%	9.68%	-0.12%	9.68%	13.50%
837	Melissa	50	54	9.30%	3.80%	13.10%	0.17%	13.27%	9.36%	3.48%	12.84%	0.16%	13.00%	-0.27%	13.00%	NO MAX
1501	Memorial Villages PD	43	43	6.51%	4.52%	11.03%	0.17%	11.20%	6.46%	5.15%	11.61%	0.18%	11.79%	0.59%	11.79%	NO MAX
840	Memphis	20	18	4.84%	-1.32%	3.52%	0.28%	3.80%	4.74%	-1.15%	3.59%	0.25%	3.84%	0.04%	3.84%	NO MAX
842	Menard	9	9	3.49%	-3.49%	0.00%	0.00%	0.00%	3.43%	-3.43%	0.00%	0.00%	0.00%	0.00%	0.00%	NO MAX
844	Mercedes	108	106	10.56%	7.56%	18.12%	0.18%	18.30%	10.83%	7.26%	18.09%	0.19%	18.28%	-0.02%	18.28%	NO MAX
846	Meridian	10	10	4.00%	-0.84%	3.16%	0.11%	3.27%	4.08%	-1.12%	2.96%	0.13%	3.09%	-0.18%	3.09%	11.50%
848	Merkel	16	14	8.09%	3.60%	11.69%	0.14%	11.83%	8.12%	3.38%	11.50%	0.15%	11.65%	-0.18%	11.65%	NO MAX
852	Mertzon	4	5	4.57%	8.64%	13.21%	0.14%	13.35%	4.74%	7.07%	11.81%	0.17%	11.98%	-1.37%	11.98%	NO MAX
854	Mesquite	1,103	1,117	8.13%	8.38%	16.51%	0.00%	16.51%	8.14%	8.48%	16.62%	0.00%	16.62%	0.11%	16.62%	NO MAX
856	Mexia	99	95	9.78%	2.51%	12.29%	0.17%	12.46%	9.86%	2.25%	12.11%	0.21%	12.32%	-0.14%	12.32%	13.50%
858	Miami	3	3	2.78%	11.07%	13.85%	0.40%	14.25%	2.78%	8.68%	11.46%	0.45%	11.91%	-2.34%	11.91%	NO MAX
860	Midland	761	731	8.59%	5.62%	14.21%	0.21%	14.42%	8.61%	5.80%	14.41%	0.22%	14.63%	0.21%	14.63%	NO MAX
862	Midlothian	217	240	11.02%	3.27%	14.29%	0.14%	14.43%	11.39%	3.37%	14.76%	0.14%	14.90%	0.47%	14.90%	NO MAX
863	Milano	1	1	3.73%	7.04%	10.77%	0.57%	11.34%	3.72%	7.77%	11.49%	0.64%	12.13%	0.79%	12.13%	NO MAX
864	Miles	4	3	2.09%	-2.09%	0.00%	0.25%	0.25%	2.43%	-2.43%	0.00%	0.33%	0.33%	0.08%	0.33%	7.50%
865	Milford	6	7	3.39%	5.77%	9.16%	0.17%	9.33%	3.41%	5.02%	8.43%	0.15%	8.58%	-0.75%	8.58%	NO MAX
868	Mineola	50	48	5.23%	-1.05%	4.18%	0.19%	4.37%	5.23%	-0.69%	4.54%	0.17%	4.71%	0.34%		11.50%
870	Mineral Wells	168	164	6.91%	1.92%	8.83%	0.26%	9.09%	6.74%	2.08%	8.82%	0.24%	9.06%	-0.03%	9.06%	11.50%
874	Mission	676	693	6.41%	2.01%	8.42%	0.16%	8.58%	6.45%	2.07%	8.52%	0.15%	8.67%	0.09%	8.67%	12.50%
875	Missouri City	336	346	5.59%	3.34%	8.93%	0.13%	9.06%	5.50%	3.36%	8.86%	0.14%	9.00%	-0.06%	9.00%	15.50%
876	Monahans	62	64	5.34%	2.32%	7.66%	0.25%	7.91%	5.27%	2.09%	7.36%	0.25%	7.61%	-0.30%	7.61%	NO MAX
887	Mont Belvieu	78	96	10.44%	5.40%	15.84%	0.16%	16.00%	9.89%	4.47%	14.36%	0.13%	14.49%	-1.51%	14.49%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			buting 2019 RATES hbers WITHOUT MAXIMUM OR PHASE-IN								20 RATES			CD (1) C	N 4437	
		Men	nbers				R PHASE-IN			ITHOUT MA		R PHASE-IN			GRAND	MAX
				RETIREMENT PLAN					RETI	AN			GRAND	TOTAL	RATE	
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
877	Montgomery	24	23	6.63%	-0.50%	6.13%	0.00%	6.13%	6.82%	-0.77%	6.05%	0.00%	6.05%	-0.08%	6.05%	13.50%
878	Moody	12	12	1.52%	1.90%	3.42%	0.19%	3.61%	1.43%	0.86%	2.29%	0.19%	2.48%	-1.13%	2.48%	7.50%
883	Morgan's Point	11	12	8.97%	0.26%	9.23%	0.12%	9.35%	9.04%	0.98%	10.02%	0.12%	10.14%	0.79%	10.14%	NO MAX
882	Morgan's Point Resort	26	30	9.95%	2.22%	12.17%	0.20%	12.37%	9.74%	2.08%	11.82%	0.17%	11.99%	-0.38%	11.99%	13.50%
884	Morton	9	9	6.49%	-2.18%	4.31%	0.20%	4.51%	6.66%	-2.63%	4.03%	0.22%	4.25%	-0.26%	4.25%	NO MAX
886	Moulton	9	10	4.36%	0.79%	5.15%	0.16%	5.31%	4.60%	0.13%	4.73%	0.21%	4.94%	-0.37%	4.94%	NO MAX
890	Mount Enterprise	2	1	1.78%	0.13%	1.91%	0.12%	2.03%	2.17%	0.29%	2.46%	0.19%	2.65%	0.62%	2.65%	NO MAX
892	Mt. Pleasant	162	160	10.26%	4.83%	15.09%	0.18%	15.27%	10.01%	4.97%	14.98%	0.17%	15.15%	-0.12%	15.15%	NO MAX
894	Mt. Vernon	21	24	8.68%	2.53%	11.21%	0.25%	11.46%	8.77%	2.63%	11.40%	0.26%	11.66%	0.20%	11.66%	13.50%
896	Muenster	13	12	5.15%	-3.73%	1.42%	0.00%	1.42%	5.10%	-3.46%	1.64%	0.00%	1.64%	0.22%	1.64%	11.50%
898	Muleshoe	35	32	9.03%	8.81%	17.84%	0.21%	18.05%	8.81%	10.29%	19.10%	0.22%	19.32%	1.27%	19.32%	NO MAX
901	Munday	7	8	1.44%	2.13%	3.57%	0.15%	3.72%	1.55%	1.83%	3.38%	0.18%	3.56%	-0.16%	3.56%	NO MAX
903	Murphy	116	119	11.68%	2.43%	14.11%	0.13%	14.24%	11.66%	2.32%	13.98%	0.16%	14.14%	-0.10%	14.14%	15.50%
10904	Nacogdoches	303	309	8.35%	6.64%	14.99%	0.20%	15.19%	8.34%	5.81%	14.15%	0.20%	14.35%	-0.84%	14.35%	NO MAX
906	Naples	11	8	3.34%	-1.41%	1.93%	0.22%	2.15%	3.47%	-1.30%	2.17%	0.31%	2.48%	0.33%	2.48%	9.50%
907	Nash	19	20	8.76%	8.87%	17.63%	0.16%	17.79%	8.96%	8.58%	17.54%	0.19%	17.73%	-0.06%	17.73%	NO MAX
905	Nassau Bay	44	40	9.63%	6.03%	15.66%	0.15%	15.81%	9.49%	6.25%	15.74%	0.18%	15.92%	0.11%	15.92%	NO MAX
909	Natalia	12	10	2.11%	1.02%	3.13%	0.21%	3.34%	2.13%	1.04%	3.17%	0.26%	3.43%	0.09%	3.43%	NO MAX
908	Navasota	77	72	5.81%	2.20%	8.01%	0.19%	8.20%	5.87%	1.73%	7.60%	0.22%	7.82%	-0.38%	7.82%	11.50%
910	Nederland	118	120	8.16%	-1.81%	6.35%	0.00%	6.35%	8.14%	-1.67%	6.47%	0.00%	6.47%	0.12%	6.47%	NO MAX
912	Needville	18	18	3.83%	0.36%	4.19%	0.42%	4.61%	3.76%	0.45%	4.21%	0.48%	4.69%	0.08%	4.69%	9.50%
914	New Boston	35	39	3.07%	-1.44%	1.63%	0.23%	1.86%	3.16%	-1.09%	2.07%	0.23%	2.30%	0.44%	2.30%	7.50%
10916	New Braunfels	587	612	11.21%	5.75%	16.96%	0.14%	17.10%	11.22%	5.63%	16.85%	0.15%	17.00%	-0.10%	17.00%	NO MAX
20916	New Braunfels Utilities	272	292	9.87%	7.55%	17.42%	0.16%	17.58%	10.02%	7.20%	17.22%	0.15%	17.37%	-0.21%	17.37%	NO MAX
915	New Deal	4	4	2.43%	-1.89%	0.54%	0.00%	0.54%	2.35%	-1.63%	0.72%	0.00%	0.72%	0.18%	0.72%	7.50%
923	New Fairview	1	1	1.05%	9.37%	10.42%	0.13%	10.55%	1.05%	9.64%	10.69%	0.13%	10.82%	0.27%		
918	New London	8	8	3.76%	0.11%	3.87%	0.00%	3.87%	3.77%	-0.38%	3.39%	0.00%	3.39%	-0.48%	3.39%	7.50%
919	New Summerfield	10	9	8.08%	1.46%	9.54%	0.00%	9.54%	7.94%	-0.24%	7.70%	0.00%	7.70%	-1.84%	7.70%	13.50%
917	New Waverly	5	4	5.11%	1.27%	6.38%	0.32%	6.70%	5.30%	2.33%	7.63%	0.37%	8.00%	1.30%	8.00%	9.50%
913	Newark	4	6	2.10%	1.05%	3.15%	0.12%	3.27%	1.72%	1.23%	2.95%	0.11%	3.06%	-0.21%	3.06%	NO MAX
920	Newton	23	21	10.46%	10.05%	20.51%	0.23%	20.74%	10.52%	10.62%	21.14%	0.28%	21.42%	0.68%	21.42%	NO MAX
922	Nixon	18	19	1.25%	-0.55%	0.70%	0.21%	0.91%	1.24%	-0.60%	0.64%	0.19%	0.83%	-0.08%	0.83%	NO MAX
924	Nocona	19	20	6.67%	3.16%	9.83%	0.26%	10.09%	6.61%	3.50%	10.11%	0.31%	10.42%	0.33%	10.42%	11.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			buting	14)19 RATES	D DUACE IN		14/	20 ITHOUT MA	20 RATES			GRAND	MAX	
		ivieii	ibers		WITHOUT MAXIMUM OR F RETIREMENT PLAN					REMENT PLA		Y PHASE-IIV		GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
925	Nolanville	15	16	1.72%	0.60%	2.32%	0.14%	2.46%	1.69%	0.43%	2.12%	0.13%	2.25%	-0.21%	2.25%	NO MAX
928	Normangee	3	4	4.65%	-2.36%	2.29%	0.28%	2.57%	4.80%	-3.93%	0.87%	0.20%	1.07%	-1.50%	1.07%	11.50%
931	North Richland Hills	540	544	11.00%	5.15%	16.15%	0.00%	16.15%	10.98%	5.36%	16.34%	0.00%	16.34%	0.19%	16.34%	NO MAX
930	Northlake	30	33	8.96%	1.54%	10.50%	0.10%	10.60%	8.74%	1.23%	9.97%	0.10%	10.07%	-0.53%	10.07%	NO MAX
935	O'Donnell	3	3	1.67%	5.36%	7.03%	0.18%	7.21%	1.67%	5.80%	7.47%	0.20%	7.67%	0.46%	7.67%	NO MAX
936	Oak Point	26	27	5.73%	1.39%	7.12%	0.13%	7.25%	6.25%	1.24%	7.49%	0.12%	7.61%	0.36%	7.61%	NO MAX
937	Oak Ridge North	43	41	9.06%	2.76%	11.82%	0.20%	12.02%	8.85%	2.55%	11.40%	0.20%	11.60%	-0.42%	11.60%	NO MAX
942	Odem	12	15	5.14%	3.98%	9.12%	0.40%	9.52%	5.26%	4.44%	9.70%	0.36%	10.06%	0.54%	10.06%	NO MAX
944	Odessa	713	692	7.86%	5.21%	13.07%	0.20%	13.27%	7.90%	5.54%	13.44%	0.20%	13.64%	0.37%	13.64%	NO MAX
945	Oglesby	2	2	1.11%	-0.58%	0.53%	0.17%	0.70%	1.11%	-0.04%	1.07%	0.18%	1.25%	0.55%	1.25%	NO MAX
949	Old River-Winfree	1	1	2.39%	-2.39%	0.00%	0.00%	0.00%	2.39%	-2.39%	0.00%	0.00%	0.00%	0.00%	0.00%	7.50%
950	Olmos Park	38	36	3.89%	-1.29%	2.60%	0.00%	2.60%	3.82%	-1.17%	2.65%	0.00%	2.65%	0.05%	2.65%	11.50%
951	Olney	19	21	5.70%	0.65%	6.35%	0.18%	6.53%	6.46%	0.44%	6.90%	0.24%	7.14%	0.61%	7.14%	NO MAX
953	Omaha	6	6	2.09%	3.21%	5.30%	0.28%	5.58%	1.94%	3.20%	5.14%	0.23%	5.37%	-0.21%	5.37%	NO MAX
954	Onalaska	12	12	2.96%	-0.33%	2.63%	0.15%	2.78%	2.98%	-0.89%	2.09%	0.15%	2.24%	-0.54%	2.24%	9.50%
958	Orange	152	148	10.75%	5.05%	15.80%	0.00%	15.80%	10.11%	5.05%	15.16%	0.00%	15.16%	-0.64%	15.16%	NO MAX
960	Orange Grove	10	9	8.57%	-1.46%	7.11%	0.17%	7.28%	8.39%	-1.19%	7.20%	0.17%	7.37%	0.09%	7.37%	12.50%
959	Ore City	9	9	1.58%	-0.13%	1.45%	0.14%	1.59%	1.33%	-0.31%	1.02%	0.11%	1.13%	-0.46%	1.13%	7.50%
962	Overton	20	21	4.57%	-1.34%	3.23%	0.18%	3.41%	4.70%	-1.54%	3.16%	0.19%	3.35%	-0.06%	3.35%	12.50%
961	Ovilla	25	28	8.41%	1.18%	9.59%	0.14%	9.73%	8.26%	1.57%	9.83%	0.16%	9.99%	0.26%	9.99%	13.50%
963	Oyster Creek	23	23	8.42%	2.60%	11.02%	0.21%	11.23%	8.20%	2.56%	10.76%	0.22%	10.98%	-0.25%	10.98%	13.50%
964	Paducah	7	4	4.87%	-3.76%	1.11%	0.32%	1.43%	4.49%	-4.49%	0.00%	0.29%	0.29%	-1.14%	0.29%	9.50%
966	Palacios	34	33	11.04%	6.41%	17.45%	0.28%	17.73%	10.83%	6.44%	17.27%	0.27%	17.54%	-0.19%	17.54%	NO MAX
968	Palestine	185	168	7.80%	5.62%	13.42%	0.20%	13.62%	7.79%	5.79%	13.58%	0.21%	13.79%	0.17%	13.79%	NO MAX
970	Palmer	23	23	8.68%	2.79%	11.47%	0.10%	11.57%	8.93%	2.11%	11.04%	0.11%	11.15%	-0.42%	11.15%	13.50%
969	Palmhurst	29	25	5.67%	0.27%	5.94%	0.09%	6.03%	5.64%	0.09%	5.73%	0.11%	5.84%	-0.19%	5.84%	NO MAX
971	Palmview	61	67	1.19%	0.73%	1.92%	0.10%	2.02%	1.16%	0.83%	1.99%	0.09%	2.08%	0.06%	2.08%	NO MAX
972	Pampa	156	151	9.06%	12.37%	21.43%	0.25%	21.68%	9.13%	12.35%	21.48%	0.25%	21.73%	0.05%	21.73%	NO MAX
974	Panhandle	16	18	7.19%	5.15%	12.34%	0.00%	12.34%	7.09%	4.16%	11.25%	0.00%	11.25%	-1.09%	11.25%	NO MAX
973	Panorama Village	12	12	6.49%	0.09%	6.58%	0.48%	7.06%	6.19%	0.09%	6.28%	0.41%	6.69%	-0.37%	6.69%	12.50%
975	Pantego	43	42	10.96%	6.53%	17.49%	0.16%	17.65%	10.62%	6.55%	17.17%	0.16%	17.33%	-0.32%	17.33%	NO MAX
976	Paris	254	246	4.19%	2.76%	6.95%	0.25%	7.20%	4.14%	3.04%	7.18%	0.25%	7.43%	0.23%	7.43%	NO MAX
977	Parker	23	25	7.47%	4.74%	12.21%	0.19%	12.40%	7.82%	4.60%	12.42%	0.17%	12.59%	0.19%	12.59%	13.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			ibuting	-							20 RATES					
		Mer	nbers				R PHASE-IN			ITHOUT MA		R PHASE-IN			GRAND	MAX
					RETIREMENT PLAN			RETIREMENT PLAN			<u>N</u>			GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
978	Pasadena	1,007	1,020	9.22%	4.23%	13.45%	0.23%	13.68%	9.23%	4.23%	13.46%	0.24%	13.70%	0.02%	13.70%	NO MAX
983	Pearland	666	681	10.13%	3.17%	13.30%	0.12%	13.42%	10.02%	3.12%	13.14%	0.12%	13.26%	-0.16%	13.26%	15.50%
984	Pearsall	65	66	3.11%	1.24%	4.35%	0.17%	4.52%	3.14%	1.55%	4.69%	0.18%	4.87%	0.35%	4.87%	8.50%
988	Pecos City	117	127	5.99%	0.07%	6.06%	0.26%	6.32%	5.98%	0.16%	6.14%	0.21%	6.35%	0.03%	6.35%	11.50%
989	Pelican Bay	12	15	1.52%	3.49%	5.01%	0.11%	5.12%	1.39%	2.96%	4.35%	0.09%	4.44%	-0.68%	4.44%	NO MAX
991	Penitas	40	36	3.22%	1.11%	4.33%	0.07%	4.40%	3.17%	0.94%	4.11%	0.09%	4.20%	-0.20%	4.20%	NO MAX
994	Perryton	79	80	7.97%	6.74%	14.71%	0.27%	14.98%	8.00%	6.96%	14.96%	0.27%	15.23%	0.25%	15.23%	NO MAX
1000	Pflugerville	335	345	9.98%	3.35%	13.33%	0.14%	13.47%	10.04%	3.42%	13.46%	0.14%	13.60%	0.13%	13.60%	NO MAX
1002	Pharr	573	618	5.25%	2.64%	7.89%	0.13%	8.02%	5.30%	2.56%	7.86%	0.14%	8.00%	-0.02%	8.00%	NO MAX
1004	Pilot Point	46	50	9.74%	2.35%	12.09%	0.13%	12.22%	9.54%	1.96%	11.50%	0.15%	11.65%	-0.57%	11.65%	12.50%
1005	Pinehurst	21	21	11.53%	7.85%	19.38%	0.24%	19.62%	11.54%	8.28%	19.82%	0.25%	20.07%	0.45%	20.07%	NO MAX
1003	Pineland	13	14	5.18%	2.73%	7.91%	0.30%	8.21%	5.21%	1.03%	6.24%	0.25%	6.49%	-1.72%	6.49%	NO MAX
1001	Piney Point Village	7	5	6.50%	0.45%	6.95%	0.23%	7.18%	6.63%	0.29%	6.92%	0.23%	7.15%	-0.03%	7.15%	NO MAX
1006	Pittsburg	34	35	9.22%	5.17%	14.39%	0.22%	14.61%	9.51%	3.85%	13.36%	0.21%	13.57%	-1.04%	13.57%	NO MAX
1007	Plains	9	8	7.57%	-1.00%	6.57%	0.23%	6.80%	5.03%	-0.81%	4.22%	0.22%	4.44%	-2.36%	4.44%	NO MAX
1008	Plainview	133	137	9.18%	3.89%	13.07%	0.00%	13.07%	9.28%	2.99%	12.27%	0.00%	12.27%	-0.80%	12.27%	NO MAX
1010	Plano	2,346	2,410	11.34%	5.33%	16.67%	0.00%	16.67%	11.33%	5.38%	16.71%	0.00%	16.71%	0.04%	16.71%	NO MAX
1012	Pleasanton	103	101	9.30%	6.49%	15.79%	0.16%	15.95%	9.12%	6.10%	15.22%	0.16%	15.38%	-0.57%	15.38%	NO MAX
1013	Point	10	11	9.92%	3.75%	13.67%	0.00%	13.67%	10.51%	2.61%	13.12%	0.00%	13.12%	-0.55%	13.12%	NO MAX
1017	Ponder	14	14	5.47%	0.64%	6.11%	0.40%	6.51%	5.49%	0.73%	6.22%	0.42%	6.64%	0.13%	6.64%	NO MAX
1014	Port Aransas	118	109	8.56%	2.99%	11.55%	0.22%	11.77%	8.36%	3.31%	11.67%	0.24%	11.91%	0.14%	11.91%	12.50%
11016	Port Arthur	518	556	7.01%	6.79%	13.80%	0.25%	14.05%	6.99%	6.75%	13.74%	0.25%	13.99%	-0.06%	13.99%	NO MAX
1018	Port Isabel	75	72	4.13%	-0.16%	3.97%	0.18%	4.15%	4.08%	-0.40%	3.68%	0.17%	3.85%	-0.30%	3.85%	9.50%
1020	Port Lavaca	91	84	4.57%	1.24%	5.81%	0.24%	6.05%	4.61%	1.28%	5.89%	0.25%	6.14%	0.09%	6.14%	9.50%
1022	Port Neches	95	95	8.84%	3.83%	12.67%	0.00%	12.67%	8.96%	4.23%	13.19%	0.00%	13.19%	0.52%	13.19%	NO MAX
1019	Portland	131	133	8.17%	5.47%	13.64%	0.20%	13.84%	8.06%	5.12%	13.18%	0.23%	13.41%	-0.43%	13.41%	NO MAX
1024	Post	19	20	6.55%	8.74%	15.29%	0.48%	15.77%	6.70%	7.56%	14.26%	0.43%	14.69%	-1.08%	14.69%	NO MAX
1026	Poteet	27	26	3.67%	-1.49%	2.18%	0.19%	2.37%	3.73%	-1.59%	2.14%	0.18%	2.32%	-0.05%	2.32%	9.50%
1028	Poth	10	10	2.36%	2.11%	4.47%	0.32%	4.79%	2.34%	1.93%	4.27%	0.34%	4.61%	-0.18%	4.61%	9.50%
1030	Pottsboro	19	20	6.50%	0.22%	6.72%	0.17%	6.89%	6.45%	0.30%	6.75%	0.18%	6.93%	0.04%	6.93%	13.50%
1031	Prairie View	17	21	2.12%	3.13%	5.25%	0.21%	5.46%	1.99%	2.29%	4.28%	0.20%	4.48%	-0.98%	4.48%	NO MAX
1032	Premont	20	18	1.64%	-1.64%	0.00%	0.24%	0.24%	1.92%	-1.92%	0.00%	0.30%	0.30%	0.06%	0.30%	7.50%
1029	Presidio	44	42	1.44%	-0.57%	0.87%	0.23%	1.10%	1.47%	-0.72%	0.75%	0.22%	0.97%	-0.13%	0.97%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			ibuting		2019 RATES						20 RATES					
		Men	nbers	WITHOUT MAXIMUM OR PHASE-IN RETIREMENT PLAN						ITHOUT MA		R PHASE-IN		GRAND	GRAND TOTAL	MAX RATE
CITY		LAST	THIS	NORMAL	PRIOR	-11V	SUPPL	GRAND	NORMAL	PRIOR	111	SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
1033	Primera	17	18	1.26%	-1.20%	0.06%	0.16%	0.22%	1.15%	-1.15%	0.00%	0.13%	0.13%	-0.09%	0.13%	7.50%
1034	Princeton	71	83	10.04%	0.71%	10.75%	0.11%	10.86%	10.06%	0.69%	10.75%	0.12%	10.87%	0.01%	10.87%	13.50%
1036	Prosper	168	189	12.24%	1.31%	13.55%	0.00%	13.55%	12.16%	1.38%	13.54%	0.00%	13.54%	-0.01%	13.54%	15.50%
1037	Providence Village	7	8	5.36%	2.14%	7.50%	0.21%	7.71%	5.70%	1.89%	7.59%	0.20%	7.79%	0.08%	7.79%	NO MAX
1042	Quanah	15	12	4.98%	4.38%	9.36%	0.36%	9.72%	5.03%	4.05%	9.08%	0.31%	9.39%	-0.33%	9.39%	NO MAX
1045	Queen City	10	12	2.77%	-1.00%	1.77%	0.32%	2.09%	2.62%	-0.91%	1.71%	0.34%	2.05%	-0.04%	2.05%	7.50%
1044	Quinlan	15	18	9.98%	0.03%	10.01%	0.09%	10.10%	10.14%	-0.18%	9.96%	0.11%	10.07%	-0.03%	10.07%	12.50%
1047	Quintana	1	3	2.29%	0.26%	2.55%	0.09%	2.64%	2.40%	0.47%	2.87%	0.17%	3.04%	0.40%	3.04%	NO MAX
1046	Quitaque	4	4	1.40%	3.52%	4.92%	0.20%	5.12%	1.38%	3.22%	4.60%	0.25%	4.85%	-0.27%	4.85%	NO MAX
1048	Quitman	22	23	6.23%	-0.74%	5.49%	0.22%	5.71%	6.26%	-0.69%	5.57%	0.23%	5.80%	0.09%	5.80%	11.50%
1050	Ralls	10	11	5.28%	1.22%	6.50%	0.51%	7.01%	5.72%	2.03%	7.75%	0.57%	8.32%	1.31%	8.32%	9.50%
1051	Rancho Viejo	10	10	5.08%	1.83%	6.91%	0.10%	7.01%	5.08%	1.63%	6.71%	0.11%	6.82%	-0.19%	6.82%	11.50%
1052	Ranger	19	21	8.99%	-2.35%	6.64%	0.00%	6.64%	8.95%	-1.06%	7.89%	0.00%	7.89%	1.25%	7.89%	12.50%
1054	Rankin	5	3	1.91%	-0.67%	1.24%	0.29%	1.53%	1.29%	-0.58%	0.71%	0.22%	0.93%	-0.60%	0.93%	7.50%
1055	Ransom Canyon	11	12	5.23%	10.16%	15.39%	0.24%	15.63%	5.17%	10.57%	15.74%	0.25%	15.99%	0.36%	15.99%	NO MAX
1058	Raymondville	70	70	4.28%	-2.81%	1.47%	0.29%	1.76%	4.36%	-3.38%	0.98%	0.26%	1.24%	-0.52%	1.24%	15.50%
1061	Red Oak	92	99	5.89%	1.29%	7.18%	0.13%	7.31%	5.81%	1.29%	7.10%	0.13%	7.23%	-0.08%	7.23%	13.50%
1062	Redwater	7	7	2.61%	0.47%	3.08%	0.15%	3.23%	2.60%	0.59%	3.19%	0.16%	3.35%	0.12%	3.35%	NO MAX
1064	Refugio	28	29	0.93%	-0.93%	0.00%	0.00%	0.00%	1.05%	-1.05%	0.00%	0.00%	0.00%	0.00%	0.00%	7.50%
1065	Reklaw	7	5	8.54%	7.99%	16.53%	0.33%	16.86%	8.18%	8.58%	16.76%	0.30%	17.06%	0.20%	17.06%	NO MAX
1066	Reno (Lamar County)	12	14	5.56%	-1.39%	4.17%	0.10%	4.27%	5.54%	-1.14%	4.40%	0.10%	4.50%	0.23%		11.50%
1069	Reno (Parker County)	16	17	4.70%	-0.55%	4.15%	0.20%	4.35%	4.55%	-0.44%	4.11%	0.20%	4.31%	-0.04%	4.31%	NO MAX
1067	Rhome	14	17	7.17%	0.43%	7.60%	0.19%	7.79%	6.98%	0.14%	7.12%	0.14%	7.26%	-0.53%	7.26%	13.50%
1068	Rice	10	12	1.57%	-0.50%	1.07%	0.12%	1.19%	1.62%	-0.42%	1.20%	0.13%	1.33%	0.14%	1.33%	7.50%
1070	Richardson	1,001	991	7.96%	6.48%	14.44%	0.00%	14.44%	7.97%	6.75%	14.72%	0.00%	14.72%	0.28%	14.72%	NO MAX
1073	Richland Hills	73	79	11.62%	3.85%	15.47%	0.26%	15.73%		3.92%	15.63%	0.21%	15.84%			
1074	Richland Springs	1	1	5.65%	-5.65%	0.00%	0.23%	0.23%	5.65%	-5.65%	0.00%	0.25%	0.25%			NO MAX
1076	Richmond	149	159	10.37%	4.30%	14.67%	0.16%	14.83%	10.35%	4.28%	14.63%	0.17%	14.80%	-0.03%	14.80%	NO MAX
1077	Richwood	23	27	7.96%	3.09%	11.05%	0.13%	11.18%		3.16%	11.09%	0.14%	11.23%	0.05%	11.23%	NO MAX
1072	Riesel	8	7	1.21%	4.77%	5.98%	0.15%	6.13%	1.09%	4.74%	5.83%	0.18%	6.01%	-0.12%	6.01%	NO MAX
1075	Rio Grande City	156	142	5.73%	1.30%	7.03%	0.14%	7.17%	5.79%	1.04%	6.83%	0.14%	6.97%	-0.20%	6.97%	NO MAX
1079	Rio Vista	7	7	2.47%	1.30%	3.77%	0.11%	3.88%	2.43%	1.90%	4.33%	0.11%	4.44%	0.56%	4.44%	NO MAX
1080	Rising Star	7	7	1.96%	-1.96%	0.00%	0.27%	0.27%	1.88%	-1.82%	0.06%	0.28%	0.34%	0.07%	0.34%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			ibuting			19 RATES					20 RATES					
		Men	nbers		<u>ITHOUT MA</u> REMENT PLA		R PHASE-IN			ITHOUT MA		R PHASE-IN	N .	GRAND	GRAND TOTAL	MAX RATE
CITY		LAST	THIS	NORMAL	PRIOR	41 V	SUPPL	GRAND	NORMAL	PRIOR	411	SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
1082	River Oaks	56	56	9.96%	3.80%	13.76%	0.28%	14.04%	10.31%	4.08%	14.39%	0.28%	14.67%	0.63%	14.67%	NO MAX
1084	Roanoke	125	124	12.77%	4.68%	17.45%	0.00%	17.45%	12.82%	4.52%	17.34%	0.00%	17.34%	-0.11%	17.34%	NO MAX
1088	Robert Lee	2	6	1.10%	4.30%	5.40%	0.28%	5.68%	1.27%	4.26%	5.53%	0.13%	5.66%	-0.02%	5.66%	NO MAX
1089	Robinson	69	68	8.50%	5.35%	13.85%	0.19%	14.04%	8.55%	5.04%	13.59%	0.21%	13.80%	-0.24%	13.80%	NO MAX
21090	Robstown	108	98	4.39%	1.74%	6.13%	0.14%	6.27%	4.38%	1.41%	5.79%	0.13%	5.92%	-0.35%	5.92%	9.50%
11090	Robstown Utility Systems	41	43	5.00%	7.76%	12.76%	0.33%	13.09%	4.98%	7.74%	12.72%	0.30%	13.02%	-0.07%	13.02%	NO MAX
1092	Roby	2	2	6.37%	-4.56%	1.81%	0.57%	2.38%	6.37%	-3.11%	3.26%	0.59%	3.85%	1.47%	3.85%	NO MAX
1096	Rockdale	46	47	7.05%	2.25%	9.30%	0.35%	9.65%	7.01%	1.98%	8.99%	0.37%	9.36%	-0.29%	9.36%	11.50%
1098	Rockport	113	114	11.87%	5.58%	17.45%	0.24%	17.69%	11.32%	6.55%	17.87%	0.26%	18.13%	0.44%	18.13%	NO MAX
1100	Rocksprings	7	7	1.90%	-1.38%	0.52%	0.00%	0.52%	2.48%	-1.17%	1.31%	0.00%	1.31%	0.79%	1.31%	NO MAX
1102	Rockwall	271	273	11.83%	3.93%	15.76%	0.15%	15.91%	11.87%	3.58%	15.45%	0.15%	15.60%	-0.31%	15.60%	NO MAX
1104	Rogers	9	8	5.32%	3.20%	8.52%	0.00%	8.52%	5.41%	3.27%	8.68%	0.00%	8.68%	0.16%	8.68%	NO MAX
1105	Rollingwood	14	16	9.06%	2.14%	11.20%	0.21%	11.41%	9.13%	2.75%	11.88%	0.28%	12.16%	0.75%	12.16%	13.50%
1106	Roma	136	127	6.72%	3.94%	10.66%	0.24%	10.90%	6.75%	3.44%	10.19%	0.27%	10.46%	-0.44%	10.46%	11.50%
1109	Roscoe	7	8	2.02%	0.12%	2.14%	0.39%	2.53%	2.08%	0.22%	2.30%	0.42%	2.72%	0.19%	2.72%	NO MAX
1112	Rosebud	11	12	2.02%	-0.12%	1.90%	0.31%	2.21%	2.03%	-0.08%	1.95%	0.31%	2.26%	0.05%	2.26%	NO MAX
1114	Rosenberg	254	251	9.90%	6.45%	16.35%	0.12%	16.47%	9.79%	6.40%	16.19%	0.12%	16.31%	-0.16%	16.31%	NO MAX
1116	Rotan	6	6	1.34%	-1.34%	0.00%	0.26%	0.26%	1.40%	-1.40%	0.00%	0.28%	0.28%	0.02%	0.28%	NO MAX
1118	Round Rock	927	947	10.77%	4.56%	15.33%	0.14%	15.47%	10.78%	4.57%	15.35%	0.14%	15.49%	0.02%	15.49%	NO MAX
1119	Rowlett	381	389	9.42%	3.40%	12.82%	0.00%	12.82%	9.46%	3.59%	13.05%	0.00%	13.05%	0.23%	13.05%	NO MAX
1120	Royse City	63	71	12.45%	3.53%	15.98%	0.17%	16.15%	12.12%	3.23%	15.35%	0.17%	15.52%	-0.63%	15.52%	NO MAX
1122	Rule	3	3	5.23%	3.65%	8.88%	0.20%	9.08%	5.27%	-3.10%	2.17%	0.15%	2.32%	-6.76%	2.32%	11.50%
1123	Runaway Bay	15	18	3.53%	-1.75%	1.78%	0.22%	2.00%	3.32%	-1.59%	1.73%	0.21%	1.94%	-0.06%	1.94%	9.50%
1124	Runge	4	3	4.63%	14.22%	18.85%	0.71%	19.56%	4.44%	14.22%	18.66%	0.54%	19.20%	-0.36%	19.20%	NO MAX
1126	Rusk	40	38	6.56%	0.02%	6.58%	0.19%	6.77%	6.59%	-0.58%	6.01%	0.21%	6.22%	-0.55%	6.22%	10.50%
1128	Sabinal	13	12	3.27%	-0.15%	3.12%	0.36%	3.48%		-0.08%	3.24%	0.42%	3.66%			9.50%
1129	Sachse	142	149	11.13%	3.66%	14.79%	0.15%	14.94%	10.91%	3.73%	14.64%	0.13%	14.77%		14.77%	NO MAX
1131	Saginaw	141	150	11.33%	10.00%	21.33%	0.18%	21.51%	11.52%	10.15%	21.67%	0.19%	21.86%			NO MAX
1130	Saint Jo	6	5	6.42%	-1.29%	5.13%	0.30%	5.43%		-3.68%	2.54%	0.33%	2.87%	-2.56%	2.87%	10.50%
1133	Salado	10	10	7.40%	-1.15%	6.25%	0.20%	6.45%	6.85%	-1.15%	5.70%	0.22%	5.92%	-0.53%	5.92%	NO MAX
1132	San Angelo	718	715	8.49%	8.97%	17.46%	0.00%	17.46%	8.39%	9.04%	17.43%	0.00%	17.43%	-0.03%	17.43%	NO MAX
21136	San Antonio	6,939	7,028	6.81%	4.85%	11.66%	0.00%	11.66%	6.78%	4.89%	11.67%	0.00%	11.67%	0.01%	11.67%	NO MAX
11136	San Antonio Water System	1,698	1,709	2.06%	1.54%	3.60%	0.00%	3.60%	2.04%	1.60%	3.64%	0.00%	3.64%	0.04%	3.64%	5.50%

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			buting			19 RATES					20 RATES		_			
		Men	nbers		ITHOUT MA		R PHASE-IN			ITHOUT MA		R PHASE-IN	l	CDAND	GRAND	MAX
CITY		LAST	THIS	NORMAL	PRIOR	AIN	SUPPL	GRAND	NORMAL	PRIOR	AIN	SUPPL	GRAND	GRAND TOTAL	TOTAL WITH	RATE (RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
																·
1138	San Augustine	29	28	7.51%	0.83%	8.34%	0.24%	8.58%	7.46%	0.73%	8.19%	0.26%	8.45%	-0.13%	8.45%	13.50%
1140	San Benito	159	160	3.80%	1.71%	5.51%	0.21%	5.72%	3.85%	1.42%	5.27%	0.21%	5.48%	-0.24%		11.50%
1144	San Felipe	4	4	1.79%	2.67%	4.46%	0.19%	4.65%	1.79%	2.83%	4.62%	0.20%	4.82%	0.17%		NO MAX
1148	San Juan	211	213	2.79%	-0.24%	2.55%	0.17%	2.72%	2.76%	-0.27%	2.49%	0.17%	2.66%	-0.06%		10.50%
1150	San Marcos	631	650	10.38%	6.96%	17.34%	0.15%	17.49%	10.31%	6.98%	17.29%	0.16%	17.45%	-0.04%	17.45%	NO MAX
1152	San Saba	46	45	6.15%	2.16%	8.31%	0.28%	8.59%	6.04%	2.42%	8.46%	0.29%	8.75%	0.16%	8.75%	10.50%
1146	Sanger	65	70	6.23%	1.68%	7.91%	0.14%	8.05%	6.28%	1.88%	8.16%	0.15%	8.31%	0.26%	8.31%	12.50%
1153	Sansom Park	33	30	7.01%	-0.86%	6.15%	0.14%	6.29%	7.13%	-1.10%	6.03%	0.13%	6.16%	-0.13%	6.16%	11.50%
1155	Santa Fe	62	59	6.73%	4.89%	11.62%	0.00%	11.62%	6.63%	5.20%	11.83%	0.00%	11.83%	0.21%	11.83%	NO MAX
1158	Savoy	2	3	4.57%	-4.57%	0.00%	0.30%	0.30%	4.16%	-4.16%	0.00%	0.25%	0.25%	-0.05%	0.25%	10.50%
1159	Schertz	322	328	10.47%	5.57%	16.04%	0.12%	16.16%	10.35%	5.45%	15.80%	0.12%	15.92%	-0.24%	15.92%	NO MAX
1160	Schulenburg	37	37	9.84%	11.59%	21.43%	0.26%	21.69%	9.93%	11.57%	21.50%	0.25%	21.75%	0.06%	21.75%	NO MAX
1161	Seabrook	94	95	9.62%	5.95%	15.57%	0.15%	15.72%	9.61%	6.27%	15.88%	0.16%	16.04%	0.32%	16.04%	NO MAX
1162	Seadrift	13	13	1.33%	2.76%	4.09%	0.17%	4.26%	1.37%	2.27%	3.64%	0.19%	3.83%	-0.43%	3.83%	NO MAX
1164	Seagoville	96	96	7.71%	3.15%	10.86%	0.20%	11.06%	7.86%	3.08%	10.94%	0.22%	11.16%	0.10%	11.16%	13.50%
1166	Seagraves	16	17	7.85%	2.17%	10.02%	0.51%	10.53%	7.67%	2.55%	10.22%	0.46%	10.68%	0.15%	10.68%	NO MAX
1167	Sealy	55	57	10.12%	4.45%	14.57%	0.15%	14.72%	9.80%	5.06%	14.86%	0.18%	15.04%	0.32%	15.04%	NO MAX
1168	Seguin	381	374	10.44%	11.79%	22.23%	0.19%	22.42%	10.41%	11.81%	22.22%	0.19%	22.41%	-0.01%	22.41%	NO MAX
1169	Selma	91	85	11.17%	3.49%	14.66%	0.13%	14.79%	11.17%	3.47%	14.64%	0.11%	14.75%	-0.04%	14.75%	NO MAX
1170	Seminole	58	56	8.52%	4.37%	12.89%	0.23%	13.12%	8.68%	3.35%	12.03%	0.25%	12.28%	-0.84%	12.28%	NO MAX
1171	Seven Points	19	19	9.00%	-6.40%	2.60%	0.18%	2.78%	9.00%	-7.89%	1.11%	0.20%	1.31%	-1.47%	1.31%	13.50%
1172	Seymour	39	32	3.54%	3.49%	7.03%	0.35%	7.38%	3.47%	3.73%	7.20%	0.39%	7.59%	0.21%	7.59%	8.50%
1165	Shady Shores	2	2	7.77%	1.49%	9.26%	0.07%	9.33%	7.74%	1.77%	9.51%	0.07%	9.58%	0.25%	9.58%	NO MAX
1177	Shallowater	15	14	4.49%	0.01%	4.50%	0.14%	4.64%	4.57%	-0.01%	4.56%	0.16%	4.72%	0.08%	4.72%	10.50%
1174	Shamrock	22	12	3.08%	4.76%	7.84%	0.49%	8.33%	3.09%	5.66%	8.75%	0.73%	9.48%	1.15%	9.48%	NO MAX
1173	Shavano Park	50	49	11.52%	2.30%	13.82%	0.13%	13.95%	10.79%	2.56%	13.35%	0.14%	13.49%	-0.46%	13.49%	13.50%
1175	Shenandoah	47	49	11.46%	5.47%	16.93%	0.14%	17.07%	11.38%	6.86%	18.24%	0.14%	18.38%	1.31%	18.38%	NO MAX
1181	Shepherd	11	11	4.96%	-2.26%	2.70%	0.19%	2.89%	4.95%	-2.36%	2.59%	0.21%	2.80%	-0.09%	2.80%	11.50%
1176	Sherman	418	439	8.70%	5.22%	13.92%	0.20%	14.12%	8.71%	5.63%	14.34%	0.20%	14.54%	0.42%	14.54%	NO MAX
1178	Shiner	30	32	3.47%	4.24%	7.71%	0.36%	8.07%	3.44%	4.56%	8.00%	0.36%	8.36%	0.29%	8.36%	NO MAX
1179	Shoreacres	13	10	6.11%	-1.43%	4.68%	0.25%	4.93%	6.28%	-1.79%	4.49%	0.28%	4.77%	-0.16%	4.77%	9.50%
1180	Silsbee	65	63	9.70%	8.79%	18.49%	0.00%	18.49%	9.83%	9.14%	18.97%	0.00%	18.97%	0.48%	18.97%	NO MAX
1182	Silverton	4	4	5.97%	-1.50%	4.47%	0.20%	4.67%	5.96%	-0.57%	5.39%	0.21%	5.60%	0.93%	5.60%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			buting			19 RATES					20 RATES					
		Men	nbers		ITHOUT MA		R PHASE-IN			ITHOUT MA		R PHASE-IN			GRAND	MAX
					REMENT PLA	<u>AN</u>				REMENT PLA	AN			GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
1183	Simonton	N/A	2	1.70%	0.89%	2.59%	0.05%	2.64%	1.55%	0.85%	2.40%	0.04%	2.44%	-0.20%	2.44%	NO MAX
1184	Sinton	54	51	8.29%	4.58%	12.87%	0.23%	13.10%	8.12%	4.21%	12.33%	0.21%	12.54%	-0.56%	12.54%	NO MAX
1185	Skellytown	4	6	4.41%	-3.86%	0.55%	0.20%	0.75%	4.27%	-2.36%	1.91%	0.24%	2.15%	1.40%	2.15%	9.50%
1186	Slaton	46	46	6.40%	0.12%	6.52%	0.27%	6.79%	6.48%	0.31%	6.79%	0.26%	7.05%	0.26%	7.05%	12.50%
1188	Smithville	62	62	4.93%	1.93%	6.86%	0.25%	7.11%	5.00%	1.94%	6.94%	0.27%	7.21%	0.10%	7.21%	9.50%
1189	Smyer	3	2	6.22%	4.17%	10.39%	0.17%	10.56%	5.69%	3.99%	9.68%	0.18%	9.86%	-0.70%	9.86%	13.50%
1190	Snyder	86	79	9.90%	3.77%	13.67%	0.23%	13.90%	9.86%	3.77%	13.63%	0.24%	13.87%	-0.03%	13.87%	NO MAX
1191	Somerset	12	12	2.94%	-0.35%	2.59%	0.22%	2.81%	3.00%	-0.32%	2.68%	0.45%	3.13%	0.32%	3.13%	9.50%
1192	Somerville	13	15	5.71%	-0.50%	5.21%	0.48%	5.69%	5.37%	-1.12%	4.25%	0.37%	4.62%	-1.07%	4.62%	9.50%
1194	Sonora	31	31	6.68%	1.61%	8.29%	0.28%	8.57%	6.46%	1.99%	8.45%	0.28%	8.73%	0.16%	8.73%	NO MAX
1196	Sour Lake	14	13	6.42%	-0.73%	5.69%	0.37%	6.06%	6.22%	-0.99%	5.23%	0.24%	5.47%	-0.59%	5.47%	13.50%
1198	South Houston	118	115	6.43%	3.57%	10.00%	0.25%	10.25%	6.36%	3.47%	9.83%	0.28%	10.11%	-0.14%	10.11%	NO MAX
1199	South Padre Island	171	168	11.14%	1.67%	12.81%	0.16%	12.97%	11.18%	1.75%	12.93%	0.16%	13.09%	0.12%	13.09%	13.50%
1197	Southlake	321	345	9.53%	2.82%	12.35%	0.14%	12.49%	9.54%	2.91%	12.45%	0.13%	12.58%	0.09%	12.58%	13.50%
1200	Southmayd	7	9	1.59%	4.04%	5.63%	0.09%	5.72%	1.62%	3.55%	5.17%	0.12%	5.29%	-0.43%		NO MAX
1202	Southside Place	23	23	8.39%	3.41%	11.80%	0.20%	12.00%	8.49%	3.12%	11.61%	0.22%	11.83%	-0.17%	11.83%	NO MAX
1204	Spearman	24	25	8.94%	2.44%	11.38%	0.26%	11.64%	8.96%	2.42%	11.38%	0.28%	11.66%	0.02%	11.66%	13.50%
1201	Splendora	24	24	2.56%	2.63%	5.19%	0.17%	5.36%	2.67%	2.92%	5.59%	0.18%	5.77%	0.41%	5.77%	NO MAX
1205	Spring Valley Village	38	40	6.07%	0.82%	6.89%	0.16%	7.05%	6.15%	0.76%	6.91%	0.16%	7.07%	0.02%	7.07%	NO MAX
1203	Springtown	40	43	10.31%	-1.17%	9.14%	0.17%	9.31%	10.80%	-1.49%	9.31%	0.17%	9.48%	0.17%		13.50%
1206	Spur	10	11	2.56%	2.10%	4.66%	0.24%	4.90%	2.48%	2.69%	5.17%	0.21%	5.38%	0.48%	5.38%	NO MAX
1207	Stafford	173	182	11.53%	2.91%	14.44%	0.18%	14.62%	11.39%	2.74%	14.13%	0.18%	14.31%	-0.31%	14.31%	NO MAX
1208	Stamford	22	25	5.75%	-0.49%	5.26%	0.47%	5.73%	5.56%	-0.60%	4.96%	0.39%	5.35%	-0.38%		9.50%
1210	Stanton	18	21	4.60%	3.15%	7.75%	0.21%	7.96%	4.61%	3.05%	7.66%	0.20%	7.86%	-0.10%		9.50%
1211	Star Harbor	4	5	7.92%	2.56%	10.48%	0.47%	10.95%	7.72%	2.98%	10.70%	0.42%	11.12%	0.17%	11.12%	NO MAX
1212	Stephenville	156	155	7.40%	-1.04%	6.36%	0.20%	6.56%	7.40%	-0.73%	6.67%	0.20%	6.87%	0.31%	6.87%	NO MAX
1213	Sterling City	7	6	1.23%	-0.03%	1.20%	0.00%	1.20%	1.15%	-0.04%	1.11%	0.00%	1.11%	-0.09%		7.50%
1214	Stinnett	17	16	2.71%	-2.71%	0.00%	0.21%	0.21%	2.44%	-2.44%	0.00%	0.21%	0.21%	0.00%		9.50%
1216	Stockdale	8	8	2.69%	2.77%	5.46%	0.35%	5.81%	2.71%	2.82%	5.53%	0.38%	5.91%	0.10%		NO MAX
1218	Stratford	13	13	5.54%	0.77%	6.31%	0.29%	6.60%	5.60%	-0.43%	5.17%	0.31%	5.48%	-1.12%		NO MAX
1224	Sudan	8	8	1.37%	-0.11%	1.26%	0.00%	1.26%	1.49%	0.02%	1.51%	0.00%	1.51%	0.25%	1.51%	7.50%
1225	Sugar Land	757	750	11.08%	3.70%	14.78%	0.15%	14.93%	11.03%	3.57%	14.60%	0.16%	14.76%	-0.17%		NO MAX
1226	Sulphur Springs	143	148	5.17%	2.33%	7.50%	0.24%	7.74%	5.14%	2.63%	7.77%	0.24%	8.01%			

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			buting			19 RATES					20 RATES					
		Men	nbers	W	ITHOUT MA	XIMUM O	R PHASE-IN		W	ITHOUT MA	XIMUM OF	R PHASE-IN			GRAND	MAX
				RETI	REMENT PLA	N.			RETI	REMENT PLA	AN .			GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
1228	Sundown	13	13	6.92%	4.31%	11.23%	0.20%	11.43%	7.01%	4.74%	11.75%	0.21%	11.96%	0.53%	11.96%	NO MAX
1229	Sunnyvale	39	45	9.48%	2.15%	11.63%	0.25%	11.88%	9.73%	1.83%	11.56%	0.21%	11.77%	-0.11%	11.77%	NO MAX
1230	Sunray	13	8	12.96%	5.55%	18.51%	0.20%	18.71%	9.44%	5.00%	14.44%	0.33%	14.77%	-3.94%	14.77%	NO MAX
1227	Sunrise Beach Village	10	10	1.43%	-0.15%	1.28%	0.13%	1.41%	1.42%	-0.08%	1.34%	0.14%	1.48%	0.07%	1.48%	7.50%
1231	Sunset Valley	29	31	10.46%	2.84%	13.30%	0.12%	13.42%	10.57%	2.61%	13.18%	0.12%	13.30%	-0.12%	13.30%	13.50%
1233	Surfside Beach	22	20	2.38%	-1.02%	1.36%	0.23%	1.59%	2.32%	-0.98%	1.34%	0.26%	1.60%	0.01%	1.60%	9.50%
1232	Sweeny	23	23	9.96%	7.24%	17.20%	0.31%	17.51%	9.93%	7.18%	17.11%	0.32%	17.43%	-0.08%	17.43%	NO MAX
1234	Sweetwater	108	105	9.55%	8.10%	17.65%	0.26%	17.91%	9.47%	8.26%	17.73%	0.24%	17.97%	0.06%	17.97%	NO MAX
1264	TMRS	107	114	11.18%	4.77%	15.95%	0.17%	16.12%	11.17%	4.57%	15.74%	0.19%	15.93%	-0.19%	15.93%	NO MAX
1236	Taft	24	22	12.27%	4.64%	16.91%	0.36%	17.27%	12.96%	4.92%	17.88%	0.31%	18.19%	0.92%	18.19%	NO MAX
1238	Tahoka	19	19	4.15%	-2.70%	1.45%	0.30%	1.75%	3.97%	-3.97%	0.00%	0.29%	0.29%	-1.46%	0.29%	11.50%
1240	Talty	6	4	2.77%	5.37%	8.14%	0.44%	8.58%	2.70%	8.19%	10.89%	0.59%	11.48%	2.90%	11.48%	NO MAX
1241	Tatum	10	10	1.38%	0.41%	1.79%	0.15%	1.94%	1.42%	0.39%	1.81%	0.17%	1.98%	0.04%	1.98%	7.50%
1246	Taylor	148	153	7.59%	4.29%	11.88%	0.24%	12.12%	7.46%	4.10%	11.56%	0.22%	11.78%	-0.34%	11.78%	NO MAX
1248	Teague	20	21	8.85%	0.38%	9.23%	0.33%	9.56%	9.21%	-0.17%	9.04%	0.24%	9.28%	-0.28%	9.28%	13.50%
1252	Temple	677	669	10.10%	6.33%	16.43%	0.20%	16.63%	10.12%	6.79%	16.91%	0.20%	17.11%	0.48%	17.11%	NO MAX
1254	Tenaha	7	10	1.25%	-1.15%	0.10%	0.19%	0.29%	1.62%	-1.32%	0.30%	0.16%	0.46%	0.17%	0.46%	7.50%
1256	Terrell	176	178	10.68%	5.00%	15.68%	0.21%	15.89%	10.61%	5.28%	15.89%	0.21%	16.10%	0.21%	16.10%	NO MAX
1258	Terrell Hills	49	50	9.90%	5.42%	15.32%	0.20%	15.52%	9.69%	5.69%	15.38%	0.18%	15.56%	0.04%	15.56%	NO MAX
31263	Tex Municipal League IEBP	137	141	4.38%	1.84%	6.22%	0.22%	6.44%	4.26%	1.66%	5.92%	0.21%	6.13%	-0.31%	6.13%	12.50%
21263	Tex Municipal League IRP	245	245	10.13%	0.26%	10.39%	0.21%	10.60%	10.13%	0.38%	10.51%	0.21%	10.72%	0.12%	10.72%	NO MAX
21260	Texarkana	210	202	9.61%	6.42%	16.03%	0.00%	16.03%	9.44%	6.12%	15.56%	0.00%	15.56%	-0.47%	15.56%	NO MAX
11260	Texarkana Police Dept	91	87	10.36%	4.65%	15.01%	0.00%	15.01%	10.24%	4.18%	14.42%	0.00%	14.42%	-0.59%	14.42%	NO MAX
31260	Texarkana Water Utilities	153	163	9.47%	6.60%	16.07%	0.00%	16.07%	9.39%	6.73%	16.12%	0.00%	16.12%	0.05%	16.12%	NO MAX
1262	Texas City	399	414	9.69%	6.49%	16.18%	0.00%	16.18%	9.68%	6.56%	16.24%	0.00%	16.24%	0.06%	16.24%	NO MAX
11263	Texas Municipal League	32	34	7.41%	8.63%	16.04%	0.18%	16.22%	7.60%	7.25%	14.85%	0.19%	15.04%	-1.18%	15.04%	NO MAX
1267	The Colony	327	344	9.65%	3.36%	13.01%	0.14%	13.15%	9.66%	3.26%	12.92%	0.14%	13.06%	-0.09%	13.06%	NO MAX
1269	Thompsons	3	3	2.03%	2.17%	4.20%	0.20%	4.40%	2.03%	2.28%	4.31%	0.23%	4.54%	0.14%	4.54%	NO MAX
1268	Thorndale	6	7	6.53%	1.05%	7.58%	0.34%	7.92%	6.40%	1.69%	8.09%	0.34%	8.43%	0.51%	8.43%	9.50%
1272	Thrall	5	4	3.97%	4.39%	8.36%	0.42%	8.78%	3.95%	3.46%	7.41%	0.45%	7.86%	-0.92%	7.86%	NO MAX
1274	Three Rivers	43	41	9.99%	13.37%	23.36%	0.39%	23.75%	9.94%	12.70%	22.64%	0.34%	22.98%	-0.77%	22.98%	NO MAX
1276	Throckmorton	4	5	5.61%	-1.05%	4.56%	0.25%	4.81%	5.46%	-0.55%	4.91%	0.22%	5.13%	0.32%		9.50%
1277	Tiki Island	7	8	2.24%	1.34%	3.58%	0.18%	3.76%	2.37%	1.39%	3.76%	0.23%	3.99%	0.23%		

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			ibuting			19 RATES					20 RATES					
		Men	nbers		<u>ITHOUT MA</u> REMENT PLA		R PHASE-IN	l		ITHOUT MA		R PHASE-IN		CDAND	GRAND	MAX
CITY		LAST	THIS	NORMAL	PRIOR	AIN	SUPPL	GRAND	NORMAL	PRIOR	AIN	SUPPL	GRAND	GRAND TOTAL	TOTAL WITH	RATE (RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
																·
1278	Timpson	9	9	2.57%	-0.41%	2.16%	0.44%	2.60%	2.58%	-0.57%	2.01%	0.46%	2.47%	-0.13%		7.50%
1280	Tioga	10	10	1.93%	-0.47%	1.46%	0.12%	1.58%	1.89%	-0.43%	1.46%	0.13%	1.59%	0.01%	1.59%	9.50%
1283	Tolar	6	5	7.15%	1.81%	8.96%	0.11%	9.07%	7.09%	0.65%	7.74%	0.15%	7.89%	-1.18%		NO MAX
1286	Tom Bean	7	8	3.62%	-1.20%	2.42%	0.12%	2.54%	3.89%	-1.21%	2.68%	0.15%	2.83%	0.29%		10.50%
1284	Tomball	166	174	9.87%	3.62%	13.49%	0.19%	13.68%	9.86%	3.63%	13.49%	0.20%	13.69%	0.01%	13.69%	NO MAX
1290	Trent	2	2	5.37%	2.81%	8.18%	0.48%	8.66%	5.36%	2.52%	7.88%	0.53%	8.41%	-0.25%	8.41%	11.50%
1292	Trenton	5	5	5.03%	-2.19%	2.84%	0.33%	3.17%	5.05%	-1.63%	3.42%	0.34%	3.76%	0.59%	3.76%	9.50%
1293	Trinidad	5	5	2.04%	1.20%	3.24%	0.44%	3.68%	2.12%	0.95%	3.07%	0.42%	3.49%	-0.19%	3.49%	7.50%
1294	Trinity	28	25	6.30%	0.62%	6.92%	0.34%	7.26%	6.18%	0.68%	6.86%	0.30%	7.16%	-0.10%	7.16%	11.50%
1295	Trophy Club	75	77	10.43%	2.52%	12.95%	0.15%	13.10%	10.85%	2.24%	13.09%	0.17%	13.26%	0.16%	13.26%	NO MAX
1296	Troup	21	23	4.72%	0.61%	5.33%	0.28%	5.61%	4.68%	0.68%	5.36%	0.31%	5.67%	0.06%	5.67%	9.50%
1297	Troy	13	13	9.73%	2.10%	11.83%	0.43%	12.26%	9.84%	1.27%	11.11%	0.40%	11.51%	-0.75%	11.51%	13.50%
1298	Tulia	38	39	8.39%	2.11%	10.50%	0.24%	10.74%	8.45%	2.24%	10.69%	0.24%	10.93%	0.19%	10.93%	NO MAX
1299	Turkey	3	4	2.27%	2.92%	5.19%	0.30%	5.49%	2.19%	2.99%	5.18%	0.41%	5.59%	0.10%	5.59%	NO MAX
1301	Tye	14	15	4.95%	2.30%	7.25%	0.17%	7.42%	4.73%	2.17%	6.90%	0.17%	7.07%	-0.35%	7.07%	NO MAX
1304	Tyler	668	665	9.23%	11.66%	20.89%	0.23%	21.12%	9.23%	11.76%	20.99%	0.24%	21.23%	0.11%	21.23%	NO MAX
1305	Universal City	130	132	10.23%	8.23%	18.46%	0.18%	18.64%	10.24%	8.33%	18.57%	0.18%	18.75%	0.11%	18.75%	NO MAX
1306	University Park	207	215	6.02%	4.16%	10.18%	0.00%	10.18%	5.98%	3.47%	9.45%	0.00%	9.45%	-0.73%	9.45%	NO MAX
1308	Uvalde	166	165	4.56%	1.37%	5.93%	0.17%	6.10%	4.52%	1.44%	5.96%	0.18%	6.14%	0.04%	6.14%	9.50%
1312	Valley Mills	7	8	1.93%	-0.04%	1.89%	0.12%	2.01%	2.37%	-0.05%	2.32%	0.19%	2.51%	0.50%	2.51%	NO MAX
1313	Valley View	6	5	1.33%	0.84%	2.17%	0.07%	2.24%	1.87%	-0.04%	1.83%	0.14%	1.97%	-0.27%	1.97%	NO MAX
1314	Van	20	20	7.40%	-0.08%	7.32%	0.24%	7.56%	7.47%	-0.29%	7.18%	0.25%	7.43%	-0.13%	7.43%	12.50%
1316	Van Alstyne	31	40	7.58%	2.08%	9.66%	0.14%	9.80%	7.74%	2.01%	9.75%	0.17%	9.92%	0.12%	9.92%	12.50%
1318	Van Horn	23	24	4.63%	3.22%	7.85%	0.19%	8.04%	4.66%	3.54%	8.20%	0.20%	8.40%	0.36%	8.40%	9.50%
1320	Vega	5	6	11.65%	13.14%	24.79%	0.18%	24.97%	10.81%	12.48%	23.29%	0.18%	23.47%	-1.50%	23.47%	NO MAX
1324	Venus	23	23	10.40%	0.13%	10.53%	0.00%	10.53%	10.25%	0.29%	10.54%	0.00%	10.54%	0.01%	10.54%	13.50%
1326	Vernon	91	90	7.03%	4.95%	11.98%	0.30%	12.28%	7.37%	4.92%	12.29%	0.32%	12.61%	0.33%		NO MAX
1328	Victoria	579	579	7.70%	8.89%	16.59%	0.19%	16.78%	7.61%	8.69%	16.30%	0.19%	16.49%	-0.29%	16.49%	NO MAX
1329	Vidor	67	68	9.35%	4.89%	14.24%	0.20%	14.44%	9.71%	4.51%	14.22%	0.24%	14.46%	0.02%		NO MAX
1500	Village Fire Department	47	48	3.65%	2.44%	6.09%	0.13%	6.22%	3.66%	2.63%	6.29%	0.14%	6.43%	0.21%		
1327	Village of the Hills	1	1	5.59%	0.59%	6.18%	0.06%	6.24%	5.60%	0.56%	6.16%	0.06%	6.22%	-0.02%	6.22%	NO MAX
1330	Waco	1,438	1,422	7.54%	6.48%	14.02%	0.00%	14.02%	7.50%	6.83%	14.33%	0.00%	14.33%	0.31%		NO MAX
1332	Waelder	15	19	2.22%	0.50%	2.72%	0.26%	2.98%	2.28%	0.47%	2.75%	0.25%	3.00%	0.02%		

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

			buting			19 RATES					20 RATES					
		Men	nbers		ITHOUT MA		R PHASE-IN			ITHOUT MA		R PHASE-IN			GRAND	MAX
					REMENT PLA	<u>AN</u>				REMENT PLA	<u>N</u>			GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
1334	Wake Village	24	27	9.74%	3.37%	13.11%	0.28%	13.39%	9.30%	3.54%	12.84%	0.23%	13.07%	-0.32%	13.07%	NO MAX
1336	Waller	31	34	4.07%	-0.17%	3.90%	0.32%	4.22%	4.11%	-0.15%	3.96%	0.34%	4.30%	0.08%	4.30%	9.50%
1337	Wallis	14	16	3.17%	-0.53%	2.64%	0.26%	2.90%	3.06%	-0.66%	2.40%	0.19%	2.59%	-0.31%	2.59%	8.50%
1338	Walnut Springs	2	2	1.52%	2.01%	3.53%	0.15%	3.68%	1.54%	2.39%	3.93%	0.16%	4.09%	0.41%	4.09%	NO MAX
1340	Waskom	16	16	3.23%	3.50%	6.73%	0.22%	6.95%	3.23%	3.60%	6.83%	0.24%	7.07%	0.12%	7.07%	7.50%
1341	Watauga	157	162	9.62%	3.88%	13.50%	0.18%	13.68%	10.15%	4.05%	14.20%	0.17%	14.37%	0.69%	14.37%	NO MAX
1342	Waxahachie	251	275	9.66%	5.30%	14.96%	0.20%	15.16%	9.87%	5.49%	15.36%	0.19%	15.55%	0.39%	15.55%	NO MAX
1344	Weatherford	360	359	9.38%	3.87%	13.25%	0.17%	13.42%	9.42%	3.95%	13.37%	0.17%	13.54%	0.12%	13.54%	NO MAX
1345	Webster	165	162	11.99%	5.42%	17.41%	0.21%	17.62%	12.10%	5.60%	17.70%	0.21%	17.91%	0.29%	17.91%	NO MAX
1346	Weimar	25	27	9.19%	8.03%	17.22%	0.27%	17.49%	9.03%	7.86%	16.89%	0.25%	17.14%	-0.35%	17.14%	NO MAX
1350	Wellington	13	13	4.86%	-0.82%	4.04%	0.50%	4.54%	4.81%	-0.54%	4.27%	0.51%	4.78%	0.24%	4.78%	NO MAX
1352	Wells	2	6	3.35%	-1.90%	1.45%	0.00%	1.45%	3.54%	-0.58%	2.96%	0.00%	2.96%	1.51%	2.96%	7.50%
1354	Weslaco	234	228	5.28%	2.72%	8.00%	0.16%	8.16%	5.30%	2.97%	8.27%	0.18%	8.45%	0.29%	8.45%	NO MAX
1356	West	20	20	3.60%	-2.04%	1.56%	0.28%	1.84%	3.63%	-2.23%	1.40%	0.21%	1.61%	-0.23%	1.61%	9.50%
1358	West Columbia	35	34	5.16%	-1.90%	3.26%	0.00%	3.26%	5.18%	-1.99%	3.19%	0.00%	3.19%	-0.07%	3.19%	11.50%
1359	West Lake Hills	23	23	11.87%	4.12%	15.99%	0.26%	16.25%	11.61%	4.79%	16.40%	0.27%	16.67%	0.42%	16.67%	NO MAX
1361	West Orange	21	24	9.85%	10.18%	20.03%	0.00%	20.03%	10.00%	10.02%	20.02%	0.00%	20.02%	-0.01%	20.02%	NO MAX
1365	West Tawakoni	15	18	5.27%	4.29%	9.56%	0.25%	9.81%	5.20%	3.86%	9.06%	0.22%	9.28%	-0.53%	9.28%	NO MAX
1364	West Univ. Place	118	126	8.65%	4.19%	12.84%	0.19%	13.03%	8.65%	4.24%	12.89%	0.18%	13.07%	0.04%	13.07%	NO MAX
1363	Westlake	41	43	9.47%	2.33%	11.80%	0.19%	11.99%	9.44%	2.33%	11.77%	0.19%	11.96%	-0.03%	11.96%	NO MAX
1362	Westover Hills	22	24	2.09%	0.20%	2.29%	0.29%	2.58%	2.00%	0.35%	2.35%	0.30%	2.65%	0.07%	2.65%	9.50%
1366	Westworth Village	48	45	10.67%	1.08%	11.75%	0.19%	11.94%	10.51%	1.23%	11.74%	0.20%	11.94%	0.00%	11.94%	13.50%
1368	Wharton	103	100	4.78%	1.10%	5.88%	0.22%	6.10%	4.78%	0.92%	5.70%	0.23%	5.93%	-0.17%	5.93%	9.50%
1370	Wheeler	8	7	6.93%	0.76%	7.69%	0.11%	7.80%	7.08%	0.88%	7.96%	0.14%	8.10%	0.30%	8.10%	NO MAX
1372	White Deer	5	5	3.47%	4.61%	8.08%	0.60%	8.68%	3.75%	5.81%	9.56%	0.79%	10.35%	1.67%	10.35%	NO MAX
1377	White Oak	45	43	11.34%	2.76%	14.10%	0.21%	14.31%	11.76%	2.64%	14.40%	0.24%	14.64%	0.33%	14.64%	NO MAX
1378	White Settlement	114	114	9.45%	7.48%	16.93%	0.16%	17.09%	9.69%	7.38%	17.07%	0.16%	17.23%	0.14%	17.23%	NO MAX
1374	Whiteface	3	2	5.47%	-3.91%	1.56%	0.34%	1.90%	5.68%	-4.05%	1.63%	0.47%	2.10%	0.20%	2.10%	NO MAX
1375	Whitehouse	42	44	6.77%	2.22%	8.99%	0.18%	9.17%	6.67%	1.99%	8.66%	0.17%	8.83%	-0.34%	8.83%	11.50%
1376	Whitesboro	49	48	4.97%	2.25%	7.22%	0.24%	7.46%	4.97%	1.41%	6.38%	0.25%	6.63%	-0.83%	6.63%	9.50%
1380	Whitewright	21	20	3.65%	-0.78%	2.87%	0.13%	3.00%	3.74%	-0.61%	3.13%	0.14%	3.27%	0.27%	3.27%	9.50%
1382	Whitney	19	20	3.40%	0.82%	4.22%	0.18%	4.40%	3.35%	0.72%	4.07%	0.19%	4.26%	-0.14%	4.26%	7.50%
1384	Wichita Falls	988	968	5.49%	7.28%	12.77%	0.00%	12.77%	5.53%	7.75%	13.28%	0.00%	13.28%	0.51%	13.28%	NO MAX

SECTION 2
TEXAS MUNICIPAL RETIREMENT SYSTEM
ACTUARIAL VALUATION RESULTS AS OF DECEMBER 31, 2018

		Contri	buting		20	19 RATES				20	20 RATES					
			nbers	w	ITHOUT MA		R PHASE-IN	l	W	ITHOUT MA		R PHASE-IN			GRAND	MAX
					REMENT PLA				RETI	REMENT PLA	AN			GRAND	TOTAL	RATE
CITY		LAST	THIS	NORMAL	PRIOR		SUPPL	GRAND	NORMAL	PRIOR		SUPPL	GRAND	TOTAL	WITH	(RET
NUMBER	CITY NAME	YEAR	YEAR	COST	SERVICE	TOTAL	DEATH	TOTAL	COST	SERVICE	TOTAL	DEATH	TOTAL	CHANGE	PHASE-IN	ONLY)
1386	Willis	40	41	8.09%	1.86%	9.95%	0.18%	10.13%	7.99%	1.47%	9.46%	0.18%	9.64%	-0.49%	9.64%	13.50%
1387	Willow Park	35	37	6.42%	0.81%	7.23%	0.12%	7.35%	6.63%	0.78%	7.41%	0.13%	7.54%	0.19%	7.54%	NO MAX
1388	Wills Point	30	29	6.26%	6.14%	12.40%	0.19%	12.59%	6.29%	5.72%	12.01%	0.21%	12.22%	-0.37%	12.22%	NO MAX
1390	Wilmer	51	50	4.80%	-0.10%	4.70%	0.16%	4.86%	4.56%	-0.08%	4.48%	0.11%	4.59%	-0.27%	4.59%	12.50%
1392	Wimberley	7	10	4.74%	3.13%	7.87%	0.20%	8.07%	4.35%	2.21%	6.56%	0.17%	6.73%	-1.34%	6.73%	NO MAX
1393	Windcrest	66	65	6.69%	0.71%	7.40%	0.21%	7.61%	6.55%	0.72%	7.27%	0.21%	7.48%	-0.13%	7.48%	10.50%
1395	Winfield	2	2	2.95%	0.55%	3.50%	0.32%	3.82%	3.15%	0.66%	3.81%	0.36%	4.17%	0.35%	4.17%	NO MAX
1396	Wink	8	10	6.98%	0.46%	7.44%	0.30%	7.74%	7.58%	0.27%	7.85%	0.28%	8.13%	0.39%	8.13%	NO MAX
1398	Winnsboro	37	40	6.71%	2.23%	8.94%	0.24%	9.18%	6.73%	2.37%	9.10%	0.25%	9.35%	0.17%	9.35%	11.50%
1399	Winona	5	5	10.43%	-10.43%	0.00%	0.19%	0.19%	10.60%	-8.66%	1.94%	0.21%	2.15%	1.96%	2.15%	13.50%
1400	Winters	14	15	7.63%	2.22%	9.85%	0.36%	10.21%	7.87%	2.54%	10.41%	0.34%	10.75%	0.54%	10.75%	11.50%
1403	Wolfforth	29	28	6.95%	4.15%	11.10%	0.19%	11.29%	6.94%	4.55%	11.49%	0.21%	11.70%	0.41%	11.70%	NO MAX
1409	Woodcreek	3	3	7.69%	-0.02%	7.67%	0.67%	8.34%	7.69%	0.34%	8.03%	0.71%	8.74%	0.40%	8.74%	NO MAX
1404	Woodsboro	12	12	3.58%	-2.53%	1.05%	0.18%	1.23%	3.55%	-2.81%	0.74%	0.17%	0.91%	-0.32%	0.91%	7.50%
1406	Woodville	33	33	9.56%	7.96%	17.52%	0.26%	17.78%	9.48%	7.91%	17.39%	0.26%	17.65%	-0.13%	17.65%	NO MAX
1407	Woodway	81	85	9.05%	7.41%	16.46%	0.15%	16.61%	9.20%	7.57%	16.77%	0.16%	16.93%	0.32%	16.93%	NO MAX
1408	Wortham	8	8	6.60%	-0.71%	5.89%	0.13%	6.02%	6.20%	-0.84%	5.36%	0.07%	5.43%	-0.59%	5.43%	12.50%
1410	Wylie	313	324	10.77%	4.07%	14.84%	0.12%	14.96%	10.55%	4.20%	14.75%	0.11%	14.86%	-0.10%	14.86%	NO MAX
1412	Yoakum	84	81	8.21%	7.52%	15.73%	0.28%	16.01%	8.07%	8.07%	16.14%	0.28%	16.42%	0.41%	16.42%	NO MAX
1414	Yorktown	14	9	1.39%	-0.47%	0.92%	0.37%	1.29%	1.17%	-0.32%	0.85%	0.60%	1.45%	0.16%	1.45%	7.50%
1415	Zavalla	8	9	3.71%	-3.69%	0.02%	0.00%	0.02%	3.77%	-3.68%	0.09%	0.00%	0.09%	0.07%	0.09%	9.50%

SECTION 3

RECONCILIATION OF FULL CONTRIBUTION RATES FROM PRIOR VALUATION REPORT

Section 3

Texas Municipal Retirement System Changes in Full Retirement Rate from Prior Actuarial Valuation Report

The following Schedule provides detail of the reconciliation in the Full Rate for each participating employer from the prior valuation. Actuarial valuations are based on long term assumptions and actual results in a specific year can and almost certainly will differ, as actual experience deviates from the assumptions. The following is a brief explanation of the most common sources for deviation.

<u>Benefit Changes</u> - Shows the increase or decrease in the contribution rate associated with any modifications made to the member city's TMRS plan provisions.

<u>Assumption & Method Changes</u> - 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.

<u>Return on Actuarial Value of Assets</u> - Shows the change in the contribution rate associated with the return on the Actuarial Value of Assets (AVA) being different than the assumed 6.75%. For the year ending December 31, 2018 the System-wide return on an AVA basis was 6.06%, but the returns will vary by City.

Contribution Lag/Phase In & Fully Amortized Prior Bases - Shows the total increase or decrease in the contribution rate associated with the phase in of city contribution rates and any additional contributions above the full rate that the city made to its plan. The effect of the "Contribution Lag" is included here, as well, and refers to the time delay between the actuarial valuation date and the date the contribution rate becomes effective. For TMRS member cities, the "Lag" is one year (i.e. the Actuarial Valuation as of December 31, 2018 set the rate effective for Calendar Year 2020.) The Phase In amount reflects contributing a portion of the full rate increase due to changes in the December 31, 2013 and December 31, 2015 actuarial valuations phased in at a rate of 0.50% per year. In addition, it shows the impact of the bases which became fully amortized as of this valuation, since payments for those bases are no longer part of the calculation of the prior service rate.

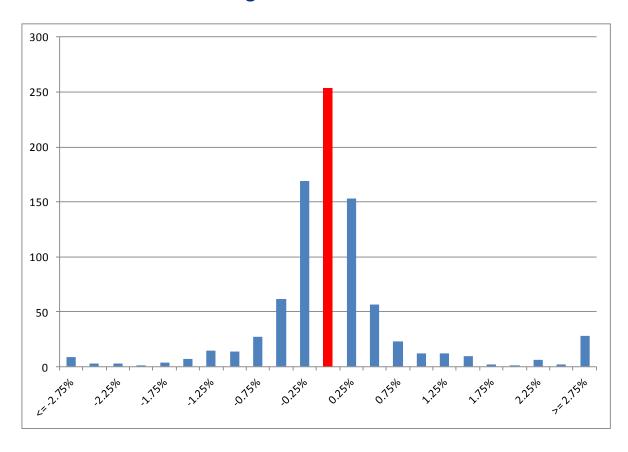
<u>Payroll Growth</u> - Shows the increase or decrease in the contribution rate associated with larger or lower than expected growth in the member city's overall payroll. The amortization payments are calculated assuming payroll grows at a city's assumed rate each year. For most cities the assumed payroll growth is 3.0%. Overall payroll growth in excess of the assumed rate will typically cause a decrease in the amortization rate.

<u>Normal Cost</u> - Shows the increase or decrease in the contribution rate associated with changes in the average Normal Cost Rate for the individual city's population. The normal cost rate for an employee is the contribution rate which, if applied to a member's compensation throughout their period of anticipated covered service with the municipality, would be sufficient to meet all benefits payable on their behalf. The normal cost rate for the employer is the pay-weighted average of the individual normal cost rates and will generally increase (decrease) as the average entry age of the group increases (decreases).

<u>Liability Growth</u> - Shows the increase or decrease in the contribution rate associated with larger or lower than expected growth in the member city's overall plan liabilities than assumed. The most significant sources for variance will be individual salary increases compared to the assumption and turnover.

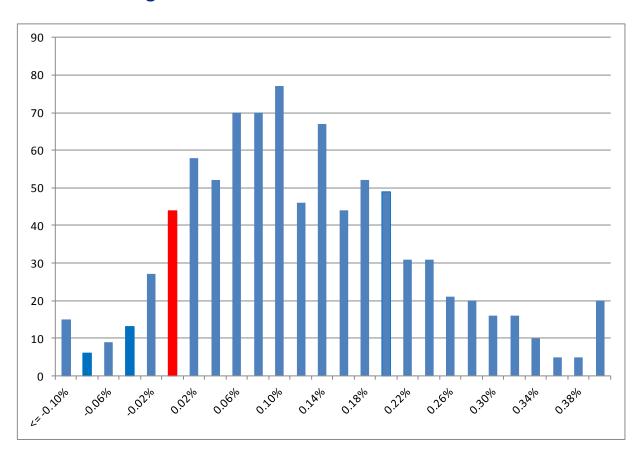


Total Changes in Full Retirement Rate



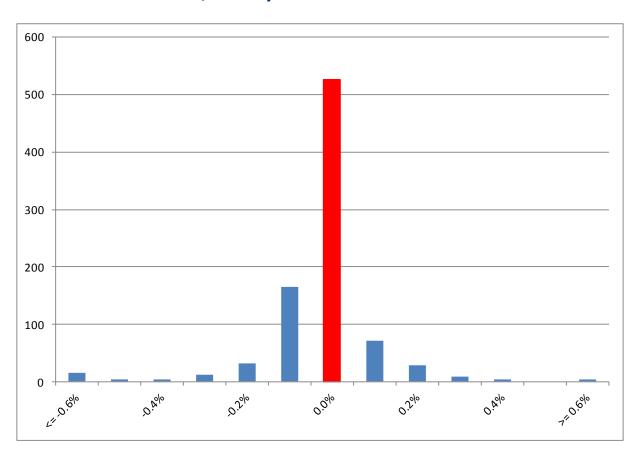


Change Due to Return on Actuarial Value of Assets



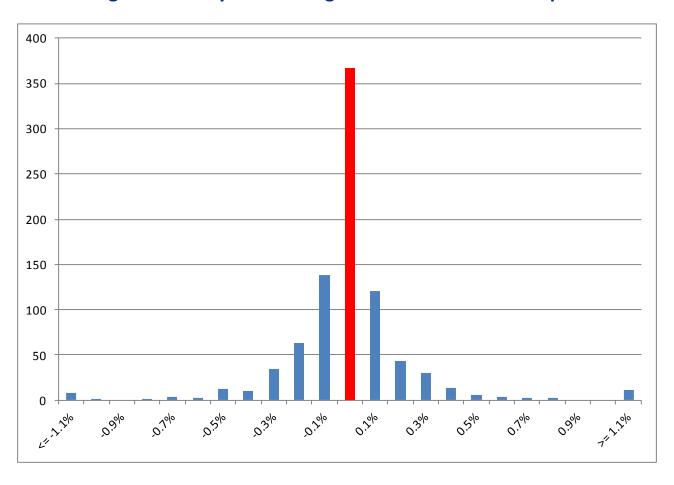


Change Due to Contributions Different than Actuarial Rate and/or Fully Amortized Prior Bases



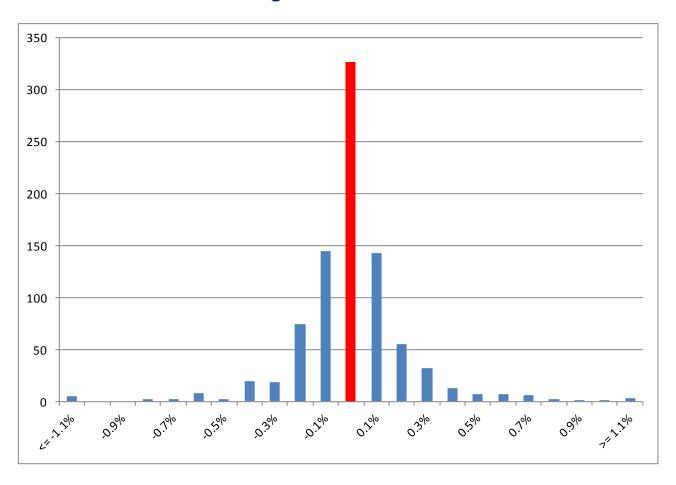


Change Due to Payroll Growing Faster or Slower than Expected



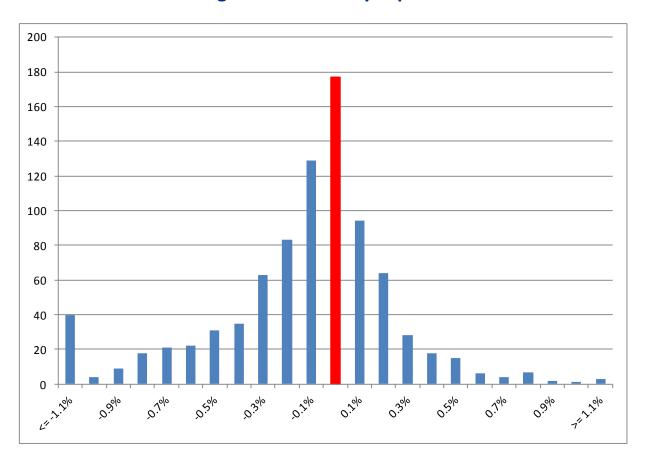


Change Normal Cost Rate





Change Due to Liability Experience





CITY	CITYANAS	2010 5-1	Benefit	Assumption & Method	Return	Contribution Lag/Phase In & Fully Amortized	Payroll	Normal	Liability	Total Cha	2020 Batas
NUMBER	CITY NAME	2019 Rates	Changes	Changes	on AVA	Prior Bases	Growth	Cost		Total Change	Rates
	Abernathy	4.01%	0.00%	0.00%	0.10%		0.09%	0.04%	-0.39%		3.85
	Abilene	10.93%	0.00%	0.00%	0.27%		0.00%	0.00%	-0.14%		11.05
	Addison	10.69%	0.00%	0.00%	0.32%		-0.01%	0.08%	-0.05%		11.06
	Agua Dulce	9.08%	0.00%	0.00%	-0.11%		-1.21%	-0.16%	0.20%		7.77
10	Alamo	6.87%	0.00%	0.00%	0.07%	-0.03%	-0.07%	0.12%	-0.66%	-0.57%	6.30
12	Alamo Heights	16.84%	0.00%	0.00%	0.13%	0.01%	0.18%	0.05%	-0.30%	0.07%	16.91
14	Alba	2.44%	0.00%	0.00%	0.09%	-0.47%	0.00%	-0.02%	-0.08%	-0.48%	1.96
16	Albany	5.24%	0.00%	0.00%	0.05%	0.03%	0.00%	-0.03%	0.19%	0.24%	5.48
17	Aledo	7.46%	0.00%	0.00%	0.04%	0.02%	0.02%	-0.11%	0.07%	0.04%	7.50
18	Alice	4.81%	0.00%	0.00%	0.20%	-0.01%	-0.01%	-0.04%	-0.15%	-0.01%	4.80
10	Allen	14.03%	0.00%	0.00%	0.09%	-0.09%	-0.08%	0.01%	0.04%	-0.03%	14.00
	Alpine	1.06%	0.00%	0.00%	0.03%		0.09%	-0.10%	-0.30%		0.88
	Alto	11.58%	0.00%	0.00%	0.12%		-0.19%	-0.10%	-0.30%		10.75
	Alton	13.90%	0.00%	0.00%	0.02%		-0.04%	-0.01%	-0.59%		13.34
	Alvarado	5.19%	0.00%	0.00%	0.03%	-0.03%	-0.04%	0.16%	0.05%		5.36
26	Alvin	16.88%	0.00%	0.00%	0.18%	-0.02%	0.17%	-0.12%	-0.09%	0.12%	17.00
28	Alvord	5.44%	0.00%	0.00%	0.08%	-0.04%	-0.01%	0.83%	-0.52%	0.34%	5.78
30	Amarillo	12.18%	0.00%	0.00%	0.23%	0.00%	0.02%	-0.03%	-0.19%	0.03%	12.21
32	Amherst	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00
34	Anahuac	8.75%	0.00%	0.00%	0.19%	-0.25%	-0.74%	-0.04%	0.75%	-0.09%	8.66
36	Andrews	15.97%	0.00%	0.00%	0.26%	-0.04%	-0.17%	-0.05%	0.01%	0.01%	15.98
	Angleton	12.35%	0.00%	0.00%	0.15%		0.10%	-0.01%	-0.42%		12.21
	Anna	14.67%	0.00%	0.00%	-0.01%		-0.24%	-0.39%	0.19%		14.09
	Annetta	9.99%	0.00%	0.00%	-0.10%		0.05%	-0.68%	-0.86%		8.82
	Anson	0.54%		0.00%	0.07%		0.03%	0.10%	-0.12%		0.57
	Anthony	2.99%	0.00%	0.00%	0.03%		0.22%	-0.07%	0.00%		3.19
	Aransas Pass	9.71%	0.00%	0.00%	0.10%		0.12%	-0.08%	0.01%		9.79
	Archer City	4.18%	0.00%	0.00%	0.01%		0.01%	0.02%	0.03%		4.25
	Arcola	4.81%	0.00%	0.00%	-0.03%		-0.30%	0.08%	-0.36%		4.05
51	Argyle	13.68%	0.00%	0.00%	0.09%	-0.24%	-0.25%	0.30%	-0.16%	-0.26%	13.42
52	Arlington	15.81%	0.00%	0.00%	0.26%	-0.02%	-0.14%	-0.01%	0.23%	0.32%	16.13
54	Arp	1.68%	0.00%	0.00%	0.16%	-0.01%	-0.03%	0.19%	-0.85%	-0.54%	1.14
60	Aspermont	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00
	Athens	20.79%	-4.92%	0.00%	0.17%	-0.31%	0.10%	0.07%	-0.44%	-5.33%	15.46
	Atlanta	3.58%	0.00%	0.00%	0.09%		0.00%	-0.04%	-0.19%		3.39
	Aubrey	6.13%	0.00%	0.00%	0.01%		-0.06%	-0.21%	0.14%		5.91
	Avinger	2.07%	0.00%	0.00%	0.03%		-0.01%	0.01%	-0.09%		2.02
	Azle	12.23%	0.00%	0.00%	0.09%		-0.09%	-0.05%	0.35%		12.50
	Baird	0.87%	0.00%	0.00%	0.07%		-0.01%	0.14%	0.01%		1.08
/8	Balch Springs	13.83%	0.00%	0.00%	0.06%	-0.03%	-0.05%	-0.14%	-0.07%	-0.23%	13.60
79	Balcones Heights	15.76%	-7.19%	0.00%	0.19%	-0.45%	-0.02%	-0.12%	-0.25%	-7.84%	7.92
80	Ballinger	3.70%	0.00%	0.00%	0.24%	0.00%	0.00%	-0.09%	-0.29%	-0.14%	3.56
82	Balmorhea	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00
83	Bandera	10.40%	0.00%	0.00%	0.11%	-0.05%	0.04%	0.07%	0.25%	0.42%	10.8
84	Bangs	12.80%	0.00%	0.00%	0.18%	0.14%	0.12%	-0.15%	-0.76%	-0.47%	12.3
90	Bartlett	7.87%	0.00%	0.00%	0.07%	0.12%	-0.15%	0.32%	-0.01%	0.35%	8.2
	Bartonville	15.28%	0.00%	0.00%	0.06%		0.17%	-0.18%	0.11%		15.5
	Bastrop	11.37%	0.00%	0.00%	0.05%		-0.14%	-0.18%	0.11%		11.2
	Bay City	9.51%	0.00%	0.00%	0.05%		0.03%	-0.05%	-0.07%		9.6
	Bayou Vista	2.82%	0.00%	0.00%	0.05%		0.13%	-0.37%	0.13%		2.6
96	Baytown	17.63%	0.00%	0.00%	0.18%	-0.07%	-0.40%	-0.04%	0.03%	-0.30%	17.3
98	Beaumont	19.22%	0.00%	0.00%	0.30%	0.02%	0.18%	-0.04%	-0.27%	0.19%	19.4
100	Bedford	9.02%	0.00%	0.00%	-0.01%	-0.02%	-0.03%	-0.04%	0.00%	-0.10%	8.9
101	Bee Cave	9.08%	0.00%	0.00%	0.01%	-0.07%	-0.03%	-0.02%	0.00%	-0.11%	8.9

				Assumption &	_	Contribution Lag/Phase In &					
CITY NUMBER	CITY NAME	2019 Rates	Benefit Changes	Method Changes	Return on AVA	Fully Amortized Prior Bases	Payroll Growth	Normal Cost	Liability Growth	Total Change	2020 Rates
	Beeville	0.83%	0.00%	0.00%	0.15%	0.00%	-0.42%	-0.02%	-0.11%		0.43%
	Bellaire	20.45%	0.00%	0.00%	0.34%	0.02%	0.05%	0.01%	-0.67%		20.20%
109	Bellmead	8.81%	0.00%	0.00%	0.13%	-0.01%	0.00%	-0.17%	-0.13%	-0.18%	8.63%
110	Bells	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
112	Bellville	15.38%	0.00%	0.00%	0.22%	0.08%	0.32%	0.10%	-0.32%	0.40%	15.78%
114	Belton	7.48%	0.42%	0.00%	0.10%	0.02%	-0.01%	0.16%	-0.06%	0.63%	8.11%
118	Benbrook	16.18%	0.00%	0.00%	0.19%	0.03%	0.06%	0.18%	-0.20%	0.26%	16.44%
121	Berryville	3.03%	0.00%	0.00%	0.14%	0.03%	-0.02%	-0.02%	0.23%	0.36%	3.39%
	Bertram	1.98%	0.00%	0.00%	0.06%	-0.01%	-0.01%	-0.37%	0.05%		1.70%
124	Big Lake	17.67%	0.00%	0.00%	0.13%	0.05%	-0.44%	0.09%	0.01%	-0.16%	17.51%
126	Big Sandy	2.44%	0.00%	0.00%	0.18%	-0.01%	0.03%	-0.09%	-0.06%	0.05%	2.49%
	Big Spring	17.19%	0.00%	0.00%	0.22%	0.01%	0.29%	-0.05%	-0.22%		17.44%
	Bishop	3.51%	0.00%	0.00%	0.15%	-0.02%	-0.02%	0.00%	-0.10%		3.52%
	Blanco	1.59%	4.88%	0.00%	0.03%	0.25%	-0.05%	0.00%	-0.15%		6.55%
	Blooming Grove	9.98%	0.00%	0.00%	0.13%	-0.01%	0.00%	-0.03%	0.71%	0.80%	10.78%
	Blossom	3.72%	0.00%	0.00%	0.20%	-0.24%	0.05%	-0.01%	0.39%		4.11%
	Blue Mound	4.64%	0.00%	0.00%	-0.01%	-0.01%	-0.02%	-0.02%	0.10%		4.68%
	Blue Ridge	1.81%	0.00%	0.00%	0.00%	0.02%	0.00%	0.07%	-0.11%		1.79%
	Boerne	18.34%	0.00%	0.00%	0.07%	-0.05%	-0.15%	0.04%	0.10%		18.35%
	Bogata	0.00%	0.00%	0.00%	0.00%	0.00%	0.10%	0.00%	0.04%		0.14%
	Bonham	5.31%	0.00%	0.00%	0.14%	0.01%	0.03%	0.02%	-0.36%		
	Booker	5.85%	0.00%	0.00%	0.08%	-0.03%	0.00%	0.24%	-0.50%		5.64%
	Borger	14.57%	0.00%	0.00%	0.19%	-0.03%	-0.08%	-0.14%	-0.64%		13.87%
	Bovina	0.00% 10.62%	0.00%	0.00%	0.06%	0.00%	0.01%	0.00%	0.16%		0.23% 9.57%
	Bowie		0.00%	0.00%	0.22%	0.02%	0.04%	-0.03%	-1.30%		
	Boyd	4.24%	0.00%	0.00%	0.03%	0.02%	0.01%	-0.24%	0.04%		4.10%
	Brady	10.24%	0.00%	0.00%	0.07%	-0.05%	-0.06%	-0.04%	-0.33%		9.83%
	Brazoria	6.69%	0.00%	0.00%	0.14%	-0.11%	0.00%	-0.40%	-0.68%		5.64%
	Breckenridge Bremond	7.42% 15.95%	0.00% 0.00%	0.00% 0.00%	0.17% 0.01%	-0.08% 0.02%	0.00% 0.40%	0.03% -0.04%	-0.61% -0.37%		6.93% 15.97%
	Brenham	9.72%	0.29%	0.00%	0.18%	0.02%	0.09%	-0.18%	-0.45%		9.67%
	Bridge City	15.07%	0.00%	0.00%	0.21%	-0.02%	-0.06%	-0.10%	0.03%		15.13%
	Bridgeport Bronte	13.88% 12.98%	0.00% 0.00%	0.00% 0.00%	0.14% 0.15%	0.07% -0.12%	0.18% -0.23%	0.33% 0.63%	-0.93% -0.32%		13.67% 13.09%
	Brookshire	5.68%	2.89%	0.00%	0.10%	0.15%	-0.23%	-0.02%	-0.04%		8.68%
	Brownfield	5.11% 10.75%	0.00%	0.00% 0.00%	0.20%	-0.59%	0.02% 1.90%	0.01%	-0.83%		3.92%
	Brownsboro Brownsville	10.75%	0.00% 0.00%	0.00%	-0.07% 0.26%	-0.11% 0.03%	0.16%	-0.03% 0.03%	-2.03% -0.69%		10.41% 16.86%
	Brownsville PUB	17.45%	0.00%	0.00%	0.25%	-0.26%	-0.11%	-0.02%	0.00%		17.21%
	Brownwood	13.13%	0.00%	0.00%	0.19%	0.00%	0.12%	0.00%	-0.07%		13.37%
	Brownwood Health Dept.	9.95%	0.00%	0.00%	0.17%	-0.01%	0.05%	-0.30%	0.78%		10.64%
	Brownwood Public Library	9.93% 4.70%	0.00%	0.00%	0.17%	0.01%	0.03%	-0.38%	0.78%		4.44%
	Bruceville-Eddy	5.24%	0.00%	0.00%	0.06%	-0.02%	0.01%	0.34%	0.09%		5.72%
	Bryan	14.99%	0.00%	0.00%	0.20%	-0.03%	-0.02%	-0.02%	0.07%		15.19%
	Bryson	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%
	Buda	13.94%	0.00%	0.00%	-0.02%	-0.20%	-0.28%	0.08%	0.24%		13.76%
	Buffalo	4.82%	0.00%	0.00%	0.11%	-0.20%	0.00%	0.05%	-0.15%		4.82%
	Bullard	7.68%	0.00%	0.00%	0.01%	-0.04%	-0.11%	-0.05%	-0.13%		7.48%
	Bulverde	9.05%	0.00%	0.00%	0.01%	-0.04%	-0.07%	0.99%	0.06%		10.00%
	Bunker Hill Village	11.70%	0.00%	0.00%	0.37%	0.06%	0.00%	-0.15%	-1.80%		10.18%
200	Burkburnett	10.14%	0.00%	0.00%	0.20%	0.04%	0.05%	0.05%	-0.20%	0.14%	10.28%
	Burleson	15.31%	0.00%	0.00%	0.20%	-0.01%	-0.02%	0.05%	0.03%		15.47%
	Burnet	13.06%	0.00%	0.00%	0.13%	-0.02%	-0.09%	-0.06%	-0.02%		13.00%
	Burton	10.09%	0.00%	0.00%	-0.11%	0.15%	0.15%	0.00%	0.08%		

0.77				Assumption &		Contribution Lag/Phase In &					2020
CITY NUMBER	CITY NAME	2019 Rates	Benefit Changes	Method Changes	Return on AVA	Fully Amortized Prior Bases	Payroll Growth	Normal Cost	Liability Growth	Total Change	2020 Rates
	Cactus	5.09%	0.00%	0.00%	0.00%	-0.03%	0.00%	0.09%	0.03%		5.18%
208	Caddo Mills	6.38%	0.00%	0.00%	0.01%	-0.01%	-0.02%	-0.12%	-0.45%	-0.59%	5.79%
210	Caldwell	9.32%	0.00%	0.00%	0.52%	-0.03%	-0.03%	0.00%	-1.65%	-1.19%	8.13%
212	Calvert	1.04%	0.00%	0.00%	0.03%	-0.01%	0.04%	0.09%	-0.03%	0.12%	1.16%
214	Cameron	10.09%	0.00%	0.00%	0.13%	0.03%	0.21%	0.14%	-0.31%	0.20%	10.29%
216	Campbell	41.81%	0.00%	0.00%	-0.54%	0.58%	0.00%	0.00%	-0.10%	-0.06%	41.75%
220	Canadian	16.23%	0.00%	0.00%	0.12%	0.08%	0.27%	0.16%	0.24%	0.87%	17.10%
	Caney City	1.91%	0.00%	0.00%	-0.02%	-0.03%	-0.02%	-0.15%	-0.26%		1.43%
	Canton	12.08%	0.00%	0.00%	0.11%	-0.01%	0.03%	-0.02%	-0.58%		11.61%
224	Canyon	15.33%	0.00%	0.00%	0.23%	-0.14%	-0.29%	-0.17%	-0.84%	-1.21%	14.12%
	Carmine	2.67%	0.00%	0.00%	0.10%	0.04%	-0.02%	0.00%	-0.84%		1.95%
	Carrizo Springs	5.24%	0.00%	0.00%	0.19%	0.00%	0.01%	0.06%	-0.17%		5.33%
	Carrollton	11.95%	0.00%	0.00%	0.33%	-0.05%	0.00%	-0.02%	-0.09%		12.12%
	Carthage	18.76% 11.43%	0.00%	0.00% 0.00%	0.40% 0.20%	0.17% 0.02%	0.24% 0.16%	-0.07% 0.62%	-1.53%		17.97%
	Castle Hills		0.00%						-0.05%		12.38%
	Castroville	9.06%	0.00%	0.00%	0.12%	0.02%	0.06%	-0.38%	-0.13%		8.75%
	Cedar Hill	13.71%	0.00%	0.00%	0.14%	-0.02%	-0.04%	-0.01%	0.01%		13.79%
	Cedar Park Celeste	14.32%	0.00%	0.00%	0.04%	-0.04%	-0.25%	0.12%	0.17%		14.36%
	Celina	7.60% 6.34%	0.00% 0.00%	0.00% 0.00%	0.01% -0.02%	0.26% -0.12%	0.55% 0.02%	0.69% 0.08%	-0.18% 0.17%		8.93% 6.47%
	Center	13.16%	0.00%	0.00%	0.14%	-0.08%	0.09%	0.00%	-0.91%		12.40%
	Centerville Chandler	21.66% 4.70%	0.00% 0.00%	0.00% 0.00%	0.21% 0.00%	0.68% -0.02%	0.10% -0.16%	0.09%	-0.61% 0.06%		22.13% 4.46%
	Charlotte	6.58%	0.00%	0.00%	0.00%	-0.02%	0.00%	-0.12% 0.05%	-2.82%		4.46% 3.79%
	Chester	1.54%	0.00%	0.00%	0.43%	-0.32%	0.07%	0.03%	-1.11%		0.62%
	Chico Childress	4.00% 14.98%	0.00% 0.00%	0.00% 0.00%	0.09% 0.15%	0.08% 0.03%	-0.09% 0.33%	-0.04% -0.12%	0.22% 0.14%		4.26% 15.51%
	Chillicothe	9.78%	0.00%	0.00%	-0.15%	-0.78%	-0.83%	0.16%	-0.85%		7.33%
	Chireno	20.46%	0.00%	0.00%	0.40%	0.12%	0.05%	-0.01%	0.06%		21.08%
	Christine	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%
255	Cibolo	12.72%	0.00%	0.00%	0.00%	-0.04%	-0.01%	-0.22%	0.04%		12.49%
	Cisco	6.56%	0.00%	0.00%	0.00%	0.02%	-0.01%	-0.22%	-0.20%		6.39%
	Clarendon	1.47%	0.00%	0.00%	0.06%	0.00%	0.00%	-0.07%	-0.07%		1.39%
	Clarksville	2.19%	0.00%	0.00%	0.18%	-0.07%	0.08%	-0.52%	-0.30%		1.56%
260	Clarksville City	4.03%	0.00%	0.00%	0.44%	0.06%	0.02%	-0.05%	-0.10%	0.37%	4.40%
263	Clear Lake Shores	10.88%	0.00%	0.00%	0.01%	-0.07%	-0.03%	-0.21%	0.07%	-0.23%	10.65%
	Cleburne	15.69%	0.00%	0.00%	0.22%	0.06%	0.18%	0.13%	-0.22%		16.06%
	Cleveland	10.77%	0.00%	0.00%	0.13%	0.00%	-0.04%	-0.06%	-0.27%		10.53%
	Clifton	1.76%	0.00%	0.00%	0.09%	0.01%	0.00%	0.02%	0.05%		1.93%
271	Clute	10.25%	0.00%	0.00%	0.20%	-0.06%	-0.03%	-0.01%	-0.06%	0.04%	10.29%
272	Clyde	12.96%	0.00%	0.00%	0.09%	-0.04%	-0.20%	0.25%	-0.08%	0.02%	12.98%
	Coahoma	6.03%	0.00%	0.00%	0.14%	0.00%	0.00%	0.00%	0.10%		6.27%
276	Cockrell Hill	8.18%	0.00%	0.00%	0.09%	0.00%	-0.02%	0.31%	-0.48%	-0.10%	8.08%
278	Coleman	16.54%	0.00%	0.00%	0.23%	-0.01%	-0.06%	0.29%	-0.10%	0.35%	16.89%
280	College Station	13.20%	0.00%	0.00%	0.18%	-0.03%	-0.08%	-0.03%	-0.05%	-0.01%	13.19%
281	Colleyville	8.56%	0.00%	0.00%	0.18%	-0.01%	0.01%	-0.12%	0.32%	0.38%	8.94%
282	Collinsville	5.45%	0.00%	0.00%	0.03%	-0.05%	-0.02%	-0.19%	0.21%	-0.02%	5.43%
	Colmesneil	8.41%	0.00%	0.00%	0.09%	0.09%	0.37%	0.01%	0.08%	0.64%	9.05%
	Colorado City	8.39%	0.00%	0.00%	0.16%	-0.02%	0.00%	-0.20%	-0.29%		8.04%
286	Columbus	12.39%	0.00%	0.00%	0.15%	-0.09%	-0.05%	0.02%	0.04%	0.07%	12.46%
288	Comanche	4.72%	0.00%	0.00%	0.13%	0.02%	0.15%	0.02%	-0.07%	0.25%	4.97%
289	Combes	6.75%	0.00%	0.00%	-0.04%	0.03%	0.20%	0.08%	-0.10%	0.17%	6.92%
	Commerce	8.56%	0.00%	0.00%	0.18%	-0.03%	-0.02%	0.09%	-0.28%		8.50%
294	Conroe	16.17%	0.00%	0.00%	0.20%	0.01%	0.08%	0.03%	-0.25%	0.07%	16.24%

CITY			Benefit	Assumption & Method	Return	Contribution Lag/Phase In & Fully Amortized	Payroll	Normal	Liability		2020
NUMBER	CITY NAME	2019 Rates	Changes	Changes	on AVA	Prior Bases	Growth	Cost	Growth	Total Change	Rates
295	Converse	13.75%	0.00%	0.00%	0.10%	-0.08%	-0.21%	-0.08%	0.24%		13.72%
298	Cooper	4.93%	0.00%	0.00%	0.19%	-0.01%	0.04%	0.03%	-0.16%	0.09%	5.02%
299	Coppell	15.53%	0.00%	0.00%	0.17%	0.02%	0.02%	-0.20%	0.03%	0.04%	15.57%
	Copper Canyon	13.04%	0.00%	0.00%	0.06%	-0.08%	-0.01%	-0.02%	0.30%		13.29%
300	Copperas Cove	11.96%	0.00%	0.00%	0.19%	0.02%	0.15%	-0.07%	-0.19%	0.10%	12.06%
301	Corinth	15.30%	0.00%	0.00%	0.10%	-0.03%	-0.01%	0.25%	-0.27%	0.04%	15.34%
	Corpus Christi	9.57%	15.04%	0.00%	0.26%	0.15%	-0.02%	-0.01%	-0.38%	15.04%	24.61%
	Corrigan	3.83%	0.00%	0.00%	0.05%	-0.02%	0.00%	0.23%	-0.12%		3.97%
	Corsicana	15.51%	0.00%	0.00%	0.31%	-0.11%	-0.07%	0.06%	-0.33%		15.37%
308	Cotulla	6.67%	0.00%	0.00%	0.05%	-0.02%	-0.06%	0.00%	-0.03%	-0.06%	6.61%
310	Crandall	10.68%	0.00%	0.00%	0.05%	-0.06%	0.03%	-0.24%	0.22%	0.00%	10.68%
312	Crane	8.86%	0.00%	0.00%	0.26%	-0.15%	0.17%	0.65%	-1.78%	-0.85%	8.01%
	Crawford	0.98%	0.00%	0.00%	0.03%	0.02%	-0.04%	-0.12%	-0.08%		0.79%
	Crockett	8.10%	0.00%	0.00%	0.24%	-0.02%	0.02%	-0.04%	-0.21%		8.09%
318	Crosbyton	4.87%	0.00%	0.00%	0.28%	0.00%	0.01%	-0.35%	0.21%	0.15%	5.02%
320	Cross Plains	8.39%	0.00%	0.00%	0.29%	0.23%	0.40%	-0.01%	-1.14%	-0.23%	8.16%
321	Cross Roads	7.37%	0.00%	0.00%	-0.07%	-0.24%	-0.23%	0.28%	0.44%	0.18%	7.55%
323	Crowley	10.77%	0.00%	0.00%	0.08%	-0.04%	-0.13%	-0.03%	0.30%	0.18%	10.95%
324	Crystal City	0.85%	0.00%	0.00%	0.15%	-0.03%	-0.12%	0.03%	-0.27%	-0.24%	0.61%
326	Cuero	10.34%	0.00%	0.00%	0.09%	0.00%	0.08%	-0.03%	0.00%	0.14%	10.48%
328	Cumby	2.18%	0.00%	0.00%	0.02%	0.00%	-0.04%	-0.22%	-0.03%	-0.27%	1.91%
332	Daingerfield	6.14%	0.00%	0.00%	0.15%	0.00%	0.00%	0.12%	-0.81%	-0.54%	5.60%
334	Daisetta	1.26%	0.00%	0.00%	0.03%	0.01%	-0.28%	0.05%	-0.15%	-0.34%	0.92%
336	Dalhart	4.68%	0.00%	0.00%	0.13%	0.01%	0.00%	-0.06%	0.02%	0.10%	4.78%
339	Dalworthington Gardens	21.36%	0.00%	0.00%	0.15%	0.15%	0.45%	1.39%	-2.51%	-0.37%	20.99%
340	Danbury	6.15%	0.00%	0.00%	0.04%	0.05%	0.13%	0.08%	-0.71%	-0.41%	5.74%
341	Darrouzett	1.97%	0.00%	0.00%	0.42%	-0.03%	-0.08%	0.45%	1.40%	2.16%	4.13%
344	Dayton	7.28%	0.00%	0.00%	0.05%	-0.05%	-0.07%	0.14%	-0.36%	-0.29%	6.99%
352	De Leon	1.52%	0.00%	0.00%	0.07%	-0.02%	0.00%	0.33%	-0.14%	0.24%	1.76%
10366	DeSoto	10.93%	0.00%	0.00%	0.23%	0.02%	0.05%	0.02%	-0.31%	0.01%	10.94%
346	Decatur	14.65%	0.00%	0.00%	0.09%	0.00%	-0.01%	-0.04%	-0.39%	-0.35%	14.30%
	Deer Park	14.10%	0.00%	0.00%	0.29%	-0.01%	-0.02%	0.00%	-0.58%	-0.32%	13.78%
350	Dekalb	3.03%	0.00%	0.00%	0.05%	-0.01%	0.01%	0.06%	-0.71%	-0.60%	2.43%
354	Del Rio	7.44%	0.00%	0.00%	0.04%	0.03%	0.11%	0.01%	-0.18%	0.01%	7.45%
353	Dell City	10.35%	0.00%	0.00%	0.68%	-0.39%	-1.56%	0.18%	-0.09%	-1.18%	9.17%
356	Denison	12.17%	0.00%	0.00%	0.26%	-0.05%	-0.14%	-0.07%	-0.01%	-0.01%	12.16%
	Denton	17.00%	0.00%	0.00%	0.17%	-0.01%	0.01%	0.03%	0.09%		17.29%
360	Denver City	11.30%	0.00%	0.00%	0.87%	-0.10%	0.42%	0.05%	-1.37%	-0.13%	11.17%
362	Deport	3.18%	0.00%	0.00%	0.10%	-0.35%	-0.25%	-0.57%	-0.23%	-1.30%	1.88%
370	Devine	16.41%	0.00%	0.00%	0.01%	-0.03%	-0.35%	0.09%	0.49%	0.21%	16.62%
371	Diboll	14.04%	0.00%	0.00%	0.25%	0.07%	0.60%	0.17%	-0.46%	0.63%	14.67%
	Dickens	2.51%	0.00%	0.00%	0.00%	0.04%	-0.03%	-0.61%	0.06%		1.97%
	Dickinson	8.89%	0.57%	0.00%	0.09%	0.01%	0.07%	-0.10%	-0.04%		9.49%
	Dilley	7.99%	2.26%	0.00%	0.05%	0.10%	-0.12%	0.01%	-0.15%		10.14%
	Dimmitt	3.72%	0.00%	0.00%	0.22%	-0.05%	-0.16%	0.06%	0.23%		4.02%
	Donna	8.61%	2.60%	0.00%	0.01%	0.07%	-0.32%	0.08%	0.01%		11.06%
	Double Oak	5.47%	1.18%	0.00%	0.01%	0.07%	0.01%	0.51%	-0.20%		7.05%
	Dripping Springs	6.36%	0.00%	0.00%	-0.02%	-0.08%	-0.11%	-0.15%	-0.03%		5.97%
	Driscoll	1.93%	0.00%	0.00%	-0.01%	0.01%	0.00%	0.06%	-0.04%		1.95%
	Dublin	12.43%	0.00%	0.00%	0.06%	-0.09%	-0.33%	0.17%	0.19%		12.43%
	Dumas	5.53%	0.00%	0.00%	0.13%	-0.03%	0.01%	-0.01%	-0.07%		5.56%
	Duncanville	7.65%	0.00%	0.00%	0.13%	-0.03%	-0.05%	-0.01%	-0.07%		5.56% 7.67%
	Eagle Lake	9.31%	0.00%	0.00%	0.34%	0.06%	0.12%	0.31%	-0.22%		8.90%
324	-apic raine	8.40%		0.00/0	0.17/0	0.0070	0.12/0	0.51/0	0.08%	0.41/0	0.50/0

CITY			Benefit	Assumption & Method	Return	Contribution Lag/Phase In & Fully Amortized	Payroll	Normal	Liability		2020
NUMBER	CITY NAME	2019 Rates	Changes	Changes	on AVA	Prior Bases	Growth	Cost	Growth	Total Change	Rates
397	Early	3.48%	0.00%	0.00%	0.09%	0.00%	-0.01%	-0.08%	-0.26%	-0.26%	3.22%
399	Earth	5.06%	0.00%	0.00%	0.04%	-0.03%	-0.06%	0.30%	-0.22%	0.03%	5.09%
393	East Bernard	5.37%	0.00%	0.00%	-0.05%	-0.19%	-0.29%	-0.17%	0.35%	-0.35%	5.02%
401	East Mountain	11.70%	0.00%	0.00%	0.23%	0.35%	-0.47%	0.88%	0.39%	1.38%	13.08%
395	East Tawakoni	5.89%	0.00%	0.00%	0.13%	-0.03%	0.00%	0.05%	-0.77%	-0.62%	5.27%
398	Eastland	9.12%	0.00%	0.00%	0.08%	-0.03%	-0.02%	-0.14%	-0.03%	-0.14%	8.98%
402	Ector	2.00%	0.00%	0.00%	0.03%	0.01%	-0.01%	-0.01%	-0.08%	-0.06%	1.94%
406	Eden	2.86%	0.00%	0.00%	0.21%	0.02%	-0.10%	0.05%	-0.10%	0.08%	2.94%
408	Edgewood	3.03%	0.00%	0.00%	0.03%	-0.02%	-0.03%	0.00%	-0.32%	-0.34%	2.69%
410	Edinburg	14.24%	0.00%	0.00%	0.10%	0.02%	0.05%	0.27%	-0.36%	0.08%	14.32%
412	Edna	10.81%	0.00%	0.00%	0.23%	0.01%	0.30%	0.00%	-0.68%	-0.14%	10.67%
	El Campo	10.60%	0.00%	0.00%	0.19%	-0.03%	-0.16%	0.02%	-0.08%		10.54%
	Eldorado	7.21%	0.00%	0.00%	0.14%	0.00%	0.01%	0.17%	-0.32%		7.21%
418	Electra	2.24%	0.00%	0.00%	0.10%	0.01%	0.03%	-0.09%	0.06%	0.11%	2.35%
	Elgin	13.96%	0.00%	0.00%	0.06%	-0.02%	-0.08%	0.01%	-0.17%		13.76%
	Elkhart	5.04%	0.00%	0.00%	0.18%	-0.01%	0.08%	-0.13%	0.07%		5.23%
	Elmendorf	1.45%	0.00%	0.00%	-0.02%	-0.03%	-0.02%	0.11%	0.09%		1.58%
	Emory	4.50%	2.02%	0.00%	0.06%	0.10%	-0.01%	0.10%	-0.03%		6.74%
	Ennis	16.90%	0.00%	0.00%	0.25%	-0.06%	-0.08%	-0.02%	-0.28%		16.71%
	Euless	17.51%	0.00%	0.00%	0.25%	0.00%	0.02%	-0.02%	-0.06%		17.70%
	Eustace	8.97%	0.00%	0.00%	0.14%	-0.04%	0.31%	0.65%	0.60%		10.63%
	Everman	9.56%	0.00%	0.00%	0.11%	0.02%	0.07%	-0.33%	-0.04%		9.39%
	Fair Oaks Ranch Fairfield	11.72% 8.09%	0.00% 0.00%	0.00% 0.00%	0.01% 0.17%	-0.14% 0.03%	-0.21% -0.05%	0.01% -0.25%	0.32% -0.82%		11.71% 7.17%
	Fairview	10.66%	0.00%	0.00%	-0.01%	-0.04%	-0.03%	0.12%	0.12%		10.77%
	Falfurrias	3.31%	0.00%	0.00%	0.06%	0.02%	0.04%	-0.09%	-0.01%		3.33%
	Falls City	7.63%	0.00%	0.00%	0.00%	-0.14%	0.10%	0.31%	-0.05%		7.85%
	Farmers Branch	18.49%	0.00%	0.00%	0.37%	0.02%	-0.06%	0.04%	0.14%		19.00%
	Farmersville	8.57%	0.00%	0.00%	0.11%	0.00%	0.06%	0.00%	0.00%		8.74%
451	Farwell	14.32%	0.00%	0.00%	0.22%	-0.05%	0.10%	-0.01%	0.66%	0.92%	15.24%
	Fate	9.90%	0.00%	0.00%	-0.02%	-0.09%	-0.01%	1.07%	-0.11%		10.74%
	Fayetteville	2.97%	0.00%	0.00%	0.08%	0.08%	-0.39%	0.03%	0.45%		3.22%
	Ferris	5.31%	0.00%	0.00%	0.09%	-0.02%	0.00%	0.10%	-0.03%		5.45%
	Flatonia	15.66%	0.00%	0.00%	0.16%	-0.11%	0.13%	-0.13%	0.23%		15.94%
460	Florence	4.25%	0.00%	0.00%	0.03%	-0.04%	0.11%	0.32%	-0.33%	0.09%	4.34%
20462	Floresville	10.55%	0.00%	0.00%	0.06%	-0.08%	-0.18%	-0.09%	0.00%	-0.29%	10.26%
463	Flower Mound	10.67%	0.00%	0.00%	0.09%	-0.02%	-0.09%	-0.10%	0.22%	0.10%	10.77%
464	Floydada	10.09%	0.00%	0.00%	0.26%	0.05%	0.25%	-0.32%	-0.33%	-0.09%	10.00%
468	Forest Hill	13.35%	0.00%	0.00%	0.14%	-0.05%	-0.15%	-0.30%	-0.17%	-0.53%	12.82%
470	Forney	13.47%	0.00%	0.00%	0.02%	-0.09%	-0.25%	0.15%	0.50%	0.33%	13.80%
472	Fort Stockton	9.97%	0.00%	0.00%	0.13%	0.00%	0.03%	0.04%	-0.53%	-0.33%	9.64%
	Franklin	3.24%	0.00%	0.00%	0.05%	0.01%	-0.04%	-0.06%	-0.09%		3.11%
	Frankston	1.46%	0.00%	0.00%	0.02%	-0.06%	0.00%	-0.02%	0.05%		1.45%
	Fredericksburg	9.59%	2.09%	0.00%	0.16%	0.12%	0.14%	0.02%	-0.06%		12.06%
	Freeport	13.65%	0.00%	0.00%	0.13%	-0.01%	0.06%	0.56%	-0.09%		14.30%
	Freer	7.05%	0.00%	0.00%	0.04%	0.04%	0.08%	-0.12%	-0.09%	-0.05%	7.00%
	Friendswood	15.69%	0.00%	0.00%	0.04%	-0.02%	-0.06%	0.01%	0.04%		15.84%
	Friona	9.13%	0.00%	0.00%	0.18%	-0.02%	0.06%	-0.14%	-0.01%		9.06%
	Frisco	14.21%	0.00%	0.00%	0.24%	-0.22%	-0.18%	-0.14%	0.15%		14.07%
	Fritch	2.88%	0.00%	0.00%	0.10%	0.02%	-0.13%	-0.82%	-0.37%		1.78%
	Frost	5.58%	0.00%	0.00%	0.30%	0.22%	0.37%	0.00%	0.51%		6.98%
	Fulshear	7.93%	0.00%	0.00%	-0.03%	-0.02%	-0.01%	0.00%	-0.18%		7.69%
	Fulton	19.15%	0.00%	0.00%	0.05%	0.56%	3.04%	-0.21%	0.00%		22.59% 12.17%
492	Gainesville	9.19%	2.89%	0.00%	0.16%	0.15%	0.03%	-0.08%	-0.17%	2.98%	12.17%

				Assumption &		Contribution Lag/Phase In &					
CITY NUMBER	CITY NAME	2019 Rates	Benefit Changes	Method Changes	Return on AVA	Fully Amortized Prior Bases	Payroll Growth	Normal Cost	Liability Growth	Total Change	2020 Rates
494	Galena Park	12.32%	0.00%	0.00%	0.23%	0.01%	0.00%	-0.17%	-0.25%		12.14%
	Ganado	13.59%	0.00%	0.00%	0.31%	0.03%	0.01%	0.11%	-0.89%		13.16%
499	Garden Ridge	7.76%	0.00%	0.00%	0.02%	0.00%	0.00%	-0.26%	-0.13%	-0.37%	7.39%
500	Garland	10.79%	0.00%	0.00%	0.29%	-0.02%	-0.03%	-0.01%	0.01%	0.24%	11.03%
502	Garrison	18.74%	0.00%	0.00%	0.30%	-0.12%	-0.49%	0.34%	-2.27%	-2.24%	16.50%
503	Gary	7.10%	0.00%	0.00%	0.11%	0.00%	0.01%	0.02%	-0.02%	0.12%	7.22%
504	Gatesville	15.05%	0.00%	0.00%	0.18%	0.00%	0.08%	-0.26%	-0.17%	-0.17%	14.88%
505	George West	6.16%	0.00%	0.00%	0.04%	0.02%	0.00%	0.05%	-0.48%	-0.37%	5.79%
506	Georgetown	12.23%	0.00%	0.00%	0.07%	-0.03%	-0.11%	0.00%	-0.03%	-0.10%	12.13%
	Giddings	18.83%	0.00%	0.00%	0.19%	-0.11%	-0.28%	0.16%	-0.60%	-0.64%	18.19%
512	Gilmer	13.66%	0.00%	0.00%	0.15%	0.03%	0.04%	0.08%	-0.62%	-0.32%	13.34%
514	Gladewater	2.56%	5.64%	0.00%	0.12%	0.30%	0.01%	0.14%	-0.15%		8.62%
516	Glen Rose	14.57%	0.00%	0.00%	0.08%	0.02%	0.08%	-0.07%	-0.08%	0.03%	14.60%
517	Glenn Heights	3.13%	-0.19%	0.00%	0.09%	-0.04%	0.09%	-0.04%	-0.17%	-0.26%	2.87%
	Godley	2.53%	0.00%	0.00%	0.02%	-0.01%	-0.07%	0.01%	0.15%	0.10%	2.63%
519	Goldsmith	3.62%	0.00%	0.00%	0.07%	-0.25%	-0.14%	-0.04%	-0.06%	-0.42%	3.20%
	Goldthwaite	22.25%	0.00%	0.00%	0.47%	-0.02%	1.16%	0.00%	-0.36%		23.50%
	Goliad	2.19%	2.14%	0.00%	0.18%	0.05%	0.29%	0.08%	0.06%		4.99%
	Gonzales	10.68%	0.00%	0.00%	0.15%	0.07%	0.29%	0.00%	-0.74%		10.45%
	Gorman	8.55%	0.00%	0.00%	-0.09%	-0.22%	0.40%	0.31%	0.22%		9.17%
532	Graford	2.88%	0.00%	0.00%	0.00%	0.01%	0.00%	-0.02%	0.00%	-0.01%	2.87%
	Graham	10.44%	0.00%	0.00%	0.18%	-0.08%	-0.05%	-0.07%	-0.07%		10.35%
	Granbury	15.97%	0.00%	0.00%	0.16%	-0.05%	-0.31%	-0.04%	-0.06%		15.67%
	Grand Prairie	15.91%	0.96%	0.00%	0.22%	0.03%	-0.10%	-0.04%	-0.15%		16.83%
	Grand Saline	4.23%	4.19%	0.00%	0.22%	0.24%	-0.01%	-0.29%	-1.25%		7.33%
544	Grandview	6.19%	0.00%	0.00%	0.06%	-0.02%	0.05%	-0.07%	0.29%	0.31%	6.50%
	Granger	0.65%	0.00%	0.00%	0.09%	0.00%	0.18%	0.12%	-0.22%		0.82%
	Granite Shoals	5.01%	0.00%	0.00%	0.02%	0.02%	0.00%	0.03%	-0.28%		4.80%
	Grapeland	3.72%	0.00%	0.00%	0.19%	-0.01%	0.04%	0.26%	-0.10%		4.10%
	Grapevine	18.58%	0.00%	0.00%	0.20%	-0.03%	-0.10%	0.04%	-0.16%		18.53%
552	Greenville	10.80%	0.00%	0.00%	0.27%	-0.03%	0.02%	-0.16%	0.10%	0.20%	11.00%
	Gregory	4.09%	0.00%	0.00%	0.27%	0.01%	-0.06%	0.14%	-0.25%		3.96%
	Grey Forest	15.38%	0.00%	0.00%	0.17%	0.01%	-0.02%	-0.04%	0.26%		15.76%
	Groesbeck	2.50%	0.00%	0.00%	0.04%	0.01%	0.01%	-0.03%	-0.03%		2.50%
	Groom	2.90%	0.00%	0.00%	0.07%	-0.08%	0.08%	-0.26%	0.00%		2.71%
	Groves	9.32%	0.00%	0.00%	0.29%	0.03%	0.05%	-0.41%	-0.15%		9.13%
	Groveton	1.99%	0.00%	0.00%	0.29%	0.03%	-0.01%	0.01%	-0.15%		2.03%
	Gruver	1.99%	0.00%	0.00%	0.02%	0.03%	0.12%	0.01%	0.56%		14.49%
	Gun Barrel City	5.10%	0.00%	0.00%	0.44%	-0.06%	-0.04%	0.24%	-0.48%		4.70%
	Gunter	3.10%	0.00%	0.00%	0.00%	0.04%	0.10%	-0.01%	0.05%		4.70%
	Hale Center	1.96%	0.00%	0.00%	0.02%	0.00%	0.00%	0.01%	-0.01%		1.98%
	Hallettsville	11.77%	0.00%	0.00%	0.17%	-0.02%	0.06%	0.01%	-0.15%		11.84%
	Hallsville	3.02% 18.84%	0.00%	0.00% 0.00%	0.01%	-0.02%	-0.15% 0.18%	0.21%	-0.14%		2.93%
	Haltom City Hamilton	18.84% 17.88%	0.00% 0.00%	0.00%	0.26% 0.21%	0.03% -0.09%	0.18% -0.53%	0.06%	-0.32% -0.76%		19.05% 15.10%
								-1.61%			15.10%
	Hamlin	13.93%	0.00%	0.00%	0.28%	0.04%	0.20%	-0.07%	-2.69%		11.69%
	Нарру	8.33%	0.00%	0.00%	0.22%	-0.82%	0.00%	0.00%	0.42%		8.15%
	Harker Heights	14.89%	0.00%	0.00%	0.10%	0.00%	-0.02%	-0.06%	-0.14%		14.77%
	Harlingen	10.49%	0.00%	0.00%	0.69%	-0.05%	0.45%	0.01%	0.07%		11.66%
	Harlingen Waterworks Sys	1.87%	0.00%	0.00%	0.21%	0.00%	-0.01%	0.03%	-0.18%	0.05%	1.92%
	Hart	3.93%	0.00%	0.00%	0.04%	-0.06%	-0.14%	0.00%	0.20%		3.97%
	Haskell	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%
	Haslet	8.79%	0.00%	0.00%	0.02%	-0.05%	0.01%	-0.09%	-0.05%		8.63%
588	Hawkins	14.79%	0.00%	0.00%	0.18%	0.01%	0.09%	0.09%	-9.10%	-8.73%	6.06%

CITY				Assumption &	Datama	Contribution Lag/Phase In &	Darmall	Namal	Linkilia		2020
CITY NUMBER	CITY NAME	2019 Rates	Benefit Changes	Method Changes	Return on AVA	Fully Amortized Prior Bases	Payroll Growth	Normal Cost	Liability Growth	Total Change	2020 Rates
	Hays	3.20%	0.00%	0.00%	0.52%	-0.90%	1.42%	0.01%	4.18%		8.43%
590	Hearne	15.08%	0.00%	0.00%	0.11%	-0.09%	-0.05%	0.08%	-0.15%	-0.10%	14.98%
591	Heath	11.14%	0.00%	0.00%	0.06%	-0.03%	-0.05%	0.14%	0.29%	0.41%	11.55%
	Hedley	4.12%	0.00%	0.00%	0.13%	0.15%	-1.62%	0.72%	-1.05%		2.45%
595	Hedwig Village	7.22%	0.00%	0.00%	0.10%	-0.01%	-0.01%	0.02%	0.01%	0.11%	7.33%
593	Helotes	6.57%	0.15%	0.00%	0.03%	0.00%	-0.02%	-0.10%	-0.06%	0.00%	6.57%
	Hemphill	7.78%	0.00%	0.00%	0.08%	-0.01%	0.02%	-0.30%	-0.24%		7.33%
	Hempstead	7.90%	0.00%	0.00%	0.10%	-0.02%	0.01%	-0.07%	-0.14%		7.78%
	Henderson	15.15%	1.25%	0.00%	0.18%	-0.01%	-0.04%	0.20%	-0.62%		16.11%
600	Henrietta	14.80%	0.00%	0.00%	0.13%	0.02%	0.03%	0.02%	-0.26%	-0.06%	14.74%
	Hereford	10.56%	0.00%	0.00%	0.17%	0.02%	0.13%	-0.03%	-0.51%		10.34%
	Hewitt	15.76%	0.00%	0.00%	0.10%	0.00%	-0.01%	-0.37%	0.00%		15.48%
	Hickory Creek Hico	12.07%	0.00% 3.47%	0.00%	0.05%	-0.03%	-0.05%	-0.11%	0.02%		11.95%
	Hidalgo	4.83% 12.73%	0.00%	0.00% 0.00%	0.14% 0.07%	0.21% 0.02%	-0.03% 0.01%	-0.28% -0.16%	-0.04% -0.01%		8.30% 12.66%
	Higgins	3.46%	0.00%	0.00%	0.28%	0.01%	-0.05%	0.68%	-0.31%		4.07%
	Highland Park	5.41% 13.35%	0.00%	0.00% 0.00%	0.31% 0.10%	-0.07% -0.01%	0.02% -0.01%	-0.03% -0.04%	0.00% -0.08%	0.23% -0.04%	5.64%
	Highland Village Hill Country Village	3.71%	0.00% 0.00%	0.00%	0.10%	-0.01%	0.01%	-0.04%	0.03%		13.31% 3.79%
	Hillsboro	11.05%	0.00%	0.00%	0.07%	0.00%	0.02%	0.07%	-0.05%		11.28%
	Hilshire Village Hitchcock	12.99% 4.23%	0.00% 0.00%	0.00% 0.00%	-0.38% 0.07%	-2.11% 0.03%	-0.16% 0.00%	-0.14% 0.14%	0.78% -0.29%	-2.01% -0.05%	10.98% 4.18%
	Holland	4.23% 8.00%	0.00%	0.00%	0.07%	0.03%	0.00%	0.14%	-0.29%		4.18% 7.08%
	Holliday	2.72%	0.00%	0.00%	0.10%	0.01%	-0.02%	0.00%	-0.18%		2.64%
	Hollywood Park	8.80%	0.00%	0.00%	0.08%	-0.04%	-0.14%	-0.02%	0.13%		8.81%
	Hondo	8.38%	0.00%	0.00%	0.13%	-0.04%	-0.03%	-0.03%	-0.19%		8.22%
	Honey Grove	7.75%	0.00%	0.00%	0.13%	-0.04%	0.03%	0.35%	-0.19%		7.29%
	Hooks	13.49%	0.00%	0.00%	0.23%	-0.02%	-0.05%	-0.08%	0.04%		13.46%
	Howe	5.42%	0.00%	0.00%	0.11%	-0.16%	0.02%	0.11%	-0.25%		5.25%
	Hubbard	0.79%	0.00%	0.00%	0.04%	0.01%	-0.04%	0.08%	-0.11%		0.77%
628	Hudson	4.36%	0.00%	0.00%	0.04%	-0.01%	-0.02%	-0.01%	-0.19%	-0.19%	4.17%
	Hudson Oaks	11.96%	0.00%	0.00%	0.02%	-0.09%	-0.02%	-0.02%	0.35%		12.20%
	Hughes Springs	9.08%	0.00%	0.00%	0.28%	-0.32%	-0.05%	0.02%	-0.38%		8.63%
	Humble	13.43%	0.00%	0.00%	0.17%	-0.01%	0.00%	0.07%	-0.05%	0.18%	13.61%
633	Hunters Creek Village	16.23%	0.00%	0.00%	0.08%	-0.12%	-0.29%	-0.06%	1.31%	0.92%	17.15%
634	Huntington	14.12%	0.00%	0.00%	0.15%	0.00%	0.03%	-0.17%	0.14%	0.15%	14.27%
	Huntsville	18.37%	0.00%	0.00%	0.23%	-0.01%	0.11%	-0.03%	-0.09%		18.58%
	Hurst	10.85%	0.11%	0.00%	0.27%	0.04%	0.07%	-0.03%	-0.20%		11.11%
638	Hutchins	8.70%	0.00%	0.00%	0.05%	-0.05%	-0.09%	0.12%	0.34%	0.37%	9.07%
640	Hutto	12.09%	0.00%	0.00%	0.00%	-0.23%	-0.04%	-0.02%	0.24%	-0.05%	12.04%
641	Huxley	1.26%	0.00%	0.00%	0.15%	-0.01%	-0.06%	0.10%	-0.54%	-0.36%	0.90%
642	Idalou	4.35%	0.00%	0.00%	0.03%	0.03%	0.02%	0.00%	-0.38%	-0.30%	4.05%
643	Ingleside	9.87%	0.00%	0.00%	0.04%	-0.87%	0.08%	-0.01%	-0.24%	-1.00%	8.87%
	Ingram	5.74%	0.00%	0.00%	0.08%	0.00%	0.00%	-0.09%	0.00%	-0.01%	5.73%
647	Iowa Colony	19.31%	0.00%	0.00%	-0.31%	-1.63%	-2.48%	0.40%	-1.14%	-5.16%	14.15%
644	Iowa Park	14.69%	0.00%	0.00%	0.32%	-0.07%	0.08%	0.13%	-0.39%	0.07%	14.76%
645	Iraan	17.00%	0.00%	0.00%	0.33%	-0.02%	-0.07%	-0.08%	0.42%	0.58%	17.58%
	Irving	14.34%	0.00%	0.00%	0.31%	-0.02%	-0.09%	-0.07%	-0.01%		14.46%
	Italy	3.09%	0.00%	0.00%	0.02%	0.01%	-0.19%	0.15%	-0.09%		2.99%
652	Itasca	10.37%	0.00%	0.00%	0.10%	-0.08%	0.15%	0.09%	0.07%	0.33%	10.70%
	Jacinto City	7.78%	0.00%	0.00%	0.11%	0.03%	0.04%	-0.05%	0.06%	0.19%	7.97%
	Jacksboro	14.25%	0.00%	0.00%	0.12%	0.02%	0.08%	0.61%	-0.16%		14.92%
	Jacksonville	10.76%	0.00%	0.00%	0.19%	-0.04%	-0.01%	-0.16%	-0.13%		
660	Jasper	8.94%	0.00%	0.00%	0.19%	-0.04%	-0.07%	0.12%	-0.05%	0.15%	9.09%

				Assumption &		Contribution Lag/Phase In &					
CITY NUMBER	CITY NAME	2019 Rates	Benefit Changes	Method Changes	Return on AVA	Fully Amortized Prior Bases	Payroll Growth	Normal Cost	Liability Growth	Total Change	2020 Rates
	Jefferson	1.22%	0.00%	0.00%	0.08%	-0.47%	0.06%	0.12%	-0.12%		0.89%
	Jersey Village	14.73%	0.00%	0.00%	0.14%	-0.04%	-0.02%	0.11%	-0.87%		14.05%
666	Jewett	9.32%	0.00%	0.00%	0.53%	0.11%	0.43%	-0.37%	0.58%	1.28%	10.60%
668	Joaquin	4.67%	0.00%	0.00%	0.06%	-0.12%	-0.56%	-0.03%	0.54%	-0.11%	4.56%
670	Johnson City	10.09%	0.00%	0.00%	0.08%	0.00%	-0.15%	0.07%	-0.31%	-0.31%	9.78%
673	Jones Creek	6.44%	0.00%	0.00%	0.09%	-0.15%	-0.48%	-0.11%	0.23%	-0.42%	6.02%
675	Jonestown	7.00%	0.00%	0.00%	0.01%	0.00%	-0.02%	0.29%	0.04%	0.32%	7.32%
	Josephine	6.35%	0.00%	0.00%	-0.02%	-0.19%	-0.07%	0.07%	-0.19%		5.95%
	Joshua	5.97%	0.00%	0.00%	0.06%	0.01%	0.00%	0.10%	-0.44%		5.70%
672	Jourdanton	6.04%	0.00%	0.00%	0.07%	0.02%	0.02%	0.25%	-0.32%	0.04%	6.08%
	Junction	14.71%	0.00%	0.00%	0.23%	-0.20%	-0.69%	-0.10%	0.58%		14.53%
	Justin	7.66%	0.00%	0.00%	0.00%	-0.12%	-0.09%	0.04%	-0.06%		7.43%
	Karnes City	5.23%	3.56%	0.00%	0.06%	0.23%	0.13%	-0.03%	-0.44%		8.74%
	Katy Kaufman	14.05% 9.30%	0.00% 4.62%	0.00% 0.00%	0.09% 0.19%	-0.13% 0.28%	-0.33% 0.25%	0.12% 0.19%	-0.18% -0.05%		13.62% 14.78%
	Keene	12.02%	0.00%	0.00%	0.16%	0.11%	0.28%	0.28%	-0.68%		12.17%
	Keller Kemah	15.45% 7.04%	0.00% 0.00%	0.00% 0.00%	0.17% 0.09%	0.03% -0.03%	0.20% -0.01%	-0.04%	0.02% -0.32%		15.83% 6.93%
	Kemp	5.04%	0.00%	0.00%	0.09%	0.01%	0.01%	0.16% 0.05%	0.66%		5.79%
	Kenedy	4.23%	0.00%	0.00%	0.02%	-0.01%	0.01%	-0.05%	-0.27%		3.93%
	Kennedale	13.85%	0.00%	0.00%	0.10%	0.03%	0.15%		-0.32%		13.57%
	Kerens	8.32%	0.00%	0.00%	-0.04%	0.03%	-0.21%	-0.24% 0.12%	-0.32% -0.06%		8.15%
	Kermit	16.16%	0.00%	0.00%	0.15%	-0.01%	-0.21%	-0.15%	-0.18%		15.71%
	Kerrville	10.05%	0.00%	0.00%	0.20%	0.00%	-0.02%	0.01%	-0.11%		10.13%
	Kerrville PUB	12.04%	0.00%	0.00%	0.29%	-0.07%	0.16%	-0.04%	-0.32%		12.06%
10696	Kilgore	14.21%	0.00%	0.00%	0.23%	-0.04%	0.00%	0.09%	-0.71%	-0.43%	13.78%
	Killeen	9.91%	1.07%	0.00%	0.15%	0.12%	0.23%	-0.01%	-0.20%		11.27%
700	Kingsville	8.68%	0.00%	0.00%	0.22%	0.01%	0.03%	0.00%	-0.14%		8.80%
701	Kirby	14.65%	0.00%	0.00%	0.12%	0.00%	-0.12%	0.21%	-0.09%	0.12%	14.77%
702	Kirbyville	5.46%	0.00%	0.00%	0.09%	0.00%	0.00%	0.15%	0.12%	0.36%	5.82%
704	Knox City	2.58%	0.00%	0.00%	0.10%	-0.02%	0.05%	-0.20%	-0.14%	-0.21%	2.37%
706	Kosse	5.18%	0.00%	0.00%	-0.08%	0.05%	-0.02%	-0.01%	0.24%	0.18%	5.36%
708	Kountze	1.33%	0.00%	0.00%	0.02%	-0.01%	0.00%	-0.02%	0.06%	0.05%	1.38%
	Kress	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%
699	Krugerville	8.62%	0.00%	0.00%	-0.06%	-0.04%	0.01%	0.00%	-0.36%	-0.45%	8.17%
707	Krum	5.73%	1.08%	0.00%	0.00%	-0.02%	0.00%	-0.22%	0.00%	0.84%	6.57%
	Kyle	12.49%	0.00%	0.00%	0.01%	-0.05%	-0.14%	0.10%	0.11%		12.52%
	La Coste	1.48%	0.00%	0.00%	0.03%	0.00%	-0.01%	-0.03%	-0.17%		1.30%
	La Feria	11.05%	0.00%	0.00%	0.10%	0.08%	0.19%	-0.08%	-0.11%		11.23%
	La Grange	14.83%	0.00%	0.00%	0.23%	-0.02%	-0.01%	-0.13%	-0.84%		14.06%
	La Grulla	5.64%	0.00%	0.00%	0.06%	0.07%	-0.31%	0.26%	-0.59%		5.13%
	La Joya	6.21%	0.00%	0.00%	0.01%	0.07%	0.61%	0.04%	-0.11%		6.83%
	La Marque	14.79%	0.00%	0.00%	0.13%	-0.06%	-0.17%	-0.39%	-0.38%		13.92%
	La Porte La Vernia	15.53% 3.28%	0.00% 0.00%	0.00% 0.00%	0.36% -0.03%	-0.01% -0.10%	0.07% -0.20%	-0.02% -0.06%	-0.55% 0.23%		15.38% 3.12%
	Lacy-Lakeview	14.36%	0.00%	0.00%	0.10%	-0.01%	0.05%	-0.01%	-0.09%		14.40%
	Ladonia Lago Vista	4.54% 7.77%	0.00% 0.00%	0.00% 0.00%	0.13% 0.06%	0.07% -0.04%	0.18% -0.03%	-1.68% 0.07%	0.02% 0.29%		3.26% 8.12%
	Laguna Vista	7.77% 4.55%	0.00%	0.00%	0.06%	-0.04%	0.03%	0.07%	-0.22%		8.12% 4.32%
	Lake Dallas	12.54%	0.00%	0.00%	0.02%	-0.05%	-0.08%	0.45%	0.02%		13.06%
	Lake Jackson Lake Worth	11.98% 13.29%	0.00% 3.62%	0.00% 0.00%	0.22% 0.12%	-0.01% 0.16%	-0.01% -0.27%	-0.15% 0.22%	0.01% -1.09%		12.04% 16.05%
	Lakeport	0.00%	0.00%	0.00%	0.12%	0.10%	0.00%	0.22%	0.00%		0.00%
	Lakeside	8.13%		0.00%	0.02%	-0.02%	-0.06%	0.07%	0.41%		

CITY				Assumption & Method	Datum	Contribution Lag/Phase In &	Dougall	Normal	Liability		2020
NUMBER	CITY NAME	2019 Rates	Benefit Changes	Changes	Return on AVA	Fully Amortized Prior Bases	Payroll Growth	Normal Cost	Growth	Total Change	Rates
	Lakeside City	2.47%	0.00%	0.00%	0.06%	0.04%	0.00%	0.11%	-0.60%		2.08%
	Lakeway	13.92%	0.00%	0.00%	0.04%	-0.04%	-0.13%	-0.16%	0.27%	-0.02%	13.90%
722	Lamesa	4.45%	0.00%	0.00%	0.28%	-0.02%	0.02%	0.01%	0.02%	0.31%	4.76%
724	Lampasas	15.24%	0.00%	0.00%	0.14%	0.02%	0.04%	0.03%	0.08%	0.31%	15.55%
726	Lancaster	13.39%	0.00%	0.00%	0.17%	-0.04%	-0.28%	0.08%	0.13%	0.06%	13.45%
730	Laredo	20.78%	0.00%	0.00%	0.13%	-0.01%	-0.14%	-0.03%	0.04%	-0.01%	20.77%
733	Lavon	5.28%	1.11%	0.00%	0.01%	0.04%	0.00%	-0.03%	0.10%	1.23%	6.51%
736	League City	15.05%	0.00%	0.00%	0.15%	0.00%	-0.13%	0.00%	-0.35%	-0.33%	14.72%
737	Leander	12.23%	0.00%	0.00%	0.00%	-0.08%	-0.20%	-0.01%	0.10%	-0.19%	12.04%
735	Lefors	3.94%	0.00%	0.00%	-0.06%	-0.06%	0.18%	0.07%	-0.02%	0.11%	4.05%
739	Leon Valley	13.25%	3.64%	0.00%	0.31%	0.13%	-0.47%	0.01%	0.25%	3.87%	17.12%
738	Leonard	1.93%	0.00%	0.00%	0.05%	-0.03%	0.02%	-0.38%	-0.44%	-0.78%	1.15%
740	Levelland	11.69%	0.00%	0.00%	0.32%	-0.04%	0.01%	0.30%	-0.84%	-0.25%	11.44%
742	Lewisville	16.28%	0.00%	0.00%	0.19%	0.00%	-0.04%	0.05%	0.09%	0.29%	16.57%
744	Lexington	8.55%	0.00%	0.00%	0.27%	-0.02%	-0.12%	-0.04%	0.18%	0.27%	8.82%
746	Liberty	17.83%	0.00%	0.00%	0.05%	-0.03%	0.34%	-0.10%	-0.61%	-0.35%	17.48%
745	Liberty Hill	6.87%	0.00%	0.00%	-0.06%	-0.28%	-0.08%	0.11%	0.52%	0.21%	7.08%
748	Lindale	14.61%	0.00%	0.00%	0.05%	0.03%	-0.07%	0.10%	0.07%	0.18%	14.79%
750	Linden	1.23%	0.00%	0.00%	0.08%	-0.01%	-0.01%	0.03%	-0.04%	0.05%	1.28%
755	Lipan	2.46%	0.00%	0.00%	0.03%	-0.01%	-0.01%	-0.01%	0.00%	0.00%	2.46%
751	Little Elm	13.18%	0.00%	0.00%	0.00%	-0.13%	-0.22%	0.17%	0.47%	0.29%	13.47%
	Littlefield	9.25%	0.00%	0.00%	0.22%	-0.02%	-0.04%	0.14%	-0.62%		8.93%
753	Live Oak	17.95%	0.00%	0.00%	0.19%	-0.07%	0.07%	0.16%	-0.04%		18.26%
757	Liverpool	2.68%	0.00%	0.00%	-0.04%	-0.16%	-0.03%	-0.17%	-0.34%	-0.74%	1.94%
754	Livingston	14.81%	0.00%	0.00%	0.23%	-0.12%	-0.01%	-0.14%	0.79%	0.75%	15.56%
756	Llano	14.67%	0.00%	0.00%	0.12%	-0.04%	-0.09%	-0.23%	0.16%	-0.08%	14.59%
	Lockhart	13.00%	0.00%	0.00%	0.20%	-0.04%	-0.16%	-0.06%	-0.13%		12.81%
	Lockney	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%
765	Lone Star	2.13%	0.00%	0.00%	0.19%	-0.02%	0.03%	-0.17%	0.38%	0.41%	2.54%
766	Longview	10.75%	0.00%	0.00%	0.22%	0.02%	0.09%	-0.02%	-0.20%	0.11%	10.86%
768	Loraine	2.63%	0.00%	0.00%	0.06%	0.03%	-0.10%	1.09%	-0.32%	0.76%	3.39%
	Lorena	6.67%	4.01%	0.00%	0.06%	0.20%	-0.18%	0.02%	0.00%		10.78%
	Lorenzo	2.04%	0.00%	0.00%	0.09%	-0.08%	0.17%	0.18%	-0.15%		2.25%
771	Los Fresnos	3.21%	3.80%	0.00%	0.07%	0.23%	0.00%	0.02%	0.01%	4.13%	7.34%
773	Lott	1.20%	0.00%	0.00%	0.01%	-0.03%	0.03%	0.04%	-0.01%	0.04%	1.24%
774	Lovelady	8.95%	0.00%	0.00%	0.02%	0.08%	0.05%	-0.43%	-1.02%	-1.30%	7.65%
	Lubbock	17.71%	0.00%	0.00%	0.33%	0.00%	0.00%	0.01%	-0.48%		17.57%
	Lucas	12.83%	0.00%	0.00%	-0.01%	-0.15%	-0.22%	0.04%	0.01%		12.50%
	Lufkin	16.34%	0.00%	0.00%	0.26%	0.02%	0.06%	-0.04%	-0.47%	-0.17%	16.17%
784	Luling	9.30%	0.00%	0.00%	0.14%	-0.09%	-0.30%	-0.12%	-0.33%	-0.70%	8.60%
785	Lumberton	16.59%	0.00%	0.00%	0.14%	0.01%	0.03%	0.01%	-0.80%	-0.61%	15.98%
	Lyford	4.21%	0.00%	0.00%	0.01%	-0.06%	0.12%	-0.11%	-0.10%		4.07%
	Lytle	9.74%	0.00%	0.00%	0.06%	-0.01%	0.08%	-0.16%	0.52%		10.23%
	, Madisonville	9.17%	0.00%	0.00%	0.09%	0.01%	0.13%	0.03%	0.06%		9.49%
791	Magnolia	1.67%	0.00%	0.00%	0.02%	0.00%	0.00%	-0.05%	-0.02%	-0.05%	1.62%
792	Malakoff	7.46%	0.23%	0.00%	0.05%	-0.02%	-0.08%	-0.10%	0.10%	0.18%	7.64%
	Manor	4.24%	4.63%	0.00%	0.00%	0.26%	-0.22%	0.06%	0.14%		9.11%
	Mansfield	14.95%	0.00%	0.00%	0.12%	-0.06%	-0.09%	0.04%	0.43%		15.39%
	Manvel	11.60%	0.00%	0.00%	-0.02%	-0.15%	-0.45%	-0.17%	-0.11%		10.70%
800	Marble Falls	5.78%	3.59%	0.00%	0.13%	0.21%	-0.07%	-0.02%	0.14%	3.98%	9.76%
ุรกว	Marfa	2.69%	0.00%	0.00%	0.09%	0.00%	0.20%	0.01%	0.22%	0.52%	3.21%
	Marion	5.20%	0.00%	0.00%	0.03%	0.01%	-0.29%	0.01%	-1.66%		3.42%
	Marlin	8.91%	0.00%	0.00%	0.11%	-0.12%	-0.16%	0.07%	-0.10%		8.71%
	Marshall	16.17%		0.00%	0.35%	-0.01%	0.04%	-0.08%	-0.35%		

			_	Assumption &		Contribution Lag/Phase In &					
CITY NUMBER	CITY NAME	2019 Rates	Benefit Changes	Method Changes	Return on AVA	Fully Amortized Prior Bases	Payroll Growth	Normal Cost	Liability Growth	Total Change	2020 Rates
	Mart	1.63%	0.00%	0.00%	0.14%	-0.02%	0.30%	-0.18%	0.16%		2.03%
813	Martindale	13.33%	0.00%	0.00%	-0.10%	-0.61%	-1.12%	0.02%	0.50%		12.02%
814	Mason	6.90%	0.00%	0.00%	0.15%	0.04%	0.10%	-0.14%	-0.48%	-0.33%	6.57%
816	Matador	6.38%	0.00%	0.00%	0.11%	0.21%	1.23%	0.16%	-0.13%	1.58%	7.96%
818	Mathis	4.31%	0.00%	0.00%	0.08%	-0.02%	-0.01%	-0.38%	-0.34%	-0.67%	3.64%
820	Maud	3.62%	0.00%	0.00%	-0.03%	-0.01%	-0.16%	0.22%	-0.17%	-0.15%	3.47%
822	Maypearl	2.70%	0.00%	0.00%	0.06%	0.07%	0.02%	-0.09%	-0.07%	-0.01%	2.69%
824	McAllen	7.76%	0.00%	0.00%	0.14%	0.01%	0.04%	-0.02%	-0.12%	0.05%	7.81%
826	McCamey	1.64%	0.00%	0.00%	0.10%	0.02%	-0.07%	-0.14%	0.12%	0.03%	1.67%
828	McGregor	9.87%	0.00%	0.00%	0.08%	-0.03%	-0.03%	-0.02%	-0.22%	-0.22%	9.65%
830	McKinney	15.07%	0.00%	0.00%	0.07%	-0.06%	-0.19%	0.00%	0.01%	-0.17%	14.90%
832	McLean	2.18%	0.00%	0.00%	0.16%	0.00%	0.02%	0.32%	-0.10%	0.40%	2.58%
833	McLendon-Chisholm	8.53%	0.00%	0.00%	-0.14%	-6.03%	0.26%	-1.20%	0.10%	-7.01%	1.52%
834	Meadow	4.56%	0.00%	0.00%	-0.07%	-0.06%	-0.31%	0.00%	0.12%	-0.32%	4.24%
831	Meadowlakes	2.41%	0.00%	0.00%	0.01%	0.01%	0.00%	-0.03%	-0.02%	-0.03%	2.38%
835	Meadows Place	8.81%	0.85%	0.00%	0.18%	0.03%	-0.20%	-0.14%	0.01%	0.73%	9.54%
837	Melissa	13.10%	0.00%	0.00%	-0.02%	-0.17%	-0.34%	0.06%	0.21%	-0.26%	12.84%
1501	Memorial Villages PD	11.03%	0.00%	0.00%	0.19%	0.05%	0.33%	-0.05%	0.06%	0.58%	11.61%
840	Memphis	3.52%	0.00%	0.00%	0.20%	-0.04%	0.06%	-0.10%	-0.05%	0.07%	3.59%
842	Menard	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
844	Mercedes	18.12%	0.00%	0.00%	0.16%	0.06%	0.19%	0.27%	-0.71%	-0.03%	18.09%
	Meridian	3.16%	0.00%	0.00%	0.07%	-0.02%	0.05%	0.08%	-0.38%		2.96%
	Merkel	11.69%	0.00%	0.00%	0.08%	-0.11%	-0.08%	0.03%	-0.11%		11.50%
852	Mertzon	13.21%	0.00%	0.00%	0.08%	-0.12%	-1.73%	0.17%	0.20%	-1.40%	11.81%
854	Mesquite	12.69%	3.82%	0.00%	0.28%	0.19%	-0.13%	0.01%	-0.24%	3.93%	16.62%
856	Mexia	12.29%	0.00%	0.00%	0.15%	0.04%	0.06%	0.08%	-0.51%	-0.18%	12.11%
	Miami	13.85%	0.00%	0.00%	-0.21%	-1.83%	-0.28%	0.00%	-0.07%		11.46%
	Midland	14.21%	0.00%	0.00%	0.28%	-0.01%	0.13%	0.02%	-0.22%		14.41%
862	Midlothian	14.29%	0.00%	0.00%	0.06%	-0.08%	-0.23%	0.37%	0.35%	0.47%	14.76%
863	Milano	10.77%	0.00%	0.00%	-0.09%	0.67%	0.17%	-0.01%	-0.02%	0.72%	11.49%
864	Miles	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Milford	9.16%	0.00%	0.00%	0.24%	-0.06%	0.42%	0.02%	-1.35%		8.43%
	Mineola	4.18%	0.00%	0.00%	0.15%	0.00%	-0.01%	0.00%	0.22%		4.54%
	Mineral Wells	8.83%	0.00%	0.00%	0.19%	0.01%	-0.01%	-0.17%	-0.03%		8.82%
874	Mission	8.42%	0.00%	0.00%	0.10%	0.01%	-0.01%	0.04%	-0.04%	0.10%	8.52%
875	Missouri City	8.16%	0.77%	0.00%	0.19%	-0.04%	0.01%	-0.09%	-0.14%	0.70%	8.86%
	Monahans	7.66%	0.00%	0.00%	0.16%	-0.05%	-0.07%	-0.07%	-0.27%		7.36%
	Mont Belvieu	15.84%	0.00%	0.00%	0.11%	-0.10%	-0.57%	-0.55%	-0.37%		14.36%
	Montgomery	6.13%	0.00%	0.00%	0.02%	-0.03%	0.06%	0.19%	-0.32%		6.05%
	Moody	3.42%	0.00%	0.00%	0.09%	-1.33%	0.03%	-0.09%	0.17%		2.29%
883	Morgan's Point	9.23%	0.00%	0.00%	0.32%	-0.10%	-0.04%	0.07%	0.54%	0.79%	10.02%
	Morgan's Point Resort	12.17%	0.00%	0.00%	0.32%	-0.10%	-0.04%	-0.21%	0.01%		11.82%
	Morton	4.31%	0.00%	0.00%	0.24%	-0.02%	-0.10%	0.17%	-0.57%		4.03%
	Moulton	5.15%	0.00%	0.00%	0.33%	-0.08%	0.00%	0.24%	-0.91%		4.73%
	Mount Enterprise	1.91%	0.00%	0.00%	0.30%	-0.15%	0.02%	0.39%	-0.01%		2.46%
	Mt. Pleasant	15.09%	0.00%	0.00%	0.13%	-0.05%	-0.18%	-0.25%	0.24%		14.98%
	Mt. Vernon	11.21%	0.00%	0.00%	0.13%	-0.03%	-0.18%	0.09%	0.24%		11.40%
	Muenster	1.42%	0.00%	0.00%	0.18%	0.00%	0.03%	-0.05%	0.06%		1.64%
	Muleshoe	17.84%	0.00%	0.00%	0.25%	0.08%	0.35%	-0.22%	0.80%		19.10%
	Munday	3.57%	0.00%	0.00%	0.01%	-0.27%	-0.11%	0.11%	0.07%		3.38%
	Murphy	14.11%	0.00%	0.00%	0.03%	-0.03%	-0.08%	-0.02%	-0.03%		13.98%
	Nacogdoches	14.11%	0.00%	0.00%	0.03%	-0.03%	-0.08% -0.15%	-0.02%	-0.03% 0.01%		13.98% 14.15%
	Naples	1.93%	0.00%	0.00%	0.13%	-0.01%	-0.13%	0.13%	0.01%		2.17%
500	Nash	17.63%			0.01%		-0.51%	0.13%	0.30%		

CITY NUMBER	CITY NAME	2019 Rates	Benefit Changes	Assumption & Method Changes	Return on AVA	Contribution Lag/Phase In & Fully Amortized Prior Bases	Payroll Growth	Normal Cost	Liability Growth	Total Change	2020 Rates
	Nassau Bay	15.66%		0.00%	0.06%		0.35%	-0.14%	-0.03%		15.74%
	Natalia	3.13%	0.00%	0.00%	0.01%		-0.04%	0.02%	0.05%		3.179
	Navasota	8.01%	0.00%	0.00%	0.31%		0.04%	0.06%	-0.79%		7.60%
	Nederland	6.35%		0.00%	0.37%		0.01%	-0.02%	-0.24%		6.479
	Needville	4.19%	0.00%	0.00%	0.13%		-0.02%	-0.07%	-0.01%		4.219
	New Boston	1.63%	0.00%	0.00%	0.14%	-0.04%	0.11%	0.09%	0.14%		2.079
	New Braunfels	16.96%	0.00%	0.00%	0.09%	-0.04%	-0.26%	0.01%	0.09%		16.859
	New Braunfels Utilities	17.42%	0.00%	0.00%	0.15%	-0.12%	-0.68%	0.15%	0.30%		17.22
	New Deal	0.54%	0.00%	0.00%	0.05%	0.00%	0.06%	-0.08%	0.15%		0.729
923	New Fairview	10.42%	0.00%	0.00%	-0.03%	0.04%	-0.57%	0.00%	0.83%	0.27%	10.699
918	New London	3.87%	0.00%	0.00%	0.09%	-0.05%	-0.05%	0.01%	-0.48%	-0.48%	3.399
919	New Summerfield	9.54%	0.00%	0.00%	0.04%	0.11%	0.12%	-0.14%	-1.97%	-1.84%	7.709
917	New Waverly	6.14%	0.24%	0.00%	0.24%	0.12%	0.18%	0.19%	0.52%	1.49%	7.639
913	Newark	3.15%	0.00%	0.00%	-0.01%	0.08%	0.05%	-0.38%	0.06%	-0.20%	2.959
920	Newton	20.51%	0.00%	0.00%	0.17%	0.07%	0.47%	0.06%	-0.14%	0.63%	21.149
922	Nixon	0.70%	0.00%	0.00%	0.03%	-0.04%	-0.05%	-0.01%	0.01%	-0.06%	0.649
	Nocona	9.83%	0.00%	0.00%	0.11%	0.04%	0.28%	-0.06%	-0.09%		10.119
	Nolanville	2.32%	0.00%	0.00%	-0.01%	-0.03%	-0.07%	-0.03%	-0.06%		2.129
	Normangee	2.29%	0.00%	0.00%	0.11%	0.02%	-0.99%	0.15%	-0.71%		0.879
	North Richland Hills	16.15%	0.00%	0.00%	0.28%	0.02%	0.02%	-0.02%	-0.11%		16.349
	Northlake	10.50%	0.00%	0.00%	-0.02%	-0.09%	-0.19%	-0.22%	-0.01%		9.979
	O'Donnell	7.03%	0.00%	0.00%	0.18%	-0.04%	-0.08%	0.00%	0.38%		7.479
	Oak Point	7.12%	0.00%	0.00%	0.00%	-0.05%	-0.04%	0.52%	-0.06%		7.499
	Oak Ridge North	11.82%	0.00%	0.00%	0.11%		0.06%	-0.21%	-0.37%		11.409
942	Odem	9.12%	0.00%	0.00%	0.12%	0.07%	-0.15%	0.12%	0.42%	0.58%	9.709
944	Odessa	13.07%	0.00%	0.00%	0.25%	0.01%	0.21%	0.04%	-0.14%	0.37%	13.449
945	Oglesby	0.53%	0.00%	0.00%	0.18%	0.00%	0.04%	0.00%	0.32%	0.54%	1.079
949	Old River-Winfree	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.009
950	Olmos Park	2.60%	0.00%	0.00%	0.16%	-0.01%	-0.01%	-0.07%	-0.02%	0.05%	2.659
951	Olney	6.35%	0.00%	0.00%	0.08%	-0.06%	0.03%	0.76%	-0.26%	0.55%	6.909
953	Omaha	5.30%	0.00%	0.00%	0.02%	0.01%	0.00%	-0.15%	-0.04%	-0.16%	5.149
	Onalaska	2.63%	0.00%	0.00%	0.05%		0.01%	0.02%	-0.63%		2.099
	Orange	15.80%		0.00%	0.37%		0.14%	-0.64%	-0.49%		15.169
	Orange Grove	1.03%		0.00%	0.16%		0.02%	-0.18%	-0.23%		7.209
	Ore City	1.45%		0.00%	0.05%		0.00%	-0.25%	-0.24%		1.029
	Overton	2.01%		0.00%	0.08%		-0.08%	0.13%	-0.23%		3.169
	Ovilla	9.59%	0.00%	0.00%	0.05%		-0.04%	-0.15%	0.48%		9.839
	Oyster Creek	11.02%		0.00%	0.08%		-0.38%	-0.22%	0.40%		10.769
	Paducah	1.11%		0.00%	0.24%		-0.33%	-0.38%	-0.66%		0.009
966	Palacios	17.45%	0.00%	0.00%	0.12%	0.09%	0.30%	-0.21%	-0.48%	-0.18%	17.279
968	Palestine	13.42%	0.00%	0.00%	0.19%	0.03%	0.21%	-0.01%	-0.26%	0.16%	13.589
970	Palmer	6.74%	4.73%	0.00%	0.06%	0.29%	-0.02%	0.25%	-1.01%	4.30%	11.049
969	Palmhurst	5.94%	0.00%	0.00%	-0.02%	0.03%	0.00%	-0.03%	-0.19%	-0.21%	5.739
971	Palmview	1.92%	0.00%	0.00%	0.01%	-0.01%	-0.05%	-0.03%	0.15%	0.07%	1.99
972	Pampa	21.43%	0.00%	0.00%	0.24%	0.05%	0.26%	0.07%	-0.57%	0.05%	21.48
974	Panhandle	12.34%	0.00%	0.00%	0.12%	-0.03%	0.05%	-0.10%	-1.13%	-1.09%	11.25
	Panorama Village	6.58%		0.00%	0.16%		-0.01%	-0.30%	-0.05%		6.28
	Pantego	17.49%	0.00%	0.00%	0.10%		-0.22%	-0.34%	0.08%		17.17
	Paris	6.95%		0.00%	0.24%		0.11%	-0.34%	-0.09%		7.18
	Parker	12.21%		0.00%	0.24%		-0.11%	0.35%	0.03%		12.42
	Pasadena	13.45%		0.00%	0.30%		-0.10%	0.01%	-0.16%		13.46
	Pearland	13.30%		0.00%	0.08%		-0.13%	-0.11%	0.05%		13.149
	Pearsall	2.87%	1.48%	0.00%	0.09%		0.13%	0.03%	0.00%		4.69
988	Pecos City	6.06%	0.00%	0.00%	0.10%	-0.04%	0.00%	-0.01%	0.03%	0.08%	6.14

CITY			Benefit	Assumption & Method	Return	Contribution Lag/Phase In & Fully Amortized	Payroll	Normal	Liability		2020
NUMBER	CITY NAME	2019 Rates	Changes	Changes	on AVA	Prior Bases	Growth	Cost	Growth	Total Change	Rates
989	Pelican Bay	5.01%	0.00%	0.00%	-0.06%	-0.09%	-0.47%	-0.13%	0.09%	-0.66%	4.35%
991	Penitas	4.33%	0.00%	0.00%	-0.03%	0.00%	0.09%	-0.05%	-0.23%	-0.22%	4.11%
994	Perryton	14.71%	0.00%	0.00%	0.20%	-0.01%	0.19%	0.03%	-0.16%	0.25%	14.96%
1000	Pflugerville	13.33%	0.00%	0.00%	0.05%	-0.04%	-0.13%	0.06%	0.19%	0.13%	13.46%
1002	Pharr	7.89%	0.00%	0.00%	0.10%	-0.02%	-0.12%	0.05%	-0.04%	-0.03%	7.86%
1004	Pilot Point	9.19%	2.90%	0.00%	0.05%	0.10%	-0.22%	-0.20%	-0.32%	2.31%	11.50%
1005	Pinehurst	19.38%	0.00%	0.00%	0.18%	-0.04%	-0.06%	0.01%	0.35%	0.44%	19.82%
1003	Pineland	7.91%	0.00%	0.00%	0.85%	0.00%	-0.02%	0.03%	-2.53%	-1.67%	6.24%
1001	Piney Point Village	6.95%	0.00%	0.00%	0.03%	-0.05%	0.00%	0.13%	-0.14%	-0.03%	6.92%
1006	Pittsburg	14.39%	0.00%	0.00%	0.34%	-0.34%	-0.08%	0.29%	-1.24%	-1.03%	13.36%
1007	Plains	6.57%	0.00%	0.00%	0.24%	-0.19%	-0.01%	-2.54%	0.15%	-2.35%	4.22%
	Plainview	13.07%	0.00%	0.00%	0.36%	-0.01%	0.03%	0.10%	-1.28%		12.27%
	Plano	16.67%	0.00%	0.00%	0.22%	-0.07%	-0.11%	-0.01%	0.01%		16.71%
	Pleasanton	15.79%	0.00%	0.00%	0.08%	0.03%	0.17%	-0.18%	-0.67%		15.22%
	Point	13.67%	0.00%	0.00%	-0.06%	-0.39%	-0.34%	0.59%	-0.35%		13.12%
1017	Ponder	6.11%	0.00%	0.00%	0.01%	0.03%	0.04%	0.02%	0.01%		6.22%
	Port Aransas	11.55%	0.00%	0.00%	0.01%	0.03%	0.04%	-0.20%	-0.03%		11.67%
	Port Arthur	13.80%	0.00%	0.00%	0.03%	-0.04%	-0.29%	-0.20%	0.06%		13.74%
	Port Isabel	3.97%	0.00%	0.00%	0.23%	0.00%	0.00%	-0.02%	-0.33%		3.68%
	Port Lavaca	5.81%	0.00%	0.00%	0.05%	0.02%	0.04%	0.04%	-0.33%		5.89%
	Port Neches	12.49%	0.18%	0.00%	0.35%	0.01%	-0.05%	0.12%	0.09%	0.70%	13.19%
	Portland	13.64%	0.00%	0.00%	0.11%	-0.01%	-0.03%	-0.11%	-0.42%		13.18%
1024		10.79%	4.50%	0.00%	0.10%	0.12%	-1.53%	0.15%	0.13%		14.26%
	Poteet	2.18%	0.00%	0.00%	0.10%	0.01%	-0.10%	0.06%	-0.11%		2.14%
1028	Poth	4.47%	0.00%	0.00%	0.10%	-0.01%	-0.08%	-0.02%	-0.19%	-0.20%	4.27%
1030	Pottsboro	6.72%	0.00%	0.00%	0.00%	-0.01%	0.00%	-0.05%	0.09%	0.03%	6.75%
1031	Prairie View	5.25%	0.00%	0.00%	-0.05%	-0.21%	-0.11%	-0.13%	-0.47%	-0.97%	4.28%
1032	Premont	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1029	Presidio	0.87%	0.00%	0.00%	0.03%	0.01%	-0.02%	0.03%	-0.17%		0.75%
1033	Primera	0.06%	0.00%	0.00%	0.00%	-0.03%	0.00%	-0.03%	0.00%	-0.06%	0.00%
1034	Princeton	10.75%	0.00%	0.00%	0.01%	-0.15%	-0.17%	0.02%	0.29%	0.00%	10.75%
1036	Prosper	13.55%	0.00%	0.00%	-0.03%	-0.14%	-0.21%	-0.08%	0.45%	-0.01%	13.54%
1037	Providence Village	7.50%	0.00%	0.00%	-0.07%	-0.12%	-0.35%	0.34%	0.29%	0.09%	7.59%
1042	Quanah	9.36%	0.00%	0.00%	0.59%	-0.55%	0.29%	0.05%	-0.66%	-0.28%	9.08%
1045	Queen City	1.77%	0.00%	0.00%	0.04%	-0.01%	-0.08%	-0.15%	0.14%	-0.06%	1.71%
1044	Quinlan	10.01%	0.00%	0.00%	-0.01%	0.01%	0.00%	0.16%	-0.21%	-0.05%	9.96%
	Quintana	2.55%	0.00%	0.00%	-0.04%	-0.18%	-0.41%	0.11%	0.84%		2.87%
	Quitaque	4.92%	0.00%	0.00%	0.18%	-0.16%	-0.20%	-0.02%	-0.12%		4.60%
	Quitman	5.49%	0.00%	0.00%	0.15%	-0.13%	-0.02%	0.03%	0.05%		5.57%
1050		6.50%	0.00%	0.00%	0.28%	0.10%	0.38%	0.44%	0.05%		7.75%
	Rancho Viejo	6.91%	0.00%	0.00%	0.30%	-0.09%	-0.04%	0.00%	-0.37%		6.71%
	Rancho Viejo Ranger	6.64%	0.00%	0.00%	0.30%	-0.09% -0.67%	-0.04% 1.11%	-0.04%	-0.37% 0.71%		6.71% 7.89%
	Rankin	1.24%	0.00%	0.00%	0.14%	-0.67% -0.06%	-0.08%	-0.04% -0.62%	0.71%		7.89% 0.71%
	Ransom Canyon	15.39%	0.00%	0.00%	0.20%	-0.06%	0.36%	-0.62%	0.03%		0.71% 15.74%
	Raymondville	13.39%	0.00%	0.00%	0.04%	-0.02%	-0.14%	0.08%	-0.64%		0.98%
	Red Oak	6.16%	1.02%	0.00%	0.01%	0.00%	-0.09%	-0.08%	0.08%		7.10%
	Redwater	3.08%	0.00%	0.00%	0.00%	-0.02%	0.04%	-0.01%	0.10%		3.19%
	Refugio	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%
	Reklaw	16.53%	0.00%	0.00%	0.25%	0.31%	1.23%	-0.36%	-1.20%		16.76%
1066	Reno (Lamar County)	4.17%	0.00%	0.00%	0.04%	0.01%	0.05%	-0.02%	0.15%	0.23%	4.40%
1069	Reno (Parker County)	2.72%	1.43%	0.00%	-0.01%	0.03%	0.07%	-0.15%	0.02%	1.39%	4.11%
1067	Rhome	7.60%	0.00%	0.00%	0.05%	-0.04%	-0.02%	-0.19%	-0.28%	-0.48%	7.12%
1068	Rice	1.07%	0.00%	0.00%	0.01%	-0.01%	0.01%	0.05%	0.07%	0.13%	1.20%
1070	Richardson	14.44%	0.00%	0.00%	0.29%	-0.01%	0.00%	0.01%	-0.01%	0.28%	14.72%

				Assumption &		Contribution Lag/Phase In &					
CITY NUMBER	CITY NAME	2019 Rates	Benefit Changes	Method Changes	Return on AVA	Fully Amortized Prior Bases	Payroll Growth	Normal Cost	Liability Growth	Total Change	2020 Rates
	Richland Hills	15.47%	0.00%	0.00%	0.34%	-0.09%	-0.17%	0.09%	-0.01%		15.63%
	Richland Springs	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%
	Richmond	14.67%	0.00%	0.00%	0.16%	-0.02%	-0.20%	-0.02%	0.04%		14.63%
	Richwood	11.05%	0.00%	0.00%	0.12%	0.00%	0.02%	-0.03%	-0.07%		11.09%
	Riesel	5.98%	0.00%	0.00%	0.00%	-0.03%	0.10%	-0.12%	-0.10%		5.83%
			0.00%	0.00%	0.04%		0.03%	0.06%			6.83%
	Rio Grande City Rio Vista	7.03% 3.77%	0.00%	0.00%	0.04%	0.03% 0.10%	0.03%	-0.04%	-0.36% 0.01%		4.33%
	Rising Star	0.00%	0.00%	0.00%	0.08%	0.10%	0.41%	0.00%	0.01%		4.33% 0.06%
	River Oaks	13.76%	0.00%	0.00%	0.00%	-0.03%	-0.01%	0.35%	0.03%		14.39%
	Roanoke	17.45%	0.00%	0.00%	0.13%	-0.01%	-0.01%	0.05%	-0.18%		17.34%
	Robert Lee	5.40%	0.00%	0.00%	0.19%	0.07%	0.45%	0.17%	-0.75%		5.53%
	Robinson	13.85%	0.00%	0.00%	0.08%	-0.08%	-0.23%	0.05%	-0.08%		13.59%
	Robstown	6.13%	0.00%	0.00%	0.20%	-0.02%	0.02%	-0.01%	-0.53%		5.79%
	Robstown Utility Systems	12.76%	0.00%	0.00%	0.36%	0.02%	0.09%	-0.02%	-0.49%		12.72%
1092	Roby	1.81%	0.00%	0.00%	0.68%	-0.22%	0.13%	0.00%	0.86%	1.45%	3.26%
1096	Rockdale	9.30%	0.00%	0.00%	0.07%	-0.05%	-0.06%	-0.04%	-0.23%	-0.31%	8.99%
	Rockport	17.45%	0.00%	0.00%	0.14%	0.21%	0.58%	-0.55%	0.04%	0.42%	17.87%
1100	Rocksprings	0.52%	0.00%	0.00%	0.09%	-0.05%	0.00%	0.58%	0.17%	0.79%	1.31%
1102	Rockwall	15.76%	0.00%	0.00%	0.13%	-0.01%	0.03%	0.04%	-0.50%	-0.31%	15.45%
1104	Rogers	8.52%	0.00%	0.00%	0.08%	0.04%	0.32%	0.09%	-0.37%	0.16%	8.68%
1105	Rollingwood	8.17%	3.03%	0.00%	0.09%	0.06%	0.04%	0.07%	0.42%	3.71%	11.88%
	Roma	10.66%	0.00%	0.00%	0.12%	0.05%	0.05%	0.03%	-0.72%		10.19%
	Roscoe	2.14%	0.00%	0.00%	0.08%	-0.01%	-0.02%	0.06%	0.05%		2.30%
	Rosebud	1.90%	0.00%	0.00%	0.01%	0.00%	-0.01%	0.01%	0.04%		1.95%
	Rosenberg	12.87%	3.48%	0.00%	0.15%	0.12%	-0.08%	-0.11%	-0.24%		16.19%
	Rotan	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%
	Round Rock Rowlett	15.33% 12.82%	0.00%	0.00% 0.00%	0.10%	-0.06%	-0.16% -0.09%	0.01% 0.04%	0.13% 0.15%		15.35% 13.05%
		15.98%	0.00% 0.00%	0.00%	0.16% -0.01%	-0.03% -0.15%	-0.09% -0.45%		0.15%		
1120	Royse City	8.88%	0.00%	0.00%	0.32%	0.08%	0.11%	-0.33% 0.04%	-7.26%		15.35% 2.17%
	Runaway Bay	1.78%	0.00%	0.00%	0.06%	-0.06%	0.31%	-0.21%	-0.15%		1.73%
	Runge	18.85%	0.00%	0.00%	0.23%	0.22%	0.32%	-0.19%	-0.77%		18.66%
	Rusk	6.58%	0.00%	0.00%	0.08%	0.01%	-0.01%	0.03%	-0.68%		6.01%
	Sabinal	3.12%	0.00%	0.00%	0.11%	-0.01%	0.00%	0.05%	-0.03%		3.24%
1129	Sachse	14.79%	0.00%	0.00%	0.07%	-0.04%	-0.16%	-0.22%	0.20%	-0.15%	14.64%
1131	Saginaw	17.14%	4.19%	0.00%	0.10%	0.22%	-0.17%	0.19%	0.00%	4.53%	21.67%
1130	Saint Jo	5.13%	0.00%	0.00%	0.18%	0.08%	-1.41%	-0.20%	-1.24%	-2.59%	2.54%
1133	Salado	6.25%	0.00%	0.00%	0.01%	-0.07%	0.05%	-0.55%	0.01%	-0.55%	5.70%
1132	San Angelo	17.46%	0.00%	0.00%	0.31%	0.00%	0.10%	-0.10%	-0.34%	-0.03%	17.43%
	San Antonio	11.37%	0.29%	0.00%	0.17%	0.00%	-0.06%	-0.03%	-0.07%	0.30%	11.67%
11136	San Antonio Water System	3.60%	0.00%	0.00%	0.07%	-0.01%	-0.02%	-0.02%	0.02%	0.04%	3.64%
	San Augustine	8.34%	0.00%	0.00%	0.07%	-0.18%	0.00%	-0.02%	-0.09%		8.19%
	San Benito	5.51%	0.00%	0.00%	0.17%	0.01%	0.00%	0.05%	-0.03%		5.27%
	San Felipe	4.46%	0.00%	0.00%	0.10%	0.01%	-0.02%	0.00%	0.01%		
	San Juan	2.55%	0.00%	0.00%	0.06%	-0.01%	0.00%	-0.03%	-0.08%		2.49%
	San Marcos	17.34%	0.00%	0.00%	0.14%	-0.06%	-0.33%	-0.07%	0.27%		17.29%
	San Saba	8.31%	0.00%	0.00%	0.13%	0.03%	0.13%	-0.11%	-0.03%		
	Sanger	7.91%	0.00%	0.00%	0.06%	-0.01%	-0.03%	0.05%	0.18%		8.16%
	Sansom Park	6.15%	0.00%	0.00%	0.04%	0.01%	0.00%	0.12%	-0.29%		6.03%
1155	Santa Fe	11.62%	0.00%	0.00%	0.15%	0.03%	0.34%	-0.10%	-0.21%	0.21%	11.83%
1158	Savoy	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1159	Schertz	16.04%	0.00%	0.00%	0.06%	-0.05%	-0.20%	-0.12%	0.07%	-0.24%	15.80%
1160	Schulenburg	21.43%	0.00%	0.00%	0.31%	-0.04%	-0.05%	0.09%	-0.24%	0.07%	21.50%
1161	Seabrook	15.57%	0.00%	0.00%	0.20%	0.00%	0.01%	-0.01%	0.11%	0.31%	15.88%

				Assumption &		Contribution Lag/Phase In &					
CITY NUMBER	CITY NAME	2019 Rates	Benefit Changes	Method Changes	Return on AVA	Fully Amortized Prior Bases	Payroll Growth	Normal Cost	Liability Growth	Total Change	2020 Rates
	Seadrift	4.09%	0.00%	0.00%	0.03%	-0.09%	-0.45%	0.04%	0.02%		3.64%
	Seagoville	10.86%	0.00%	0.00%	0.12%	-0.01%	-0.03%	0.15%	-0.15%		10.94%
1166	Seagraves	10.02%	0.00%	0.00%	0.13%	0.04%	0.14%	-0.18%	0.07%	0.20%	10.22%
1167	Sealy	14.57%	0.00%	0.00%	0.13%	0.04%	-0.06%	-0.32%	0.50%	0.29%	14.86%
1168	Seguin	15.24%	6.99%	0.00%	0.12%	0.09%	-0.17%	-0.03%	-0.02%	6.98%	22.22%
1169	Selma	14.66%	0.00%	0.00%	0.06%	0.00%	0.00%	0.00%	-0.08%	-0.02%	14.64%
1170	Seminole	12.89%	0.00%	0.00%	0.28%	0.02%	0.13%	0.16%	-1.45%	-0.86%	12.03%
1171	Seven Points	2.60%	0.00%	0.00%	0.08%	-0.10%	-0.67%	0.00%	-0.80%	-1.49%	1.11%
1172	Seymour	7.03%	0.00%	0.00%	0.16%	-0.04%	0.15%	-0.07%	-0.03%	0.17%	7.20%
1165	Shady Shores	9.26%	0.00%	0.00%	-0.10%	0.18%	0.05%	-0.03%	0.15%	0.25%	9.51%
1177	Shallowater	2.42%	2.08%	0.00%	0.08%	0.06%	0.01%	0.08%	-0.17%	2.14%	4.56%
1174	Shamrock	7.84%	0.00%	0.00%	0.16%	0.22%	1.47%	0.01%	-0.95%	0.91%	8.75%
1173	Shavano Park	13.82%	0.00%	0.00%	0.04%	-0.09%	-0.18%	-0.73%	0.49%	-0.47%	13.35%
1175	Shenandoah	16.93%	0.00%	0.00%	0.07%	0.06%	0.38%	-0.08%	0.88%	1.31%	18.24%
1181	Shepherd	2.70%	0.00%	0.00%	0.08%	0.02%	0.13%	-0.01%	-0.33%	-0.11%	2.59%
1176	Sherman	13.92%	0.00%	0.00%	0.24%	-0.03%	-0.10%	0.01%	0.30%	0.42%	14.34%
1178	Shiner	7.71%	0.00%	0.00%	0.14%	0.02%	-0.08%	-0.03%	0.24%	0.29%	8.00%
1179	Shoreacres	4.68%	0.00%	0.00%	0.13%	-0.03%	-0.19%	0.17%	-0.27%	-0.19%	4.49%
1180	Silsbee	18.49%	0.00%	0.00%	0.22%	0.01%	-0.14%	0.13%	0.26%	0.48%	18.97%
1182	Silverton	4.47%	0.00%	0.00%	0.45%	-0.04%	0.13%	-0.01%	0.39%	0.92%	5.39%
1184	Sinton	12.87%	0.00%	0.00%	0.13%	0.08%	0.20%	-0.17%	-0.78%	-0.54%	12.33%
	Skellytown	0.55%	0.00%	0.00%	0.09%	-0.06%	1.24%	-0.14%	0.23%		1.91%
	Slaton	6.52%	0.00%	0.00%	0.21%	0.00%	0.01%	0.08%	-0.03%		6.79%
1188	Smithville	6.86%	0.00%	0.00%	0.07%	-0.01%	-0.04%	0.07%	-0.01%	0.08%	6.94%
1189	Smyer	10.39%	0.00%	0.00%	0.13%	0.36%	0.48%	-0.53%	-1.15%	-0.71%	9.68%
1190	Snyder	13.67%	0.00%	0.00%	0.29%	-0.09%	0.12%	-0.04%	-0.32%	-0.04%	13.63%
	Somerset	2.59%	0.00%	0.00%	0.02%	-0.04%	0.02%	0.06%	0.03%		2.68%
	Somerville	5.21%	0.00%	0.00%	0.08%	-0.03%	0.03%	-0.34%	-0.70%		4.25%
1194	Sonora	8.29%	0.00%	0.00%	0.17%	0.04%	0.18%	-0.22%	-0.01%	0.16%	8.45%
1196	Sour Lake	5.69%	0.00%	0.00%	0.04%	0.01%	-0.01%	-0.20%	-0.30%	-0.46%	5.23%
1198	South Houston	10.00%	0.00%	0.00%	0.32%	0.00%	0.05%	-0.07%	-0.47%	-0.17%	9.83%
	South Padre Island	12.81%	0.00%	0.00%	0.13%	-0.02%	-0.03%	0.04%	0.00%		12.93%
	Southlake	12.35%	0.00%	0.00%	0.12%	-0.06%	-0.16%	0.01%	0.19%		12.45%
1200	Southmayd	5.63%	0.00%	0.00%	-0.08%	-0.32%	-0.27%	0.03%	0.18%	-0.46%	5.17%
1202	Southside Place	11.80%	0.00%	0.00%	0.10%	-0.03%	-0.07%	0.10%	-0.29%	-0.19%	11.61%
1204	Spearman	11.38%	0.00%	0.00%	0.23%	-0.01%	-0.03%	0.02%	-0.21%	0.00%	11.38%
	Splendora	5.19%	0.00%	0.00%	-0.04%	0.01%	0.31%	0.11%	0.01%		5.59%
	Spring Valley Village	6.89%	0.00%	0.00%	0.17%	-0.03%	-0.03%	0.08%	-0.17%		6.91%
	Springtown	9.14%	0.00%	0.00%	0.10%	-0.05%	0.02%	0.49%	-0.39%		9.31%
1206	Spur	4.66%	0.00%	0.00%	0.13%	0.00%	0.00%	-0.08%	0.46%	0.51%	5.17%
1207	Stafford	14.44%	0.00%	0.00%	0.14%	-0.03%	-0.10%	-0.14%	-0.18%	-0.31%	14.13%
	Stamford	5.26%	0.00%	0.00%	0.19%	-0.06%	0.04%	-0.19%	-0.28%		4.96%
	Stanton	7.75%	0.00%	0.00%	0.08%	-0.06%	-0.15%	0.01%	0.03%		7.66%
	Star Harbor	10.48%	0.00%	0.00%	0.48%	-0.03%	-0.04%	-0.20%	0.01%		10.70%
1212	Stephenville	6.36%	0.00%	0.00%	0.21%	-0.03%	0.03%	0.00%	0.10%	0.31%	6.67%
1213	Sterling City	1.20%	0.00%	0.00%	0.08%	-0.01%	0.00%	-0.08%	-0.08%	-0.09%	1.11%
	Stinnett	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%
	Stockdale	4.48%	0.98%	0.00%	-0.03%	0.07%	0.03%	0.02%	-0.02%		5.53%
	Stratford	6.31%	0.00%	0.00%	0.05%	-0.14%	-0.02%	0.06%	-1.09%		5.17%
	Sudan	0.95%	0.31%	0.00%	0.08%	-0.06%	0.01%	0.12%	0.10%		1.51%
1225	Sugar Land	14.78%	0.00%	0.00%	0.13%	-0.02%	-0.05%	-0.05%	-0.19%	-0.18%	14.60%
	Sulphur Springs	7.31%	0.00%	0.00%	0.13%	0.02%	0.02%	-0.03%	0.05%		7.77%
	Sundown	11.23%	0.00%	0.00%	0.22%	0.00%	0.05%	0.09%	0.10%		11.75%
	Sunnyvale	11.63%		0.00%	0.05%	-0.07%	-0.18%	0.25%	-0.12%		

					Assumption &		Contribution Lag/Phase In &					
1232 Surray 18.151	CITY NUMBER	CITY NAME	2019 Rates	Benefit Changes	Method Changes	Return on AVA	Fully Amortized Prior Bases	Payroll Growth	Normal Cost	Liability Growth	Total Change	2020 Rates
1212 Surret Valley												14.44%
1232 Survision Beach	1227	Sunrise Beach Village	1.28%	0.00%	0.00%	0.01%	-0.01%	-0.01%	-0.01%	0.08%	0.06%	1.34%
1232 Sweety	1231	Sunset Valley	12.19%	1.11%	0.00%	0.08%	-0.01%	-0.19%	0.11%	-0.11%	0.99%	13.18%
1245 Sweetwater	1233	Surfside Beach	1.36%	0.00%	0.00%	0.02%	-0.01%	0.10%	-0.06%	-0.07%	-0.02%	1.34%
1254 TWRS	1232	Sweeny	17.20%	0.00%	0.00%	0.25%	0.08%	0.17%	-0.03%	-0.56%	-0.09%	17.11%
1236 Tark	1234	Sweetwater	17.65%	0.00%	0.00%	0.20%	-0.03%	0.13%	-0.08%	-0.14%	0.08%	17.73%
1238 Tankoka	1264	TMRS	15.95%	0.00%	0.00%	0.09%	-0.14%	-0.37%	-0.01%	0.22%	-0.21%	15.74%
1240 Talty												17.88%
Tatum												
1246 Taylor	1240	Talty	8.14%	0.00%	0.00%	-0.05%	0.23%	2.92%	-0.07%	-0.28%	2.75%	10.89%
1248 Teague												1.81%
1252 Temple		, ·										11.56%
1254 Tenaha		_										
1256 Terrell 15.68% 0.00% 0.00% 0.18% 0.01% 0.16% 0.07% 0.07% 0.21% 15.89% 1258 Terrell Hills 12.10% 3.22% 0.00% 0.11% 0.01% 0.01% 0.02% 0.02% 0.02% 0.02% 0.02% 0.00% 0.02% 0.02% 0.00% 0		· ·										
125E Terrel Hulls	1254	Tenana	0.10%		0.00%	0.08%	-0.03%	-0.07%	0.37%	-0.15%	0.20%	0.30%
31262 Tex Municipal League IEBP 10.39% 0.00% 0.00% 0.11% 0.01% 0.02% 0.00%												15.89%
21263 Tex Municipal League IRP 10.39% 0.00% 0.00% 0.00% 0.01% 0.00% 0.00% 0.07% 0.12% 0.12% 0.15%												15.38%
21260 Texarkana 16.03% 0.00% 0.00% 0.31% 0.01% 0.02% 0.17% 0.62% 0.47% 15.56% 11260 Texarkana Police Dept 15.01% 0.00% 0.00% 0.00% 0.23% 0.01% 0.012% 0.01% 0.02% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.02% 0.05% 0.01% 0.12% 0.06% 0.05% 16.24% 0.02% 0.00% 0.00% 0.00% 0.00% 0.00% 0.03% 0.00% 0.00% 0.00% 0.00% 0.03% 0.01% 0.13% 0.01% 0.13% 0.00% 0.00% 0.00% 0.00% 0.03% 0.00% 0.0												
11260 Texarkana Police Dept 15.01% 0.00% 0.00% 0.03% -0.05% -0.03% -0.12% -0.071% -0.59% 14.42% 16.07% 0.00% 0.00% 0.00% 0.23% -0.01% -0.12% -0.08% 0.03% 0.05% 16.12% 16.12% 16.12% 16.12% 0.00% 0.00% 0.00% 0.28% -0.04% -0.05% -0.01% -0.12% -0.00% 16.12% 1263 Texas Municipal League 16.04% 0.00% 0.00% 0.00% 0.34% -0.03% -0.18% 0.19% -1.51% -1.19% 14.85% 1267 The Colony 13.01% 0.00% 0.00% 0.00% 0.00% -0.05% -0.01% -0.05% -0.00% -0.00% -0.05% -												
31260 Texarkana Water Utilities 16.07% 0.00% 0.00% 0.02% 0.01% -0.12% -0.08% 0.03% 0.05% 16.12% 1263 Texas City 16.18% 0.00% 0.00% 0.00% 0.28% -0.01% -0.01% -0.01% -0.12% 0.06% 16.24% 1263 Texas Municipal League 16.04% 0.00% 0.00% 0.00% 0.03% -0.18% 0.019% -1.51% -1.19% 1.18% 1.19% 1.1263 Texas Municipal League 13.01% 0.00% 0.00% 0.00% -0.15% -0.01% -0.02% -0.09% 12.92% 1.269 Thompsons 4.20% 0.00% 0.00% 0.00% 0.07% 0.04% 0.00% 0.00% 0.00% 0.05% 0.05% 0.05% 0.05% 0.05% 0.05% 0.05% 0.00% 0	21260	Texarkana	16.03%	0.00%	0.00%	0.31%	-0.01%	0.02%	-0.17%	-0.62%	-0.47%	15.56%
1262 Texas City		•										14.42%
11263 Texas Municipal League 16.04% 0.00% 0.00% 0.34% -0.03% -0.18% 0.19% -1.51% -1.19% 14.85% 1267 The Colony 13.01% 0.00% 0.00% 0.00% 0.02% -0.05% -0.15% 0.01% -0.02% -0.09% 12.92% 1299 Thompsons 4.20% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.018% 0.16% 0.04% 0.013% -0.04% 0.515% 8.09% 1272 Thrall 8.36% 0.00												16.12%
1267 The Colony												
1269 Thompsons												
1268 Thorndale			13.01%	0.00%	0.00%	0.12%	-0.05%	-0.15%	0.01%	-0.02%	-0.09%	12.92%
1272 Thrall												4.31%
1274 Three Rivers 23.36% 0.00% 0.00% 0.04% 0.13% -0.11% -0.05% -0.73% -0.72% 22.64% 1276 Throckmorton 4.56% 0.00% 0.00% 0.00% 0.06% -0.04% 0.00% -0.15% 0.28% 0.35% 4.91% 1277 Tiki Island 3.58% 0.00% 0.00% 0.00% 0.00% -0.01% -0.00% 0.01% 0.02% 0.01% 3.76% 1278 Timpson 2.16% 0.00% 0.00% 0.00% 0.00% -0.01% 0.00% 0.01% -0.22% -0.15% 2.01% 1280 Tioga 1.46% 0.00% 0.00% 0.00% 0.01% -0.02% 0.03% -0.04% 0.02% 0.00% 1.46% 1283 Tolar 8.96% 0.00% 0.00% 0.00% 0.02% -0.08% -0.05% -0.06% -1.25% -1.25% -1.22% 7.74% 1286 Tom Bean 2.42% 0.00% 0.00% 0.00% 0.01% -0.02% 0.00% -0.01% -0.04% 0.26% 2.68% 1284 Tomball 13.49% 0.00% 0.00% 0.00% 0.17% -0.42% 0.00% -0.01% -0.04% -0.33% 0.00% 1.46% 1292 Trenton 2.84% 0.00% 0.00% 0.11% -0.04% 0.03% -0.01% -0.04% -0.33% 0.58% 3.42% 1293 Trinidad 3.24% 0.00% 0.00% 0.00% 0.01% -0.01% 0.01% 0.08% -0.12% -0.10% -0.06% -0.17% 3.07% 1294 Trinity 6.92% 0.00% 0.00% 0.00% 0.04% 0.04% 0.08% -0.12% -0.10% -0.06% 6.86% 1295 Tropy 11.83% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.04% 0.04% 0.04% 0.09% 0.03% 5.36% 1.36% 1.299 Turkey 5.19% 0.00% 0.00% 0.00% 0.00% 0.02% -0.03% -0.04% 0.01% 0.05% -0.01% 0.01% 0.05% -0.01% 0.01% 0.05% -0.01% 0.01% 0.05% -0.05% -0.03% -0.04% 0.01% 0.05% -0.03% -0.04% 0.01% -0.05% -0.03% -0.04% -0.01% 0.05% -0.03% -0.04% -0.05% -												8.09%
1276 Throckmorton												
1277 Tiki Island												
1278 Timpson 2.16% 0.00% 0.00% 0.07% -0.01% 0.00% 0.01% -0.22% -0.15% 2.01% 1280 Tioga 1.46% 0.00% 0.00% 0.00% 0.01% -0.02% 0.03% -0.04% 0.02% 0.00% 1.46% 1283 Tolar 8.96% 0.00% 0.00% 0.00% 0.02% -0.08% -0.05% -0.06% -1.25% -1.22% 7.74% 1286 Tom Bean 2.42% 0.00% 0.00% 0.00% 0.01% -0.02% 0.00% -0.01% -0.13% 0.26% 2.68% 1284 Tomball 13.49% 0.00% 0.00% 0.01% -0.12% 0.00% -0.01% -0.01% -0.01% 0.00% 13.49% 1290 Trent 8.18% 0.00% 0.00% 0.17% -0.42% 0.00% -0.01% -0.04% -0.30% 7.88% 1292 Trenton 2.84% 0.00% 0.00% 0.11% -0.04% 0.13% 0.02% 0.36% 0.58% 3.42% 1293 Trinidad 3.24% 0.00% 0.00% 0.00% 0.12% -0.01% 0.10% 0.08% -0.46% -0.17% 3.07% 1294 Trinity 6.92% 0.00% 0.00% 0.00% 0.11% -0.01% 0.08% -0.12% -0.10% -0.06% 6.86% 1295 Trophy Club 12.95% 0.00% 0.00% 0.05% -0.03% -0.04% -0.04% -0.29% 0.14% 13.09% 1296 Troup 5.33% 0.00% 0.00% 0.05% -0.03% -0.04% -0.04% -0.09% 0.03% 5.36% 1297 Troy 11.83% 0.00% 0.00% 0.00% 0.05% -0.03% -0.04% -0.04% 0.09% 0.03% 5.36% 1299 Turkey 5.19% 0.00% 0.00% 0.00% 0.28% -0.07% 0.02% -0.08% 0.01% -0.19% 1.059% 1301 Tye 7.25% 0.00% 0.00% 0.00% 0.28% -0.07% 0.02% -0.23% -0.08% 0.01% -0.01% 5.18% 1305 Universal City 18.46% 0.00% 0.00% 0.00% 0.26% -0.21% -0.04% -0.04% -0.05% -0.35% -0.05% -0.03% -0.04% -0.00% -0.05% -0.03% -0.04% -0.00% -0.05% -0.05% -0.03% -0.04% -0.00% -0.00% -0.05% -0.03% -0.04% -0.00% -0.	12/6	Inrockmorton	4.56%		0.00%	0.26%	-0.04%	0.00%	-0.15%	0.28%	0.35%	
1280 Tioga 1.46% 0.00% 0.00% 0.01% -0.02% 0.03% -0.04% 0.02% 0.00% 1.46% 1283 Tolar 8.96% 0.00% 0.00% 0.02% -0.08% -0.05% -0.06% -1.25% -1.22% 7.74% 1286 Tom Bean 2.42% 0.00% 0.00% 0.01% -0.04% -0.02% 0.27% 0.04% 0.26% 2.68% 1284 Tomball 13.49% 0.00% 0.00% 0.00% 0.12% 0.00% -0.01% -0.013% 0.00% 0.00% 13.49% 1290 Trent 8.18% 0.00% 0.00% 0.11% -0.04% 0.13% 0.00% -0.01% -0.04% -0.30% 7.88% 1292 Trenton 2.84% 0.00% 0.00% 0.11% -0.04% 0.13% 0.02% 0.36% 0.55% 3.42% 1293 Trinidad 3.24% 0.00% 0.00% 0.00% 0.11% -0.01% 0.10% 0.08% -0.46% -0.17% 3.07% 1294 Trinity 6.92% 0.00% 0.00% 0.00% 0.04% 0.04% 0.08% -0.12% -0.10% -0.06% 6.86% 1295 Trophy Club 12.95% 0.00% 0.00% 0.00% 0.01% -0.01% -0.09% 0.42% -0.29% 0.14% 13.09% 1296 Troup 5.33% 0.00% 0.00% 0.00% 0.05% -0.03% -0.04% -0.04% 0.09% 0.03% 5.36% 1297 Troy 11.83% 0.00% 0.00% 0.00% 0.02% -0.03% -0.04% -0.04% -0.05% -0.17% -0.11% 10.69% 1299 Turkey 5.19% 0.00% 0.00% 0.00% 0.28% -0.07% 0.02% -0.08% 0.01% -0.01% 5.18% 1301 Tye 7.25% 0.00% 0.00% 0.00% 0.28% 0.08% 0.14% 0.00% 0.01% 0.15% 0.11% 18.57% 1306 Universal City 18.46% 0.00% 0.00% 0.00% 0.28% 0.08% 0.14% 0.00% 0.04% 0.05% 0.01% 0.15% 0.11% 18.57% 1306 Universal City 18.46% 0.00% 0												3.76%
Tolar		· ·										
Tom Bean 2.42% 0.00% 0.00% 0.01% -0.04% -0.02% 0.27% 0.04% 0.266 2.68% 1284 Tomball 13.49% 0.00% 0.00% 0.00% 0.12% 0.02% 0.00% -0.01% -0.13% 0.00% 13.49% 1290 Trent 8.18% 0.00% 0.00% 0.17% -0.42% 0.00% -0.01% -0.04% -0.30% 7.88% 1292 Trenton 2.84% 0.00% 0.00% 0.11% -0.04% 0.13% 0.02% 0.36% 0.58% 3.42% 1293 Trinidad 3.24% 0.00% 0.00% 0.00% 0.12% -0.01% 0.10% 0.08% -0.46% -0.17% 3.07% 1294 Trinity 6.92% 0.00% 0.00% 0.00% 0.04% 0.04% 0.08% -0.12% -0.10% -0.06% 6.86% 1295 Trophy Club 12.95% 0.00% 0.00% 0.00% 0.01% -0.01% -0.09% 0.42% -0.29% 0.14% 13.09% 1296 Troup 5.33% 0.00% 0.00% 0.00% 0.05% -0.03% -0.04% -0.04% 0.09% 0.033 5.36% 1297 Troy 11.83% 0.00% 0.00% 0.00% 0.02% -0.03% -0.04% -0.11% -0.54% -0.72% 11.11% 1298 Tulia 10.50% 0.00% 0.00% 0.00% 0.28% -0.07% 0.02% 0.06% -0.10% 0.19% 10.69% 1304 Tyler 20.89% 0.00% 0.00% 0.02% 0.04% -0.02% -0.22% -0.09% -0.35% 6.90% 1304 Tyler 20.89% 0.00% 0.00% 0.26% 0.03% 0.14% 0.00% -0.40% 0.10% 20.99% 1306 University Park 7.26% 2.92% 0.00% 0.00% 0.26% -0.21% -0.04% -0.04% -0.07% 0.01% 0.15% 0.11% 18.57% 1306 University Park 7.26% 2.92% 0.00% 0.0												
1284 Tomball 13.49% 0.00% 0.00% 0.12% 0.02% 0.00% -0.01% -0.13% 0.00% 13.49% 1290 Trent 8.18% 0.00% 0.00% 0.17% -0.42% 0.00% -0.01% -0.04% -0.30% 7.88% 1292 Trenton 2.84% 0.00% 0.00% 0.11% -0.04% 0.13% 0.02% 0.36% 0.58% 3.42% 1293 Trinidad 3.24% 0.00% 0.00% 0.00% 0.12% -0.01% 0.10% 0.08% -0.46% -0.17% 3.07% 1294 Trinity 6.92% 0.00% 0.00% 0.00% 0.04% 0.04% 0.08% -0.12% -0.10% -0.06% 6.86% 1295 Troup 5.33% 0.00% 0.00% 0.00% 0.05% -0.03% -0.04% -0.04% 0.09% 0.03% 5.36% 1297 Troy 11.83% 0.00% 0.00% 0.00% -0.02% -0.23% -0.04% 0.11% -0.54% -0.72% 11.11% 1298 Tulia 10.50% 0.00% 0.00% 0.00% 0.28% -0.07% 0.02% 0.06% -0.10% 0.10% 0.01% 0.01% 10.99% 1299 Turkey 5.19% 0.00% 0.00% 0.00% 0.26% 0.03% -0.23% -0.08% 0.01% -0.01% 0.01% 0.01% 0.01% 0.01% 0.01% 0.01% 0.01% 0.01% 0.01% 0.01% 0.01% 0.01% 0.01% 0.01% 0.01% 0.01% 0.01% 0.01% 0.05% 0.03% 0.25% 0.00% 0.00% 0.26% 0.03% 0.22% 0.00% 0.01% 0.01% 0.01% 0.01% 0.05% 0.01% 0.01% 0.15% 0.11% 18.57% 1306 Universal City 18.46% 0.00% 0.00% 0.00% 0.26% 0.02% 0.04% 0.04% 0.00% 0.05% 0.03% 0.25% 0.04% 0.00% 0.05% 0.03% 0.04% 0.00% 0.05% 0.03% 0.05% 0.03% 0.04% 0.00% 0.05% 0.03% 0.05% 0.03% 0.05% 0.03% 0.05% 0.03% 0.05% 0.03% 0.05% 0.03% 0.05% 0.03% 0.00% 0.												
1290 Trent										0.04%		
1292 Trenton 2.84% 0.00% 0.00% 0.11% -0.04% 0.13% 0.02% 0.36% 0.58% 3.42% 1293 Trinidad 3.24% 0.00% 0.00% 0.00% 0.12% -0.01% 0.10% 0.08% -0.46% -0.17% 3.07% 1294 Trinity 6.92% 0.00% 0.00% 0.00% 0.04% 0.04% 0.08% -0.12% -0.10% -0.06% 6.86% 1295 Trophy Club 12.95% 0.00% 0.00% 0.00% 0.11% -0.01% -0.09% 0.42% -0.29% 0.14% 13.09% 1296 Troup 5.33% 0.00% 0.00% 0.00% 0.05% -0.03% -0.04% -0.04% 0.09% 0.03% 5.36% 1297 Troy 11.83% 0.00% 0.00% 0.00% -0.02% -0.23% -0.04% 0.11% -0.54% -0.72% 11.11% 1298 Tulia 10.50% 0.00% 0.00% 0.28% -0.07% 0.02% 0.06% -0.10% 0.19% 10.69% 1299 Turkey 5.19% 0.00% 0.00% 0.26% 0.03% -0.23% -0.08% 0.01% -0.01% 5.18% 1301 Tye 7.25% 0.00% 0.00% 0.00% 0.02% -0.04% -0.02% -0.22% -0.09% -0.35% 6.90% 1304 Tyler 20.89% 0.00% 0.00% 0.00% 0.28% 0.08% 0.14% 0.00% -0.40% 0.10% 20.99% 1305 Universal City 18.46% 0.00% 0.00% 0.28% 0.08% 0.14% 0.00% -0.40% 0.15% 0.11% 18.57% 1306 University Park 7.26% 2.92% 0.00% 0.00% 0.26% -0.21% -0.04% -0.04% -0.07% 2.19% 9.45% 1308 Uvalde 5.93% 0.00% 0.00% 0.00% 0.09% 0.00% 0.00% 0.00% 0.03% -0.04% -0.05% 0.03% 5.96% 1312 Valley Mills 1.89% 0.00%												13.49%
1293 Trinidad 1294 Trinity 6.92% 0.00% 0.00% 0.00% 0.00% 0.04% 0.04% 0.08% -0.12% -0.10% -0.06% 6.86% 1295 Trophy Club 12.95% 0.00% 0.00% 0.00% 0.01% -0.01% -0.09% 0.42% -0.29% 0.14% 13.09% 1296 Troup 5.33% 0.00% 0.00% 0.00% 0.00% 0.05% -0.03% -0.04% 0.04% 0.09% 0.09% 0.03% 5.36% 1297 Troy 11.83% 0.00% 0.00% 0.00% 0.00% 0.28% -0.07% 0.02% 0.06% -0.10% 0.11% -0.01% -0.54% -0.72% 11.11% 1298 Tulia 10.50% 0.00% 0.00% 0.00% 0.28% -0.07% 0.02% 0.06% -0.10% 0.01% -0.01% 10.69% 1301 Tye 7.25% 0.00% 0.00% 0.00% 0.00% 0.00% 0.02% -0.04% -0.02% -0.02% -0.08% 0.01% -0.01% 0.01% 0.01% -0.01% 5.18% 1301 Tye 7.25% 0.00% 0.00% 0.00% 0.00% 0.02% 0.08% 0.14% 0.00% -0.02% -0.04% -0.02% -0.04% -0.00% 0.05% 1304 Tyler 1305 Universal City 18.46% 0.00% 0.00% 0.00% 0.00% 0.28% 0.08% 0.14% 0.00% -0.04% -0.04% -0.04% -0.05% 0.011% 18.57% 1306 University Park 7.26% 2.92% 0.00%												
Trinity 6.92% 0.00% 0.00% 0.04% 0.04% 0.08% -0.12% -0.10% -0.06% 6.86% 1295 Trophy Club 12.95% 0.00% 0.00% 0.11% -0.01% -0.09% 0.42% -0.29% 0.14% 13.09% 12.96 Troup 5.33% 0.00% 0.00% 0.05% -0.03% -0.04% -0.04% 0.09% 0.03% 5.36% 1297 Troy 11.83% 0.00% 0.00% 0.00% -0.02% -0.23% -0.04% 0.11% -0.54% -0.72% 11.11% 1298 Tulia 10.50% 0.00% 0.00% 0.00% 0.28% -0.07% 0.02% 0.06% -0.10% 0.19% 10.69% 12.99 Turkey 5.19% 0.00% 0.00% 0.26% 0.03% -0.23% -0.08% 0.01% -0.01% 5.18% 1301 Tye 7.25% 0.00% 0.00% 0.00% 0.22% -0.04% -0.02% -0.22% -0.09% -0.35% 6.90% 1304 Tyler 20.89% 0.00% 0.00% 0.28% 0.08% 0.14% 0.00% -0.40% 0.10% 20.99% 1305 Universal City 18.46% 0.00% 0.00% 0.28% 0.08% 0.14% 0.00% -0.40% 0.11% 18.57% 1306 University Park 7.26% 2.92% 0.00% 0.00% 0.26% -0.21% -0.04% -0.04% -0.07% 2.19% 9.45% 1308 Uvalde 5.93% 0.00% 0.00% 0.00% 0.09% 0.00% 0.												
1295 Trophy Club 12.95% 0.00% 0.00% 0.11% -0.01% -0.09% 0.42% -0.29% 0.14% 13.09% 1296 Troup 5.33% 0.00% 0.00% 0.05% -0.03% -0.04% -0.09% 0.03% 5.36% 1297 Troy 11.83% 0.00% 0.00% -0.02% -0.23% -0.04% 0.11% -0.54% -0.72% 11.11% 1298 Tulia 10.50% 0.00% 0.00% 0.28% -0.07% 0.02% 0.06% -0.10% 0.19% 10.69% 1299 Turkey 5.19% 0.00% 0.00% 0.26% 0.03% -0.23% -0.08% 0.01% -0.01% 10.69% 1299 Turkey 5.19% 0.00% 0.00% 0.26% 0.03% -0.23% -0.08% 0.01% -0.01% 0.01% 0.01% 5.18% 1301 Tyer 7.25% 0.00% 0.00% 0.02% -0.04% -0.02% -0.09%												
1296 Troup 5.33% 0.00% 0.00% 0.05% -0.03% -0.04% -0.04% 0.09% 0.03% 5.36% 1297 Troy 11.83% 0.00% 0.00% 0.00% -0.02% -0.23% -0.04% 0.11% -0.54% -0.72% 11.11% 1298 Tulia 10.50% 0.00% 0.00% 0.28% -0.07% 0.02% 0.06% -0.10% 0.19% 10.69% 1299 Turkey 5.19% 0.00% 0.00% 0.26% 0.03% -0.23% -0.08% 0.01% -0.01% 5.18% 1301 Tye 7.25% 0.00% 0.00% 0.00% 0.02% -0.04% -0.02% -0.22% -0.09% -0.35% 6.90% 1304 Tyler 20.89% 0.00% 0.00% 0.28% 0.08% 0.14% 0.00% -0.40% 0.10% 20.99% 1305 Universal City 18.46% 0.00% 0.00% 0.26% -0.04% -0.01% 0.01% 0.15% 0.11% 18.57% 1306 University Park 7.26% 2.92% 0.00% 0.26% -0.21% -0.04% -0.04% -0.04% -0.70% 2.19% 9.45% 1308 Uvalde 5.93% 0.00% 0.00% 0.00% 0.09% 0.00% 0.03% -0.04% -0.05% 0.03% 5.96% 1312 Valley Mills 1.89% 0.00% 0.00% 0.00% -0.02% -0.01% 0.00% 0.44% 0.02% 0.43% 2.32% 1313 Valley View 2.17% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.07% 0.54% -0.94% -0.34% 1.83% 1314 Van 7.32% 0.00% 0.00% 0.00% 0.08% 0.02% -0.01% 0.07% -0.30% -0.14% 7.18% 0.00%		1										
1297 Troy 11.83% 0.00% 0.00% -0.02% -0.23% -0.04% 0.11% -0.54% -0.72% 11.11% 1298 Tulia 10.50% 0.00% 0.00% 0.28% -0.07% 0.02% 0.06% -0.10% 0.19% 10.69% 1299 Turkey 5.19% 0.00% 0.00% 0.26% 0.03% -0.23% -0.08% 0.01% -0.01% 5.18% 1301 Tye 7.25% 0.00% 0.00% 0.02% -0.04% -0.02% -0.22% -0.09% -0.35% 6.90% 1304 Tyler 20.89% 0.00% 0.00% 0.28% 0.08% 0.14% 0.00% 0.10% 20.99% 1305 Universal City 18.46% 0.00% 0.00% 0.10% -0.04% -0.11% 0.01% 0.11% 18.57% 1306 University Park 7.26% 2.92% 0.00% 0.26% -0.21% -0.04% -0.04% -0.70% 2.19% 9.45% </td <td></td> <td>13.09%</td>												13.09%
Tulia 10.50% 0.00% 0.00% 0.28% -0.07% 0.02% 0.06% -0.10% 0.19% 10.69% 1299 Turkey 5.19% 0.00% 0.00% 0.26% 0.03% -0.23% -0.08% 0.01% -0.01% 5.18% 1301 Tye 7.25% 0.00% 0.00% 0.00% 0.28% 0.08% 0.14% 0.00% -0.40% 0.10% 20.99% 1305 Universal City 18.46% 0.00% 0.00% 0.00% 0.28% 0.08% 0.14% 0.01% 0.15% 0.11% 18.57% 1306 University Park 7.26% 2.92% 0.00% 0.00% 0.26% -0.21% -0.04% -0.04% -0.04% -0.70% 2.19% 9.45% 1308 Uvalde 5.93% 0.00% 0.00% 0.00% 0.09% 0.00% 0.00% 0.00% 0.00% 0.03% -0.04% -0.05% 0.03% 5.96% 1312 Valley Mills 1.89% 0.00% 0.00% 0.00% -0.02% -0.01% 0.00% 0.44% 0.02% 0.43% 2.32% 1313 Valley View 2.17% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.07% 0.54% -0.94% -0.34% 1.83% 1314 Van 7.32% 0.00% 0.00% 0.00% 0.08% 0.02% -0.01% 0.00% 0.07% -0.30% -0.14% 7.18%		•										
1299 Turkey 5.19% 0.00% 0.00% 0.26% 0.03% -0.23% -0.08% 0.01% -0.01% 5.18% 1301 Tye 7.25% 0.00% 0.00% 0.02% -0.04% -0.02% -0.22% -0.09% -0.35% 6.90% 1304 Tyler 20.89% 0.00% 0.00% 0.28% 0.08% 0.14% 0.00% 0.10% 20.99% 1305 Universal City 18.46% 0.00% 0.00% 0.10% -0.04% -0.11% 0.01% 0.11% 18.57% 1306 University Park 7.26% 2.92% 0.00% 0.26% -0.21% -0.04% -0.04% -0.70% 2.19% 9.45% 1308 Uvalde 5.93% 0.00% 0.00% 0.09% 0.00% 0.03% -0.04% -0.04% -0.05% 0.03% 5.96% 1312 Valley Mills 1.89% 0.00% 0.00% -0.02% -0.01% 0.00% 0.44% 0.02% 0.43% 2.32% 1313 Valley View 2.17% 0.00% 0.00% <td></td> <td>·</td> <td></td>		·										
1301 Tye 7.25% 0.00% 0.00% 0.02% -0.04% -0.02% -0.22% -0.09% -0.35% 6.90% 1304 Tyler 20.89% 0.00% 0.00% 0.28% 0.08% 0.14% 0.00% -0.40% 0.10% 20.99% 1305 Universal City 18.46% 0.00% 0.00% 0.10% -0.04% -0.11% 0.01% 0.15% 0.11% 18.57% 1306 University Park 7.26% 2.92% 0.00% 0.26% -0.21% -0.04% -0.04% -0.70% 2.19% 9.45% 1308 Uvalde 5.93% 0.00% 0.00% 0.09% 0.00% 0.03% -0.04% -0.04% -0.05% 0.03% 5.96% 1312 Valley Mills 1.89% 0.00% 0.00% -0.02% -0.01% 0.00% 0.44% 0.02% 0.43% 2.32% 1313 Valley View 2.17% 0.00% 0.00% -0.01% 0.00% 0.54% -0.94% -0.34% 1.83% 1314 Van 7.32% 0.00%												
Tyler 20.89% 0.00% 0.00% 0.28% 0.08% 0.14% 0.00% -0.40% 0.10% 20.99% 1305 Universal City 18.46% 0.00% 0.00% 0.00% 0.10% -0.04% -0.11% 0.01% 0.15% 0.11% 18.57% 1306 University Park 7.26% 2.92% 0.00% 0.26% -0.21% -0.04% -0.04% -0.04% -0.70% 2.19% 9.45% 1308 Uvalde 5.93% 0.00% 0.00% 0.00% 0.09% 0.00% 0.03% -0.04% -0.05% 0.03% 5.96% 1312 Valley Mills 1.89% 0.00% 0.00% -0.02% -0.01% 0.00% 0.44% 0.02% 0.43% 2.32% 1313 Valley View 2.17% 0.00% 0.00% -0.01% 0.00% 0.07% 0.54% -0.94% -0.34% 1.83% 1314 Van 7.32% 0.00% 0.00% 0.00% 0.08% 0.02% -0.01% 0.07% -0.30% -0.14% 7.18%												
1305 Universal City 18.46% 0.00% 0.00% 0.10% -0.04% -0.11% 0.01% 0.15% 0.11% 18.57% 1306 University Park 7.26% 2.92% 0.00% 0.26% -0.21% -0.04% -0.04% -0.04% -0.70% 2.19% 9.45% 1308 Uvalde 5.93% 0.00% 0.00% 0.00% 0.00% 0.00% 0.03% -0.04% -0.05% 0.03% 5.96% 1312 Valley Mills 1.89% 0.00% 0.00% -0.02% -0.01% 0.00% 0.44% 0.02% 0.43% 2.32% 1313 Valley View 2.17% 0.00% 0.00% -0.01% 0.00% 0.07% 0.54% -0.94% -0.34% 1.83% 1314 Van 7.32% 0.00% 0.00% 0.00% 0.08% 0.02% -0.01% 0.07% -0.30% -0.14% 7.18%		· ·										
1306 University Park 7.26% 2.92% 0.00% 0.26% -0.21% -0.04% -0.04% -0.70% 2.19% 9.45% 1308 Uvalde 5.93% 0.00% 0.00% 0.09% 0.00% 0.03% -0.04% -0.05% 0.03% 5.96% 1312 Valley Mills 1.89% 0.00% 0.00% -0.02% -0.01% 0.00% 0.44% 0.02% 0.43% 2.32% 1313 Valley View 2.17% 0.00% 0.00% -0.01% 0.00% 0.54% -0.94% -0.34% 1.83% 1314 Van 7.32% 0.00% 0.00% 0.08% 0.02% -0.01% 0.07% -0.30% -0.14% 7.18%												
1308 Uvalde 5.93% 0.00% 0.00% 0.09% 0.00% 0.03% -0.04% -0.05% 0.03% 5.96% 1312 Valley Mills 1.89% 0.00% 0.00% -0.02% -0.01% 0.00% 0.44% 0.02% 0.43% 2.32% 1313 Valley View 2.17% 0.00% 0.00% -0.01% 0.00% 0.07% 0.54% -0.94% -0.34% 1.83% 1314 Van 7.32% 0.00% 0.00% 0.08% 0.02% -0.01% 0.07% -0.30% -0.14% 7.18%		=										
1312 Valley Mills 1.89% 0.00% 0.00% -0.02% -0.01% 0.00% 0.44% 0.02% 0.43% 2.32% 1313 Valley View 2.17% 0.00%												
1313 Valley View 2.17% 0.00% 0.00% -0.01% 0.00% 0.07% 0.54% -0.94% -0.34% 1.83% 1314 Van 7.32% 0.00% 0.00% 0.00% 0.08% 0.02% -0.01% 0.07% -0.30% -0.14% 7.18%												
1314 Van 7.32% 0.00% 0.00% 0.08% 0.02% -0.01% 0.07% -0.30% -0.14% 7.18%												
		•										
I ISTRIVAD DISTVOP I 9.66% I DIDEM - D		Van Alstyne	7.32% 9.66%		0.00%	0.08%	-0.06%	-0.01% -0.02%	0.07%	-0.30% -0.05%		

CITY			Benefit	Assumption & Method	Return	Contribution Lag/Phase In & Fully Amortized	Payroll	Normal	Liability		2020
NUMBER	CITY NAME	2019 Rates	Changes	Changes	on AVA	Prior Bases	Growth	Cost	Growth	Total Change	Rates
1318	Van Horn	7.85%	0.00%	0.00%	0.14%	-0.06%	0.12%	0.03%	0.12%		8.20%
1320	Vega	24.79%	0.00%	0.00%	0.51%	0.29%	0.27%	-0.84%	-1.73%	-1.50%	23.29%
1324	Venus	10.53%	0.00%	0.00%	0.01%	-0.11%	-0.04%	-0.15%	0.30%	0.01%	10.54%
1326	Vernon	11.98%	0.00%	0.00%	0.30%	0.03%	0.09%	0.34%	-0.45%	0.31%	12.29%
1328	Victoria	16.59%	0.00%	0.00%	0.27%	0.04%	0.08%	-0.09%	-0.59%	-0.29%	16.30%
1329	Vidor	14.24%	0.00%	0.00%	0.27%	0.01%	0.10%	0.36%	-0.76%	-0.02%	14.22%
	Village Fire Department	6.09%	0.00%	0.00%	0.25%	-0.02%	-0.01%	0.01%	-0.03%		6.29%
	Village of the Hills	6.18%	0.00%	0.00%	-0.14%	-0.06%	-0.05%	0.01%	0.22%	-0.02%	6.16%
1330	Waco	14.02%	0.00%	0.00%	0.25%	-0.07%	0.01%	-0.04%	0.16%	0.31%	14.33%
1332	Waelder	2.72%	0.00%	0.00%	0.05%	-0.02%	-0.05%	0.06%	-0.01%	0.03%	2.75%
1334	Wake Village	13.11%	0.00%	0.00%	0.13%	-0.06%	-0.14%	-0.44%	0.24%	-0.27%	12.84%
	Waller	3.90%	0.00%	0.00%	0.10%	-0.02%	0.01%	0.04%	-0.07%		3.96%
	Wallis	2.64%	0.00%	0.00%	0.06%	-0.20%	0.02%	-0.11%	-0.01%		2.40%
	Walnut Springs	3.53%	0.00%	0.00%	0.17%	0.03%	0.00%	0.02%	0.18%		3.93%
	Waskom	6.73%	0.00%	0.00%	0.10%	0.01%	0.11%	0.00%	-0.12%		6.83%
12/1	Watauga	13.50%	0.00%	0.00%	0.17%	-0.03%	-0.01%	0.53%	0.04%		14.20%
	Waxahachie	14.96%	0.00%	0.00%	0.17%	-0.03%	-0.01%	0.33%	0.64%		15.36%
	Weatherford	13.25%	0.00%	0.00%	0.13%	0.00%	0.03%	0.04%	-0.13%		13.37%
	Webster	17.41%	0.00%	0.00%	0.17%	-0.05%	-0.11%	0.11%	0.17%		17.70%
	Weimar	17.41%	0.00%	0.00%	0.17%	-0.09%	-0.11%	-0.16%	-0.04%		16.89%
	Wellington	4.04%	0.00%	0.00%	0.38%	-0.02%	-0.01%	-0.05%	-0.07%	0.23%	4.27%
	Wells	1.45%	0.00%	0.00%	0.20%	-0.62%	0.76%	0.19%	0.98%		2.96%
	Weslaco	7.76%	0.24%	0.00%	0.19%	-0.01%	-0.05%	0.02%	0.12%		8.27%
	West Columbia	1.56%	0.00%	0.00%	0.13%	-0.31%	-0.07%	0.03%	0.06%		1.40%
1358	West Columbia	3.26%	0.00%	0.00%	0.14%	0.01%	0.00%	0.02%	-0.24%		3.19%
	West Lake Hills	15.99%	0.00%	0.00%	0.17%	-0.01%	0.24%	-0.26%	0.27%		16.40%
	West Orange	20.03%	0.00%	0.00%	0.30%	0.13%	0.68%	0.15%	-1.27%		20.02%
	West Tawakoni	9.56%	0.00%	0.00%	0.11%	-0.06%	-0.01%	-0.07%	-0.47%		9.06%
	West Univ. Place	12.84%	0.00%	0.00%	0.21%	-0.04%	-0.12%	0.00%	0.00%		12.89%
1363	Westlake	11.80%	0.00%	0.00%	-0.01%	-0.11%	-0.17%	-0.03%	0.29%	-0.03%	11.77%
1362	Westover Hills	1.57%	0.72%	0.00%	0.08%	0.02%	-0.02%	-0.09%	0.07%	0.78%	2.35%
1366	Westworth Village	11.75%	0.00%	0.00%	0.04%	0.02%	0.10%	-0.16%	-0.01%	-0.01%	11.74%
1368	Wharton	5.88%	0.00%	0.00%	0.12%	0.00%	0.01%	0.00%	-0.31%	-0.18%	5.70%
1370	Wheeler	7.69%	0.00%	0.00%	0.34%	0.14%	0.08%	0.15%	-0.44%	0.27%	7.96%
1372	White Deer	8.08%	0.00%	0.00%	0.19%	0.09%	0.75%	0.28%	0.17%	1.48%	9.56%
1377	White Oak	14.10%	0.00%	0.00%	0.21%	-0.02%	0.04%	0.42%	-0.35%	0.30%	14.40%
1378	White Settlement	16.93%	0.00%	0.00%	0.14%	-0.08%	-0.14%	0.24%	-0.02%	0.14%	17.07%
1374	Whiteface	1.56%	0.00%	0.00%	0.20%	0.01%	-0.36%	0.21%	0.01%	0.07%	1.63%
1375	Whitehouse	8.99%	0.00%	0.00%	0.10%	-0.01%	-0.33%	-0.10%	0.01%	-0.33%	8.66%
1376	Whitesboro	7.22%	0.00%	0.00%	0.20%	0.02%	0.04%	0.00%	-1.10%	-0.84%	6.38%
1380	Whitewright	2.87%	0.00%	0.00%	0.06%	-0.05%	0.01%	0.09%	0.15%	0.26%	3.13%
	Whitney	4.22%	0.00%	0.00%	0.04%	-0.02%	0.00%	-0.05%	-0.12%		4.07%
	Wichita Falls	12.77%	0.00%	0.00%	0.23%	0.02%	0.19%	0.04%	0.03%		13.28%
	Willis	9.95%	0.00%	0.00%	0.07%	0.02%	0.02%	-0.10%	-0.50%		9.46%
	Willow Park	7.23%	0.00%	0.00%	-0.01%	-0.08%	-0.08%	0.21%	0.14%		7.41%
	Wills Point	12.40%	0.00%	0.00%	0.21%		-0.09%	0.03%			12.01%
	Wilmer	4.70%	0.00%	0.00%	0.21%	-0.05% -0.08%	-0.09% 0.01%	-0.24%	-0.49% 0.04%		12.01% 4.48%
	Wimberley	7.87%	0.00%	0.00%	-0.05%	-0.08% -0.31%	-0.46%	-0.24% -0.39%	-0.10%		4.48% 6.56%
	Windcrest	7.87%	0.00%	0.00%	-0.05% 0.09%	-0.31%	-0.46%	-0.39%	-0.10% 0.04%		7.27%
	Winfield	3.50%	0.00%	0.00%	0.09%	-0.09% 0.13%	-0.03% 0.31%	0.20%	-0.37%		7.27% 3.81%
	Wink	7.44%	0.00%	0.00%	0.09%	-0.06%	-0.01%	0.60%	-0.21%		7.85%
	Winnsboro	8.94%	0.00%	0.00%	0.13%	-0.10%	-0.05%	0.02%	0.16%		
	Winona	0.00%	0.00%	0.00%	0.00%	0.00%	1.71%	0.00%	0.23%		1.94%
1400	Winters	9.85%	0.00%	0.00%	0.44%	0.01%	-0.03%	0.24%	-0.10%	0.56%	10.41%

				Assumption &		Contribution Lag/Phase In &					
CITY			Benefit	Method	Return	Fully Amortized	Payroll	Normal	Liability		2020
NUMBER	CITY NAME	2019 Rates	Changes	Changes	on AVA	Prior Bases	Growth	Cost	Growth	Total Change	Rates
1403	Wolfforth	11.10%	0.00%	0.00%	0.05%	-0.01%	0.06%	-0.01%	0.30%	0.39%	11.49%
1409	Woodcreek	7.67%	0.00%	0.00%	0.06%	-0.23%	-0.03%	0.00%	0.56%	0.36%	8.03%
1404	Woodsboro	1.05%	0.00%	0.00%	0.07%	0.02%	-0.30%	-0.03%	-0.07%	-0.31%	0.74%
1406	Woodville	17.52%	0.00%	0.00%	0.21%	-0.07%	0.26%	-0.08%	-0.45%	-0.13%	17.39%
1407	Woodway	16.46%	0.00%	0.00%	0.19%	0.01%	0.08%	0.15%	-0.12%	0.31%	16.77%
1408	Wortham	5.89%	0.00%	0.00%	0.07%	0.01%	-0.03%	-0.40%	-0.18%	-0.53%	5.36%
1410	Wylie	14.84%	0.00%	0.00%	0.05%	-0.01%	-0.11%	-0.22%	0.20%	-0.09%	14.75%
1412	Yoakum	15.73%	0.00%	0.00%	0.24%	0.02%	0.26%	-0.14%	0.03%	0.41%	16.14%
1414	Yorktown	0.92%	0.00%	0.00%	0.15%	-0.01%	-0.11%	-0.22%	0.12%	-0.07%	0.85%
1415	Zavalla	0.02%	0.00%	0.00%	0.00%	-0.02%	0.02%	0.00%	0.07%	0.07%	0.09%

SECTION 4

COMPARISON OF EXPECTED CITY CONTRIBUTION DOLLAR AMOUNTS FOR 2019 AND 2020

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

		2019 EXPECTED			2020 EXPECTED			
		<u>c</u>	ONTRIBUTIO		<u>CONTRIBUTIONS</u>			
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED	
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS	
4	Abernathy	\$671,308	4.01%	\$26,919	\$691,447	3.85%	\$26,621	
6	Abilene	\$52,834,764	10.93%	\$5,774,840	\$54,419,807	11.05%	\$6,013,389	
7	Addison	\$20,199,105	10.69%	\$2,159,284	\$20,805,078	11.06%	\$2,301,042	
8	Agua Dulce	\$101,420	9.08%	\$9,209	\$104,463	7.77%	\$8,117	
10	Alamo	\$5,194,337	6.87%	\$356,851	\$5,350,167	6.30%	\$337,061	
12	Alamo Heights	\$5,567,671	16.84%	\$937,596	\$5,734,701	16.91%	\$969,738	
14	Alba	\$227,850	2.44%	\$5,560	\$234,686	1.96%	\$4,600	
16	Albany	\$629,134	5.24%	\$32,967	\$648,008	5.48%	\$35,511	
17	Aledo	\$652,967	7.46%	\$48,711	\$672,556	7.50%	\$50,442	
18	Alice	\$9,899,224	4.81%	\$476,153	\$10,196,201	4.80%	\$489,418	
19	Allen	\$50,478,372	14.03%	\$7,082,116	\$51,992,723	14.00%	\$7,278,981	
20	Alpine	\$3,233,807	1.06%	\$34,278	\$3,330,821	0.88%	\$29,311	
22	Alto	\$456,993	10.30%	\$47,070	\$467,504	10.75%	\$50,257	
23	Alton	\$3,157,917	12.14%	\$383,371	\$3,252,655	12.64%	\$411,136	
24	Alvarado	\$2,960,650	5.19%	\$153,658	\$3,049,470	5.36%	\$163,452	
26	Alvin	\$11,016,971	16.88%	\$1,859,665	\$11,347,480	17.00%	\$1,929,072	
28	Alvord	\$310,031	5.44%	\$1,839,003	\$319,332	5.78%	\$1,929,072	
30	Amarillo	\$90,633,812	12.18%	\$10,800	\$93,352,826	12.21%	\$11,398,380	
32	Amherst	\$106,016	0.00%	\$0	\$108,136	0.00%	\$11,330,300	
34	Anahuac	\$385,984	8.75%	\$33,774	\$393,704	8.66%	\$34,095	
		·			·			
36	Andrews	\$4,641,610	15.97%	\$741,265	\$4,780,858	15.98%	\$763,981	
38	Angleton	\$6,383,874	12.35%	\$788,408	\$6,575,390	12.21%	\$802,855	
40	Anna	\$4,490,266	14.67%	\$658,722	\$4,624,974	14.09%	\$651,659	
41	Annetta	\$108,419	9.99%	\$10,831	\$111,672	8.82%	\$9,849	
44	Anson	\$819,734	0.54%	\$4,427	\$844,326	0.57%	\$4,813	
45	Anthony	\$1,195,876	2.99%	\$35,757	\$1,231,752	3.19%	\$39,293	
48	Aransas Pass	\$4,855,218	9.71%	\$471,442	\$5,000,875	9.79%	\$489,586	
50	Archer City	\$829,020	4.18%	\$34,653	\$853,891	4.25%	\$36,290	
49	Arcola	\$648,760	4.81%	\$31,205	\$668,223	4.05%	\$27,063	
51	Argyle	\$1,840,746	13.68%	\$251,814	\$1,895,968	13.42%	\$254,439	
52	Arlington	\$183,134,161	15.81%	\$28,953,511	\$188,628,186	16.13%	\$30,425,726	
54	Arp	\$298,041	1.68%	\$5,007	\$306,982	1.14%	\$3,500	
60	Aspermont	\$283,976	0.00%	\$0	\$292,495	0.00%	\$0	
62	Athens	\$7,116,400	15.87%	\$1,129,373	\$7,329,892	15.46%	\$1,133,201	
64	Atlanta	\$1,672,228	3.58%	\$59,866	\$1,714,034	3.39%	\$58,106	
66	Aubrey	\$2,796,825	6.13%	\$171,445	\$2,880,730	5.91%	\$170,251	
74	Avinger	\$62,915	2.07%	\$1,302	\$64,802	2.02%	\$1,309	
75	Azle	\$6,885,251	12.23%	\$842,066	\$7,091,809	12.50%	\$886,476	
77	Baird	\$481,048	0.87%	\$4,185	\$495,479	1.08%	\$5,351	
78	Balch Springs	\$10,541,216	13.83%	\$1,457,850	\$10,857,452	13.60%	\$1,476,613	
79	Balcones Heights	\$3,021,908	8.57%	\$258,978	\$3,112,565	7.92%	\$246,515	
79 80	Ballinger	\$1,457,488	8.57% 3.70%	\$258,978 \$53,927	\$3,112,565	7.92% 3.56%	\$246,515 \$53,443	
80 82	Balmorhea	\$1,437,488	0.00%	\$53,927 \$0	\$1,501,213	0.00%	\$53,443 \$0	
82 83	Bandera	\$848,277	10.40%	\$88,221	\$866,939	10.82%	\$93,803	
84	Bangs	\$508,608	10.40%	\$65,102	\$523,866	10.82%	\$93,803 \$64,593	

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

		2019 EXPECTED			2020 EXPECTED			
		CONTRIBUTIONS			CONTRIBUTIONS			
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED	
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS	
90	Bartlett	\$555,636	7.87%	\$43,729	\$572,305	8.22%	\$47,043	
91	Bartonville	\$444,082	14.23%	\$63,193	\$457,404	15.00%	\$68,611	
92	Bastrop	\$7,234,119	11.37%	\$822,519	\$7,451,143	11.29%	\$841,234	
94	Bay City	\$7,859,690	9.51%	\$747,457	\$8,079,761	9.62%	\$777,273	
93	Bayou Vista	\$360,218	2.82%	\$10,158	\$367,422	2.66%	\$9,773	
96	Baytown	\$60,282,263	17.63%	\$10,627,763	\$62,090,731	17.33%	\$10,760,324	
98	Beaumont	\$61,804,612	19.22%	\$11,878,846	\$63,658,750	19.41%	\$12,356,163	
100	Bedford	\$23,643,895	9.02%	\$2,132,679	\$24,353,212	8.92%	\$2,172,307	
101	Bee Cave	\$2,883,203	9.08%	\$261,795	\$2,969,699	8.97%	\$266,382	
102	Beeville	\$4,270,839	0.83%	\$35,448	\$4,398,964	0.43%	\$18,916	
106	Bellaire	\$11,169,043	20.45%	\$2,284,069	\$11,504,114	20.20%	\$2,323,831	
109	Bellmead	\$3,795,571	8.81%	\$334,390	\$3,909,438	8.63%	\$337,384	
110	Bells	\$378,068	0.00%	\$0	\$389,410	0.00%	\$0	
112	Bellville	\$2,505,901	15.38%	\$385,408	\$2,581,078	15.78%	\$407,294	
114	Belton	\$8,876,416	7.90%	\$701,237	\$9,142,708	8.11%	\$741,474	
118	Benbrook	\$9,841,964	16.18%	\$1,592,430	\$10,137,223	16.44%	\$1,666,559	
121	Berryville	\$73,882	3.03%	\$2,239	\$76,098	3.39%	\$2,580	
123	Bertram	\$493,289	1.98%	\$9,767	\$508,088	1.70%	\$8,637	
124	Big Lake	\$1,253,468	17.67%	\$221,488	\$1,291,072	17.51%	\$226,067	
126	Big Sandy	\$451,207	2.44%	\$11,009	\$464,743	2.49%	\$11,572	
128	Big Spring	\$9,178,979	17.19%	\$1,577,866	\$9,426,811	17.44%	\$1,644,036	
132	Bishop	\$775,825	3.51%	\$27,231	\$799,100	3.52%	\$28,128	
134	Blanco	\$920,611	6.47%	\$59,564	\$948,229	6.55%	\$62,109	
140	Blooming Grove	\$180,070	9.98%	\$17,971	\$185,472	10.78%	\$19,994	
142	Blossom	\$187,810	3.72%	\$6,987	\$193,444	4.11%	\$7,951	
143	Blue Mound	\$1,076,847	4.64%	\$49,966	\$1,109,152	4.68%	\$51,908	
144	Blue Ridge	\$212,477	1.81%	\$3,846	\$218,851	1.79%	\$3,917	
148	Boerne	\$15,514,876	18.34%	\$2,845,428	\$15,980,322	18.35%	\$2,932,389	
150	Bogata	\$332,962	0.00%	\$0	\$342,951	0.14%	\$480	
152	Bonham	\$5,209,080	5.31%	\$276,602	\$5,365,352	5.15%	\$276,316	
154	Booker	\$468,555	5.85%	\$27,410	\$482,612	5.64%	\$27,219	
156	Borger	\$9,093,738	14.57%	\$1,324,958	\$9,366,550	13.87%	\$1,299,140	
158	Bovina	\$391,986	0.00%	\$0	\$403,746	0.23%	\$929	
160	Bowie	\$3,595,326	10.62%	\$381,824	\$3,703,186	9.57%	\$354,395	
162	Boyd	\$723,947	4.24%	\$30,695	\$745,665	4.10%	\$30,572	
166	Brady	\$4,268,968	10.24%	\$437,142	\$4,397,037	9.83%	\$432,229	
170	Brazoria	\$1,213,251	6.69%	\$81,166	\$1,244,796	5.64%	\$70,206	
172	Breckenridge	\$2,281,471	7.42%	\$169,285	\$2,343,071	6.93%	\$162,375	
174	Bremond	\$265,066	15.95%	\$42,278	\$271,163	15.97%	\$43,305	
176	Brenham	\$11,592,361	10.01%	\$1,160,395	\$11,940,132	9.67%	\$1,154,611	
177	Bridge City	\$3,498,380	15.07%	\$527,206	\$3,603,331	15.13%	\$545,184	
178	Bridgeport	\$3,028,318	13.88%	\$420,331	\$3,107,054	13.67%	\$424,734	
180	Bronte	\$130,566	12.36%	\$16,138	\$133,438	12.97%	\$17,307	
182	Brookshire	\$1,798,275	8.57%	\$154,112	\$1,852,223	8.68%	\$160,773	
184	Brownfield	\$4,047,128	5.11%	\$206,808	\$4,168,542	3.92%	\$163,407	

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

		2019 EXPECTED			2020 EXPECTED			
		<u>c</u>	ONTRIBUTIO	<u>vs</u>	<u>CONTRIBUTIONS</u>			
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED	
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS	
186	Brownsboro	\$302,263	10.75%	\$32,493	\$311,331	10.41%	\$32,410	
10188	Brownsville	\$62,462,808	17.07%	\$10,662,401	\$64,336,692	16.86%	\$10,847,166	
20188	Brownsville PUB	\$31,209,832	17.45%	\$5,446,116	\$32,146,127	17.21%	\$5,532,348	
10190	Brownwood	\$10,203,257	13.13%	\$1,339,688	\$10,509,355	13.37%	\$1,405,101	
30190	Brownwood Health Dept.	\$461,672	9.95%	\$45,936	\$475,522	10.64%	\$50,596	
20190	Brownwood Public Library	\$177,695	4.70%	\$8,352	\$183,026	4.44%	\$8,126	
195	Bruceville-Eddy	\$655,643	5.24%	\$34,356	\$673,345	5.72%	\$38,515	
192	Bryan	\$59,689,745	14.99%	\$8,947,493	\$61,480,437	15.19%	\$9,338,878	
193	Bryson	\$108,468	0.00%	\$0	\$111,722	0.00%	\$0	
194	Buda	\$5,735,864	13.94%	\$799,579	\$5,907,940	13.76%	\$812,933	
196	Buffalo	\$586,802	4.82%	\$28,284	\$604,406	4.82%	\$29,132	
198	Bullard	\$1,258,525	7.68%	\$96,655	\$1,296,281	7.48%	\$96,962	
203	Bulverde	\$1,565,334	9.05%	\$141,663	\$1,612,294	10.00%	\$161,229	
199	Bunker Hill Village	\$645,203	11.70%	\$75,489	\$663,914	10.18%	\$67,586	
200	Burkburnett	\$3,180,226	10.14%	\$322,475	\$3,275,633	10.28%	\$336,735	
202	Burleson	\$23,052,221	15.31%	\$3,529,295	\$23,743,788	15.47%	\$3,673,164	
204	Burnet	\$6,210,360	13.06%	\$811,073	\$6,396,671	13.00%	\$831,567	
206	Burton	\$36,748	10.09%	\$3,708	\$37,850	10.36%	\$3,921	
207	Cactus	\$1,912,068	5.09%	\$97,324	\$1,969,430	5.18%	\$102,016	
208	Caddo Mills	\$617,367	6.38%	\$39,388	\$635,888	5.79%	\$36,818	
210	Caldwell	\$2,307,639	9.32%	\$215,072	\$2,376,868	8.13%	\$193,239	
212	Calvert	\$447,901	1.04%	\$4,658	\$461,338	1.16%	\$5,352	
214	Cameron	\$1,721,601	10.09%	\$173,710	\$1,762,919	10.29%	\$181,404	
216	Campbell	\$61,872	41.81%	\$25,869	\$63,728	41.75%	\$26,606	
220	Canadian	\$1,034,365	16.23%	\$167,877	\$1,065,396	17.10%	\$182,183	
221	Caney City	\$142,655	1.91%	\$2,725	\$146,935	1.43%	\$2,101	
222	Canton	\$2,980,620	12.08%	\$360,059	\$3,070,039	11.61%	\$356,432	
224	Canyon	\$5,645,904	15.33%	\$865,517	\$5,815,281	14.12%	\$821,118	
227	Carmine	\$62,502	2.67%	\$1,669	\$63,752	1.95%	\$1,243	
228	Carrizo Springs	\$1,371,508	5.24%	\$71,867	\$1,412,653	5.33%	\$75,294	
230	Carrollton	\$58,218,122	11.95%	\$6,957,066	\$59,906,448	12.12%	\$7,260,661	
232	Carthage	\$4,229,420	18.76%	\$793,439	\$4,356,303	17.97%	\$782,828	
231	Castle Hills	\$3,719,237	11.43%	\$425,109	\$3,830,814	12.38%	\$474,255	
234	Castroville	\$1,886,375	9.06%	\$170,906	\$1,941,080	8.75%	\$169,845	
238	Cedar Hill	\$22,905,362	13.71%	\$3,140,325	\$23,592,523	13.79%	\$3,253,409	
239	Cedar Park	\$30,774,351	14.32%	\$4,406,887	\$31,697,582	14.36%	\$4,551,773	
240	Celeste	\$94,333	7.60%	\$7,169	\$97,163	8.93%	\$8,677	
242	Celina	\$7,919,110	6.34%	\$502,072	\$8,156,683	6.47%	\$527,737	
244	Center	\$3,247,863	13.16%	\$427,419	\$3,345,299	12.40%	\$414,817	
246	Centerville	\$222,965	20.95%	\$46,711	\$229,654	21.92%	\$50,340	
247	Chandler	\$1,122,269	4.70%	\$52,747	\$1,155,937	4.46%	\$51,555	
248	Charlotte	\$366,829	6.58%	\$24,137	\$377,834	3.79%	\$14,320	
249	Chester	\$34,270	1.54%	\$528	\$34,955	0.62%	\$14,320	
245	Chico	\$258,873	4.00%	\$10,355	\$266,639	4.26%	\$11,359	
250	Childress	\$2,099,317	14.98%	\$314,478	\$2,162,297	15.51%	\$335,372	

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

			2019 EXPECTE	D	2	2020 EXPECTE	D	
		<u> </u>	ONTRIBUTION	<u>NS</u>	<u>CONTRIBUTIONS</u>			
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED	
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS	
251	Chillicothe	\$251,306	9.78%	\$24,578	\$258,845	7.33%	\$18,973	
253	Chireno	\$286,015	20.46%	\$58,519	\$294,595	21.08%	\$62,101	
254	Christine	\$32,747	0.00%	\$0	\$33,729	0.00%	\$0	
255	Cibolo	\$6,816,174	12.72%	\$867,017	\$7,020,659	12.49%	\$876,880	
256	Cisco	\$1,338,329	6.56%	\$87,794	\$1,378,479	6.39%	\$88,085	
258	Clarendon	\$513,235	1.47%	\$7,545	\$528,632	1.39%	\$7,348	
259	Clarksville	\$865,346	2.19%	\$18,951	\$891,306	1.56%	\$13,904	
260	Clarksville City	\$204,259	3.61%	\$7,374	\$210,387	4.40%	\$9,257	
263	Clear Lake Shores	\$1,005,922	10.88%	\$109,444	\$1,035,094	10.65%	\$110,238	
264	Cleburne	\$15,539,562	15.69%	\$2,438,157	\$16,005,749	16.06%	\$2,570,523	
266	Cleveland	\$3,497,953	10.77%	\$376,730	\$3,585,402	10.53%	\$377,543	
268	Clifton	\$1,117,168	1.76%	\$19,662	\$1,150,683	1.93%	\$22,208	
271	Clute	\$4,786,594	10.25%	\$490,626	\$4,920,619	10.29%	\$506,332	
272	Clyde	\$1,286,373	12.96%	\$166,714	\$1,324,964	12.98%	\$171,980	
274	Coahoma	\$256,140	6.03%	\$15,445	\$263,824	6.27%	\$16,542	
276	Cockrell Hill	\$1,418,954	8.18%	\$116,070	\$1,461,523	8.08%	\$118,091	
278	Coleman	\$2,832,200	16.54%	\$468,446	\$2,900,173	16.89%	\$489,839	
280	College Station	\$58,459,343	13.20%	\$7,716,633	\$60,213,123	13.19%	\$7,942,111	
281	Colleyville	\$13,160,573	8.56%	\$1,126,545	\$13,555,390	8.94%	\$1,211,852	
282	Collinsville	\$365,795	5.45%	\$19,936	\$376,769	5.43%	\$20,459	
283	Colmesneil	\$157,713	8.41%	\$13,264	\$162,444	9.05%	\$14,701	
284	Colorado City	\$1,593,083	8.39%	\$133,660	\$1,639,282	8.04%	\$131,798	
286	Columbus	\$1,857,021	12.39%	\$230,085	\$1,907,161	12.46%	\$237,632	
288	Comanche	\$1,039,381	4.72%	\$49,059	\$1,070,562	4.97%	\$53,207	
289	Combes	\$587,935	6.75%	\$39,686	\$605,573	6.92%	\$41,906	
290	Commerce	\$2,978,057	8.56%	\$254,922	\$3,067,399	8.50%	\$260,729	
294	Conroe	\$28,398,811	16.17%	\$4,592,088	\$29,250,775	16.24%	\$4,750,326	
295	Converse	\$8,007,831	13.75%	\$1,101,077	\$8,248,066	13.72%	\$1,131,635	
298	Cooper	\$427,561	4.93%	\$21,079	\$440,388	5.02%	\$22,107	
299	Coppell	\$29,578,265	15.53%	\$4,593,505	\$30,465,613	15.57%	\$4,743,496	
297	Copper Canyon	\$211,877	10.94%	\$23,179	\$218,233	11.69%	\$25,511	
300	Copperas Cove	\$12,012,115	11.96%	\$1,436,649	\$12,372,478	12.06%	\$1,492,121	
301	Corinth	\$9,898,654	15.30%	\$1,514,494	\$10,195,614	15.34%	\$1,564,007	
302	Corpus Christi	\$132,940,160	24.61%	\$32,716,573	\$135,997,784	24.61%	\$33,469,055	
304	Corrigan	\$1,046,110	3.83%	\$40,066	\$1,077,493	3.97%	\$42,776	
306	Corsicana	\$9,854,121	15.51%	\$1,528,374	\$10,051,203	15.37%	\$1,544,870	
308	Cotulla	\$1,434,694	6.67%	\$95,694	\$1,477,735	6.61%	\$97,678	
310	Crandall	\$1,476,991	10.68%	\$157,743	\$1,521,301	10.68%	\$162,475	
312	Crane	\$1,385,352	8.86%	\$122,742	\$1,426,913	8.01%	\$114,296	
314	Crawford	\$177,905	0.98%	\$1,743	\$183,242	0.79%	\$1,448	
316	Crockett	\$2,259,217	8.10%	\$182,997	\$2,326,994	8.09%	\$188,254	
318	Crosbyton	\$335,237	4.87%	\$16,326	\$345,294	5.02%	\$17,334	
320	Cross Plains	\$364,297	8.39%	\$30,565	\$375,226	8.16%	\$30,618	
321	Cross Roads	\$743,468	7.37%	\$54,794	\$765,772	7.55%	\$57,816	
322	Crowell	\$208,957	5.07%	\$10,594	\$215,226	5.53%	\$11,902	

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

		2	2019 EXPECTE	D	2	2020 EXPECTE	D		
		<u>c</u>	ONTRIBUTION	<u>vs</u>	<u>c</u>	<u>CONTRIBUTIONS</u>			
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED		
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS		
323	Crowley	\$6,232,186	10.77%	\$671,206	\$6,419,152	10.95%	\$702,897		
324	Crystal City	\$1,383,249	0.85%	\$11,758	\$1,420,597	0.61%	\$8,666		
326	Cuero	\$4,859,022	10.34%	\$502,423	\$5,004,793	10.48%	\$524,502		
328	Cumby	\$430,805	2.18%	\$9,392	\$443,729	1.91%	\$8,475		
332	Daingerfield	\$765,825	6.14%	\$47,022	\$788,800	5.60%	\$44,173		
334	Daisetta	\$210,170	1.26%	\$2,648	\$214,373	0.92%	\$1,972		
336	Dalhart	\$2,915,094	4.68%	\$136,426	\$3,002,547	4.78%	\$143,522		
339	Dalworthington Gardens	\$1,679,493	21.36%	\$358,740	\$1,729,878	20.99%	\$363,101		
340	Danbury	\$409,787	6.15%	\$25,202	\$422,081	5.74%	\$24,227		
341	Darrouzett	\$97,176	1.97%	\$1,914	\$100,091	4.13%	\$4,134		
344	Dayton	\$4,530,404	7.28%	\$329,813	\$4,666,316	6.99%	\$326,175		
352	De Leon	\$505,118	1.52%	\$7,678	\$515,220	1.76%	\$9,068		
10366	DeSoto	\$23,676,134	10.93%	\$2,587,801	\$24,386,418	10.94%	\$2,667,874		
346	Decatur	\$6,208,642	14.65%	\$909,566	\$6,394,901	14.30%	\$914,471		
348	Deer Park	\$20,438,749	14.10%	\$2,881,864	\$21,051,911	13.78%	\$2,900,953		
350	Dekalb	\$554,449	3.03%	\$16,800	\$569,419	2.43%	\$13,837		
354	Del Rio	\$19,582,271	7.44%	\$1,456,921	\$20,169,739	7.45%	\$1,502,646		
353	Dell City	\$108,987	10.35%	\$11,280	\$111,167	9.17%	\$10,194		
356	Denison	\$11,644,178	12.17%	\$1,417,096	\$11,993,503	12.16%	\$1,458,410		
358	Denton	\$90,674,346	17.00%	\$15,414,639	\$93,394,576	17.29%	\$16,147,922		
360	Denver City	\$1,312,335	11.30%	\$148,294	\$1,346,456	11.17%	\$150,399		
362	Deport	\$166,195	3.18%	\$5,285	\$171,181	1.88%	\$3,218		
370	Devine	\$1,885,528	16.41%	\$309,415	\$1,942,094	16.62%	\$322,776		
371	Diboll	\$1,729,705	14.04%	\$242,851	\$1,774,677	14.67%	\$260,345		
372	Dickens	\$73,063	2.51%	\$1,834	\$75,255	1.97%	\$1,483		
373	Dickinson	\$5,599,479	9.46%	\$529,711	\$5,767,463	9.49%	\$547,332		
374	Dilley	\$1,406,393	10.25%	\$144,155	\$1,448,585	10.14%	\$146,887		
376	Dimmitt	\$1,038,859	3.72%	\$38,646	\$1,070,025	4.02%	\$43,015		
382	Donna	\$5,567,496	11.21%	\$624,116	\$5,734,521	11.06%	\$634,238		
379	Double Oak	\$740,987	6.65%	\$49,276	\$763,217	7.05%	\$53,807		
383	Dripping Springs	\$1,231,217	6.36%	\$78,305	\$1,268,154	5.97%	\$75,709		
385	Driscoll	\$276,080	1.93%	\$5,328	\$284,362	1.95%	\$5,545		
384	Dublin	\$1,600,062	12.43%	\$198,888	\$1,648,064	12.43%	\$204,854		
386	Dumas	\$5,805,938	5.53%	\$321,068	\$5,980,116	5.56%	\$332,494		
388	Duncanville	\$17,827,081	7.65%	\$1,363,772	\$18,361,893	7.67%	\$1,408,357		
394	Eagle Lake	\$1,140,478	9.31%	\$106,179	\$1,172,411	8.90%	\$104,345		
396	Eagle Pass	\$17,342,800	8.40%	\$1,456,795	\$17,863,084	8.54%	\$1,525,507		
397	Early	\$1,169,777	3.48%	\$40,708	\$1,204,870	3.22%	\$38,797		
399	Earth	\$175,869	5.06%	\$8,899	\$181,145	5.09%	\$9,220		
393	East Bernard	\$157,598	5.37%	\$8,463	\$162,326	5.02%	\$8,149		
401	East Mountain	\$40,152	11.70%	\$4,698	\$41,357	13.08%	\$5,409		
395	East Tawakoni	\$303,058	5.89%	\$17,850	\$312,150	5.27%	\$16,450		
398	Eastland	\$1,798,579	9.12%	\$164,030	\$1,852,536	8.98%	\$166,358		
402	Ector	\$177,313	2.00%	\$3,546	\$182,632	1.94%	\$3,543		
406	Eden	\$280,663	2.86%	\$8,027	\$286,276	2.94%	\$8,417		

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

		2	2019 EXPECTE	D	2	2020 EXPECTE	D	
		<u>c</u>	ONTRIBUTION	<u>NS</u>	CONTRIBUTIONS			
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED	
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS	
408	Edgewood	\$396,951	3.03%	\$12,028	\$404,890	2.69%	\$10,892	
410	Edinburg	\$37,103,808	14.24%	\$5,283,582	\$38,216,922	14.32%	\$5,472,663	
412	Edna	\$1,633,586	10.81%	\$176,591	\$1,682,594	10.67%	\$179,533	
414	El Campo	\$6,059,624	10.60%	\$642,320	\$6,241,413	10.54%	\$657,845	
416	Eldorado	\$777,586	7.21%	\$56,064	\$800,914	7.21%	\$57,746	
418	Electra	\$985,851	2.24%	\$22,083	\$1,009,511	2.35%	\$23,724	
420	Elgin	\$4,247,437	13.96%	\$592,942	\$4,374,860	13.76%	\$601,981	
422	Elkhart	\$252,967	5.04%	\$12,750	\$260,556	5.23%	\$13,627	
427	Elmendorf	\$738,932	1.45%	\$10,715	\$761,100	1.58%	\$12,025	
432	Emory	\$1,014,944	6.52%	\$66,174	\$1,045,392	6.74%	\$70,459	
436	Ennis	\$11,857,968	16.90%	\$2,003,997	\$12,213,707	16.71%	\$2,040,910	
439	Euless	\$30,116,674	17.51%	\$5,273,430	\$31,020,174	17.70%	\$5,490,571	
440	Eustace	\$281,344	8.88%	\$24,983	\$289,784	10.63%	\$30,804	
441	Everman	\$2,135,245	9.56%	\$204,129	\$2,199,302	9.39%	\$206,514	
443	Fair Oaks Ranch	\$3,428,233	11.72%	\$401,789	\$3,531,080	11.71%	\$413,489	
442	Fairfield	\$1,547,131	8.09%	\$125,163	\$1,593,545	7.17%	\$114,257	
445	Fairview	\$5,171,264	10.66%	\$551,257	\$5,326,402	10.77%	\$573,653	
20444	Falfurrias	\$1,820,028	3.31%	\$60,243	\$1,874,629	3.33%	\$62,425	
446	Falls City	\$143,829	7.63%	\$10,974	\$148,144	7.85%	\$11,629	
448	Farmers Branch	\$30,269,925	18.49%	\$5,596,909	\$31,087,213	19.00%	\$5,906,570	
450	Farmersville	\$2,071,506	8.57%	\$177,528	\$2,133,651	8.74%	\$186,481	
451	Farwell	\$295,613	14.32%	\$42,332	\$304,481	15.24%	\$46,403	
452	Fate	\$2,980,288	9.90%	\$295,049	\$3,069,697	10.74%	\$329,685	
454	Fayetteville	\$114,325	2.97%	\$3,395	\$117,755	3.22%	\$3,792	
456	Ferris	\$1,765,573	5.31%	\$93,752	\$1,818,540	5.45%	\$99,110	
458	Flatonia	\$944,678	15.66%	\$147,937	\$973,018	15.94%	\$155,099	
460	Florence	\$423,847	4.25%	\$18,013	\$436,562	4.34%	\$18,947	
20462	Floresville	\$3,327,029	10.55%	\$351,002	\$3,413,532	10.26%	\$350,228	
463	Flower Mound	\$39,499,696	10.67%	\$4,214,618	\$40,684,687	10.77%	\$4,381,741	
464	Floydada	\$1,000,499	10.09%	\$100,950	\$1,024,511	10.00%	\$102,451	
468	Forest Hill	\$5,361,714	13.35%	\$715,789	\$5,522,565	12.82%	\$707,993	
470	Forney	\$9,978,657	13.47%	\$1,344,125	\$10,278,017	13.80%	\$1,418,366	
472	Fort Stockton	\$5,671,990	9.97%	\$565,497	\$5,842,150	9.64%	\$563,183	
476	Franklin	\$545,136	3.24%	\$17,662	\$561,490	3.11%	\$17,462	
478	Frankston	\$525,375	1.46%	\$7,670	\$541,136	1.45%	\$7,846	
480	Fredericksburg	\$9,996,677	11.68%	\$1,167,612	\$10,296,577	12.06%	\$1,241,767	
482	Freeport	\$6,572,270	13.65%	\$897,115	\$6,769,438	14.30%	\$968,030	
481	Freer	\$623,864	7.05%	\$43,982	\$642,580	7.00%	\$44,981	
483	Friendswood	\$14,961,477	15.69%	\$2,347,456	\$15,410,321	15.84%	\$2,440,995	
484	Friona	\$931,057	9.13%	\$85,006	\$952,471	9.06%	\$86,294	
486	Frisco	\$91,693,221	14.21%	\$13,029,607	\$94,444,018	14.07%	\$13,288,273	
487	Fritch	\$768,734	2.88%	\$22,140	\$791,796	1.78%	\$14,094	
488	Frost	\$96,986	5.58%	\$5,412	\$99,896	6.98%	\$6,973	
491	Fulshear	\$2,927,361	7.93%	\$232,140	\$3,015,182	7.69%	\$231,867	
493	Fulton	\$219,787	19.15%	\$42,089	\$226,381	22.59%	\$51,139	

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

		2	2019 EXPECTE	D	2	2020 EXPECTE	D	
		<u>c</u>	ONTRIBUTION	<u>IS</u>	CONTRIBUTIONS			
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED	
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS	
492	Gainesville	\$11,559,785	12.08%	\$1,396,422	\$11,837,220	12.17%	\$1,440,590	
494	Galena Park	\$3,781,476	12.32%	\$465,878	\$3,857,106	12.14%	\$468,253	
498	Ganado	\$500,799	13.59%	\$68,059	\$513,319	13.16%	\$67,553	
499	Garden Ridge	\$1,668,834	7.76%	\$129,502	\$1,718,899	7.39%	\$127,027	
500	Garland	\$155,261,797	10.79%	\$16,752,748	\$159,919,651	11.03%	\$17,639,138	
502	Garrison	\$376,574	18.74%	\$70,570	\$384,105	16.50%	\$63,377	
503	Gary	\$222,300	7.10%	\$15,783	\$226,746	7.22%	\$16,371	
504	Gatesville	\$3,798,807	15.05%	\$571,720	\$3,912,771	14.88%	\$582,220	
505	George West	\$1,231,204	6.16%	\$75,842	\$1,268,140	5.79%	\$73,425	
506	Georgetown	\$47,729,588	12.23%	\$5,837,329	\$49,161,476	12.13%	\$5,963,287	
510	Giddings	\$3,038,285	18.83%	\$572,109	\$3,129,434	18.19%	\$569,244	
512	Gilmer	\$2,283,741	13.66%	\$311,959	\$2,352,253	13.34%	\$313,791	
514	Gladewater	\$2,712,308	8.20%	\$222,409	\$2,793,677	8.62%	\$240,815	
516	Glen Rose	\$1,285,595	14.57%	\$187,311	\$1,324,163	14.60%	\$193,328	
517	Glenn Heights	\$4,256,793	2.94%	\$125,150	\$4,384,497	2.87%	\$125,835	
518	Godley	\$547,837	2.53%	\$13,860	\$564,272	2.63%	\$14,840	
519	Goldsmith	\$239,829	3.62%	\$8,682	\$247,024	3.20%	\$7,905	
520	Goldthwaite	\$675,368	22.25%	\$150,269	\$695,629	23.50%	\$163,473	
522	Goliad	\$653,041	4.33%	\$28,277	\$668,714	4.99%	\$33,369	
524	Gonzales	\$4,713,962	10.68%	\$503,451	\$4,855,381	10.45%	\$507,387	
527	Gordon	\$125,423	2.53%	\$3,173	\$129,186	2.73%	\$3,527	
530	Gorman	\$236,248	8.55%	\$20,199	\$243,335	9.17%	\$22,314	
532	Graford	\$132,021	2.88%	\$3,802	\$135,982	2.87%	\$3,903	
10534	Graham	\$4,074,239	10.44%	\$425,351	\$4,159,798	10.35%	\$430,539	
536	Granbury	\$8,853,111	15.97%	\$1,413,842	\$9,118,704	15.67%	\$1,428,901	
540	Grand Prairie	\$96,547,690	16.87%	\$16,287,595	\$99,444,121	16.83%	\$16,736,446	
542	Grand Saline	\$938,515	8.42%	\$79,023	\$957,285	7.33%	\$70,169	
544	Grandview	\$839,535	6.19%	\$51,967	\$864,721	6.50%	\$56,207	
546	Granger	\$401,836	0.65%	\$2,612	\$409,873	0.82%	\$3,361	
547	Granite Shoals	\$1,753,881	5.01%	\$87,869	\$1,806,497	4.80%	\$86,712	
548	Grapeland	\$263,869	3.72%	\$9,816	\$271,785	4.10%	\$11,143	
550	Grapevine	\$45,651,559	18.58%	\$8,482,060	\$47,021,106	18.53%	\$8,713,011	
552	Greenville	\$19,277,191	10.80%	\$2,081,937	\$19,855,507	11.00%	\$2,184,106	
551	Gregory	\$442,987	4.09%	\$18,118	\$456,277	3.96%	\$18,069	
553	Grey Forest	\$2,832,574	15.38%	\$435,650	\$2,917,551	15.76%	\$459,806	
556	Groesbeck	\$1,283,879	2.50%	\$32,097	\$1,322,395	2.50%	\$33,060	
558	Groom	\$225,136	2.90%	\$6,529	\$231,890	2.71%	\$6,284	
559	Groves	\$6,540,194	9.32%	\$609,546	\$6,736,400	9.13%	\$615,033	
560	Groveton	\$227,107	1.99%	\$4,519	\$233,920	2.03%	\$4,749	
562	Gruver	\$246,413	11.96%	\$29,471	\$251,341	14.01%	\$35,213	
563	Gun Barrel City	\$1,692,114	5.10%	\$86,298	\$1,742,877	4.70%	\$81,915	
564	Gunter	\$399,735	3.96%	\$15,830	\$411,727	4.14%	\$17,045	
568	Hale Center	\$467,119	1.96%	\$9,156	\$481,133	1.98%	\$9,526	
570	Hallettsville	\$1,542,541	11.77%	\$181,557	\$1,588,817	11.84%	\$188,116	
572	Hallsville	\$864,902	3.02%	\$26,120	\$890,849	2.93%	\$26,102	

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

			2019 EXPECTED			2020 EXPECTE	
		_	ONTRIBUTIO		_	ONTRIBUTIO	
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS
574	Haltom City	\$17,399,981	18.84%	\$3,278,156	\$17,921,980	19.05%	\$3,414,137
576	Hamilton	\$1,072,627	17.88%	\$191,786	\$1,104,806	15.10%	\$166,826
578	Hamlin	\$544,806	13.93%	\$75,891	\$555,702	11.69%	\$64,962
580	Нарру	\$95,825	8.33%	\$7,982	\$98,412	8.15%	\$8,021
581	Harker Heights	\$12,632,619	14.89%	\$1,880,997	\$13,011,598	14.77%	\$1,921,813
10582	Harlingen	\$9,512,592	10.49%	\$997,871	\$9,512,592	11.66%	\$1,109,168
20582	Harlingen Waterworks Sys	\$6,339,446	1.87%	\$118,548	\$6,529,629	1.92%	\$125,369
583	Hart	\$153,643	3.93%	\$6,038	\$156,716	3.97%	\$6,222
586	Haskell	\$695,577	0.00%	\$0	\$716,444	0.00%	\$0
587	Haslet	\$1,399,608	8.79%	\$123,026	\$1,441,596	8.63%	\$124,410
588	Hawkins	\$405,079	14.79%	\$59,911	\$414,801	6.06%	\$25,137
585	Hays	\$31,368	3.20%	\$1,004	\$31,995	8.43%	\$2,697
590	Hearne	\$2,275,194	15.08%	\$343,099	\$2,343,450	14.98%	\$351,049
591	Heath	\$3,955,030	11.14%	\$440,590	\$4,073,681	11.55%	\$470,510
592	Hedley	\$28,067	4.12%	\$1,156	\$28,628	2.45%	\$701
595	, Hedwig Village	\$2,093,914	7.22%	\$151,181	\$2,150,450	7.33%	\$157,628
593	Helotes	\$3,884,407	6.72%	\$261,032	\$4,000,939	6.57%	\$262,862
593 594			7.78%				
	Hemphill	\$1,187,632		\$92,398	\$1,223,261	7.33%	\$89,665
596	Hempstead	\$3,644,908	7.90%	\$287,948	\$3,754,255	7.78%	\$292,081
598	Henderson	\$6,486,152	16.40%	\$1,063,729	\$6,680,737	16.11%	\$1,076,267
600	Henrietta	\$703,694	14.80%	\$104,147	\$724,805	14.74%	\$106,836
602	Hereford	\$5,223,600	10.56%	\$551,612	\$5,380,308	10.34%	\$556,324
605	Hewitt	\$4,905,953	15.76%	\$773,178	\$5,053,132	15.48%	\$782,225
609	Hickory Creek	\$1,186,609	12.07%	\$143,224	\$1,215,088	11.95%	\$145,203
606	Hico	\$491,323	8.30%	\$40,780	\$502,623	8.30%	\$41,718
607	Hidalgo	\$6,237,912	12.73%	\$794,086	\$6,425,049	12.66%	\$813,411
608	Higgins	\$111,451	3.46%	\$3,856	\$114,795	4.07%	\$4,672
610	Highland Park	\$13,152,265	5.34%	\$702,331	\$13,546,833	5.64%	\$764,041
611	Highland Village	\$10,525,876	13.35%	\$1,405,204	\$10,841,652	13.31%	\$1,443,024
613	Hill Country Village	\$866,174	3.71%	\$32,135	\$890,427	3.79%	\$33,747
612	Hillsboro	\$4,804,209	11.05%	\$530,865	\$4,948,335	11.28%	\$558,172
619	Hilshire Village	\$113,080	12.99%	\$14,689	\$116,472	10.98%	\$12,789
614	Hitchcock	\$2,213,939	4.23%	\$93,650	\$2,280,357	4.18%	\$95,319
615	Holland	\$279,120	8.00%	\$22,330	\$286,935	7.08%	\$20,315
616	Holliday	\$397,698	2.72%	\$10,817	\$409,629	2.64%	\$10,814
617	Hollywood Park	\$2,153,985	8.80%	\$189,551	\$2,218,605	8.81%	\$195,459
618	Hondo	\$4,598,579	8.38%	\$385,361	\$4,736,536	8.22%	\$389,343
620	Honey Grove	\$415,648	7.75%	\$32,213	\$428,117	7.29%	\$31,210
622	Hooks	\$567,643	13.49%	\$76,575	\$584,672	13.46%	\$78,697
623	Horizon City	\$3,069,050	5.86%	\$179,846	\$3,161,122	5.89%	\$186,190
626	Howe	\$744,165	5.42%	\$40,334	\$759,048	5.25%	\$39,850
627	Hubbard	\$406,283	0.79%	\$3,210	\$416,846	0.77%	\$3,210
628	Hudson	\$733,664	4.36%	\$3,210	\$755,674	4.17%	\$3,210
629	Hudson Oaks	\$1,478,013	4.36% 11.96%	\$31,988 \$176,770	\$1,522,353	4.17% 12.20%	\$31,512 \$185,727
630	Hughes Springs	\$618,234	9.08%	\$56,136	\$632,453	8.63%	\$54,581

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

		2019 EXPECTED			2	2020 EXPECTE	D	
		<u> </u>	ONTRIBUTION	<u>NS</u>	<u>CONTRIBUTIONS</u>			
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED	
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS	
632	Humble	\$15,284,193	13.43%	\$2,052,667	\$15,742,719	13.61%	\$2,142,584	
633	Hunters Creek Village	\$519,240	15.44%	\$80,171	\$534,817	16.86%	\$90,170	
634	Huntington	\$788,087	14.12%	\$111,278	\$810,153	14.27%	\$115,609	
636	Huntsville	\$13,932,380	18.37%	\$2,559,378	\$14,322,487	18.58%	\$2,661,118	
637	Hurst	\$27,330,250	10.96%	\$2,995,395	\$28,150,158	11.11%	\$3,127,483	
638	Hutchins	\$3,710,675	8.70%	\$322,829	\$3,821,995	9.07%	\$346,655	
640	Hutto	\$8,571,106	12.09%	\$1,036,247	\$8,828,239	12.04%	\$1,062,920	
641	Huxley	\$357,529	1.26%	\$4,505	\$365,395	0.90%	\$3,289	
642	Idalou	\$574,649	4.35%	\$24,997	\$591,888	4.05%	\$23,971	
643	Ingleside	\$3,484,642	9.87%	\$343,934	\$3,589,181	8.87%	\$318,360	
646	Ingram	\$519,520	5.74%	\$29,820	\$535,106	5.73%	\$30,662	
647	Iowa Colony	\$395,336	19.31%	\$76,339	\$407,196	14.15%	\$57,618	
644	Iowa Park	\$1,851,971	14.69%	\$272,055	\$1,907,530	14.76%	\$281,551	
645	Iraan	\$275,872	16.81%	\$46,374	\$284,148	17.58%	\$49,953	
648	Irving	\$109,317,946	14.34%	\$15,676,193	\$112,269,531	14.46%	\$16,234,174	
650	Italy	\$743,382	3.09%	\$22,971	\$765,683	2.99%	\$22,894	
652	Itasca	\$732,653	10.37%	\$75,976	\$754,633	10.70%	\$80,746	
654	Jacinto City	\$2,799,875	7.78%	\$217,830	\$2,883,871	7.97%	\$229,845	
656	Jacksboro	\$1,836,434	14.25%	\$261,692	\$1,891,527	14.92%	\$282,216	
658	Jacksonville	\$6,367,955	10.76%	\$685,192	\$6,546,258	10.61%	\$694,558	
660	Jasper	\$5,888,109	8.94%	\$526,397	\$6,064,752	9.09%	\$551,286	
664	Jefferson	\$779,221	1.22%	\$9,506	\$794,805	0.89%	\$7,074	
665	Jersey Village	\$5,541,680	14.73%	\$816,289	\$5,707,930	14.05%	\$801,964	
666	Jewett	\$281,777	9.32%	\$26,262	\$290,230	10.60%	\$30,764	
668	Joaquin	\$260,199	4.67%	\$12,151	\$268,005	4.56%	\$12,221	
670	Johnson City	\$862,391	10.09%	\$87,015	\$885,676	9.78%	\$86,619	
673	Jones Creek	\$283,338	6.44%	\$18,247	\$291,838	6.02%	\$17,569	
675	Jonestown	\$1,302,631	7.00%	\$91,184	\$1,341,710	7.32%	\$98,213	
677	Josephine	\$455,208	6.35%	\$28,906	\$468,864	5.95%	\$27,897	
671	Joshua	\$1,780,309	5.97%	\$106,284	\$1,833,718	5.70%	\$104,522	
672	Jourdanton	\$1,541,373	6.04%	\$93,099	\$1,587,614	6.08%	\$96,527	
674	Junction	\$873,955	14.71%	\$128,559	\$900,174	14.53%	\$130,795	
676	Justin	\$1,764,292	7.66%	\$135,145	\$1,817,221	7.43%	\$135,020	
678	Karnes City	\$1,374,047	8.79%	\$120,779	\$1,415,268	8.74%	\$123,694	
680	Katy	\$14,673,279	14.05%	\$2,061,596	\$15,113,477	13.62%	\$2,058,456	
682	Kaufman	\$3,023,062	13.92%	\$420,810	\$3,113,754	14.78%	\$460,213	
683	Keene	\$2,338,757	12.02%	\$281,119	\$2,408,920	12.17%	\$293,166	
681	Keller	\$19,332,431	15.45%	\$2,986,861	\$19,912,404	15.83%	\$3,152,134	
685	Kemah	\$2,224,492	7.04%	\$156,604	\$2,275,655	6.93%	\$157,703	
684	Kemp	\$695,451	5.04%	\$35,051	\$709,360	5.79%	\$41,072	
686	Kenedy	\$2,116,685	4.23%	\$89,536	\$2,180,186	3.93%	\$85,681	
688	Kennedale	\$4,085,036	13.85%	\$565,777	\$4,187,162	13.57%	\$568,198	
690	Kerens	\$420,160	8.32%	\$34,957	\$432,765	8.15%	\$35,270	
692	Kermit	\$2,400,675	16.16%	\$387,949	\$2,472,695	15.71%	\$388,460	
10694	Kerrville	\$17,654,078	10.05%	\$1,774,235	\$18,183,700	10.13%	\$1,842,009	

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

			2019 EXPECTE	D	2	2020 EXPECTE	D		
		<u>c</u>	ONTRIBUTION	<u>NS</u>	<u>c</u>	CONTRIBUTIONS			
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED		
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS		
20694	Kerrville PUB	\$4,041,538	12.04%	\$486,601	\$4,162,784	12.06%	\$502,032		
10696	Kilgore	\$7,979,504	14.21%	\$1,133,888	\$8,218,889	13.78%	\$1,132,563		
698	Killeen	\$46,699,039	10.98%	\$5,127,554	\$48,100,010	11.27%	\$5,420,871		
700	Kingsville	\$11,987,332	8.68%	\$1,040,500	\$12,346,952	8.80%	\$1,086,532		
701	Kirby	\$2,252,573	14.65%	\$330,002	\$2,320,150	14.77%	\$342,686		
702	Kirbyville	\$872,501	5.46%	\$47,639	\$890,824	5.82%	\$51,846		
704	Knox City	\$352,847	2.58%	\$9,103	\$363,432	2.37%	\$8,613		
706	Kosse	\$134,976	5.18%	\$6,992	\$139,025	5.36%	\$7,452		
708	Kountze	\$1,008,646	1.33%	\$13,415	\$1,038,905	1.38%	\$14,337		
709	Kress	\$29,721	0.00%	\$0	\$30,315	0.00%	\$0		
699	Krugerville	\$622,937	8.62%	\$53,697	\$641,625	8.17%	\$52,421		
707	Krum	\$1,975,150	6.81%	\$134,508	\$2,034,405	6.57%	\$133,660		
710	Kyle	\$11,708,038	12.49%	\$1,462,334	\$12,059,279	12.52%	\$1,509,822		
725	La Coste	\$324,189	1.48%	\$4,798	\$333,915	1.30%	\$4,341		
714	La Feria	\$2,083,458	11.05%	\$230,222	\$2,145,962	11.23%	\$240,992		
716	La Grange	\$2,997,702	14.83%	\$444,559	\$3,087,633	14.06%	\$434,121		
723	La Grulla	\$612,867	5.64%	\$34,566	\$628,802	5.13%	\$32,258		
732	La Joya	\$1,137,048	6.21%	\$70,611	\$1,171,159	6.83%	\$79,990		
721	La Marque	\$6,352,537	14.79%	\$939,540	\$6,517,703	13.92%	\$907,264		
728	La Porte	\$23,726,658	15.53%	\$3,684,750	\$24,438,458	15.38%	\$3,758,635		
731	La Vernia	\$780,013	3.28%	\$25,584	\$803,413	3.12%	\$25,066		
711	Lacy-Lakeview	\$2,140,170	14.36%	\$307,328	\$2,204,375	14.40%	\$317,430		
712	Ladonia	\$50,228	4.54%	\$2,280	\$51,735	3.26%	\$1,687		
713	Lago Vista	\$4,323,863	7.77%	\$335,964	\$4,453,579	8.12%	\$361,631		
705	Laguna Vista	\$776,551	4.55%	\$35,333	\$799,848	4.32%	\$34,553		
717	Lake Dallas	\$1,945,087	12.54%	\$243,914	\$2,003,440	13.06%	\$261,649		
718	Lake Jackson	\$11,917,278	11.98%	\$1,427,690	\$12,274,796	12.04%	\$1,477,885		
719	Lake Worth	\$5,475,364	16.91%	\$925,884	\$5,639,625	16.05%	\$905,160		
727	Lakeport	\$214,065	0.00%	\$0	\$220,487	0.00%	\$0		
715	Lakeside	\$791,096	8.13%	\$64,316	\$814,829	8.55%	\$69,668		
729	Lakeside City	\$193,863	2.47%	\$4,788	\$199,679	2.08%	\$4,153		
720	Lakeway	\$7,172,807	13.92%	\$998,455	\$7,387,991	13.90%	\$1,026,931		
722	Lamesa	\$3,561,259	4.45%	\$158,476	\$3,646,729	4.76%	\$173,584		
724	Lampasas	\$5,501,859	15.24%	\$838,483	\$5,666,915	15.55%	\$881,205		
726	Lancaster	\$17,701,686	13.39%	\$2,370,256	\$18,232,737	13.45%	\$2,452,303		
730	Laredo	\$115,662,307	20.78%	\$24,034,627	\$119,132,176	20.77%	\$24,743,753		
733	Lavon	\$911,616	6.39%	\$58,252	\$938,964	6.51%	\$61,127		
736	League City	\$34,033,940	15.05%	\$5,122,108	\$35,054,958	14.72%	\$5,160,090		
737	Leander	\$18,406,975	12.23%	\$2,251,173	\$18,959,184	12.04%	\$2,282,686		
735	Lefors	\$117,291	3.94%	\$4,621	\$120,810	4.05%	\$4,893		
739	Leon Valley	\$6,227,367	16.89%	\$1,051,802	\$6,414,188	17.12%	\$1,098,109		
738	Leonard	\$668,974	1.93%	\$12,911	\$689,043	1.15%	\$7,924		
740	Levelland	\$5,281,370	11.69%	\$617,392	\$5,439,811	11.44%	\$622,314		
742	Lewisville	\$54,923,274	16.28%	\$8,941,509	\$56,570,972	16.57%	\$9,373,810		
744	Lexington	\$520,410	8.55%	\$44,495	\$536,022	8.82%	\$47,277		

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

		:	2019 EXPECTE	D	7	2020 EXPECTE	D
		_	ONTRIBUTIO		_	ONTRIBUTIO	
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS
746	Liberty	\$4,554,465	17.83%	\$812,061	\$4,663,772	17.48%	\$815,227
745	Liberty Hill	\$1,674,376	6.87%	\$115,030	\$1,724,607	7.08%	\$122,102
748	Lindale	\$2,623,673	14.61%	\$383,319	\$2,702,383	14.79%	\$399,682
750	Linden	\$538,669	1.23%	\$6,626	\$554,829	1.28%	\$7,102
755	Lipan	\$152,393	2.46%	\$3,749	\$156,965	2.46%	\$3,861
751	Little Elm	\$16,512,038	13.18%	\$2,176,287	\$17,007,399	13.47%	\$2,290,897
752	Littlefield	\$2,370,980	9.25%	\$219,316	\$2,432,625	8.93%	\$217,233
753	Live Oak	\$6,762,897	17.95%	\$1,213,940	\$6,965,784	18.26%	\$1,271,952
757	Liverpool	\$193,445	2.68%	\$5,184	\$199,248	1.94%	\$3,865
754	Livingston	\$4,309,274	14.81%	\$638,203	\$4,438,552	15.56%	\$690,639
756	Llano	\$2,330,044	14.67%	\$341,817	\$2,383,635	14.59%	\$347,772
758	Lockhart	\$6,556,913	13.00%	\$852,399	\$6,714,279	12.81%	\$860,099
760	Lockney	\$221,610	0.00%	\$0	\$226,042	0.00%	\$0
765	Lone Star	\$469,589	2.13%	\$10,002	\$478,981	2.54%	\$12,166
766	Longview	\$34,793,140	10.75%	\$3,740,263	\$35,836,934	10.86%	\$3,891,891
768	Loraine	\$88,761	2.63%	\$2,334	\$91,424	3.39%	\$3,099
769	Lorena	\$713,003	10.68%	\$76,149	\$734,393	10.78%	\$79,168
770	Lorenzo	\$295,841	2.04%	\$6,035	\$304,716	2.25%	\$6,856
771	Los Fresnos	\$2,059,967	7.01%	\$144,404	\$2,121,766	7.34%	\$155,738
773	Lott	\$371,550	1.20%	\$4,459	\$382,697	1.24%	\$4,745
774	Lovelady	\$119,826	8.95%	\$10,724	\$123,421	7.65%	\$9,442
778	Lubbock	\$104,677,150	17.71%	\$18,538,323	\$107,817,465	17.57%	\$18,943,529
779	Lucas	\$2,432,175	12.83%	\$312,048	\$2,505,140	12.50%	\$313,143
782	Lufkin	\$17,582,427	16.34%	\$2,872,969	\$18,109,900	16.17%	\$2,928,371
784	Luling	\$3,620,101	9.30%	\$336,669	\$3,728,704	8.60%	\$320,669
785	Lumberton	\$2,316,800	16.59%	\$384,357	\$2,386,304	15.98%	\$381,331
786	Lyford	\$440,982	4.21%	\$18,565	\$454,211	4.07%	\$18,486
787	Lytle	\$1,115,579	9.74%	\$108,657	\$1,149,046	10.23%	\$117,547
790	Madisonville	\$1,590,900	9.17%	\$145,886	\$1,638,627	9.49%	\$155,506
791	Magnolia	\$1,582,682	1.67%	\$26,431	\$1,630,162	1.62%	\$26,409
792	Malakoff	\$1,377,427	7.69%	\$105,924	\$1,418,750	7.64%	\$108,393
796	Manor	\$3,800,271	8.87%	\$337,084	\$3,914,279	9.11%	\$356,591
798	Mansfield	\$37,642,317	14.95%	\$5,627,526	\$38,771,587	15.39%	\$5,966,947
799	Manvel	\$2,646,205	11.60%	\$306,960	\$2,725,591	10.70%	\$291,638
800	Marble Falls	\$6,933,027	9.37%	\$649,625	\$7,141,018	9.76%	\$696,963
802	Marfa	\$1,700,222	2.69%	\$45,736	¢1 751 220	3.21%	\$56,214
802 804	Marion	\$1,700,222	5.20%	\$45,736 \$24,287	\$1,751,229 \$481,062	3.42%	\$36,214 \$16,452
806	Marlin	\$2,068,499	8.91%	\$184,303	\$2,109,869	3.42% 8.71%	\$183,770
808	Marquez	\$2,068,499	15.97%	\$184,303	\$96,295	18.81%	\$183,770
810	Marshall	\$8,619,257	16.17%	\$1,393,734	\$8,834,738	16.12%	\$1,424,160
812	Mart	\$548,176	1.63%	\$8,935	\$564,621	2.03%	\$11,462
813	Martindale	\$123,883	13.33%	\$16,514	\$127,599	12.02%	\$15,337
814	Mason	\$1,204,163	6.90%	\$83,087	\$1,240,288	6.57%	\$81,487
816	Matador	\$128,213	6.38%	\$8,180	\$132,059	7.96%	\$10,512
818	Mathis	\$2,106,281	4.31%	\$90,781	\$2,169,469	3.64%	\$78,969

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

			2019 EXPECTE	D	2	2020 EXPECTE	D	
		<u>c</u>	ONTRIBUTION	<u>NS</u>	CONTRIBUTIONS			
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED	
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS	
820	Maud	\$263,208	3.62%	\$9,528	\$271,104	3.47%	\$9,407	
822	Maypearl	\$197,364	2.70%	\$5,329	\$203,285	2.69%	\$5,468	
824	McAllen	\$74,374,962	7.76%	\$5,771,497	\$76,606,211	7.81%	\$5,982,945	
826	McCamey	\$593,839	1.64%	\$9,739	\$611,654	1.67%	\$10,215	
828	McGregor	\$2,743,849	9.87%	\$270,818	\$2,826,164	9.65%	\$272,725	
830	McKinney	\$80,275,295	15.07%	\$12,097,487	\$82,683,554	14.90%	\$12,319,850	
832	McLean	\$233,833	2.18%	\$5,098	\$240,848	2.58%	\$6,214	
833	McLendon-Chisholm	\$248,964	8.53%	\$21,237	\$256,433	1.52%	\$3,898	
834	Meadow	\$167,650	4.56%	\$7,645	\$172,680	4.24%	\$7,322	
831	Meadowlakes	\$812,195	2.41%	\$19,574	\$836,561	2.38%	\$19,910	
835	Meadows Place	\$1,701,874	9.66%	\$164,401	\$1,742,719	9.54%	\$166,255	
837	Melissa	\$2,929,851	13.10%	\$383,810	\$3,017,747	12.84%	\$387,479	
1501	Memorial Villages PD	\$3,261,163	11.03%	\$359,706	\$3,358,998	11.61%	\$389,980	
840	Memphis	\$625,157	3.52%	\$22,006	\$639,536	3.59%	\$22,959	
842	Menard	\$269,820	0.00%	\$0	\$276,296	0.00%	\$0	
844	Mercedes	\$4,458,909	18.12%	\$807,954	\$4,592,676	18.09%	\$830,815	
846	Meridian	\$443,234	3.16%	\$14,006	\$456,531	2.96%	\$13,513	
848	Merkel	\$538,235	11.69%	\$62,920	\$554,382	11.50%	\$63,754	
852	Mertzon	\$201,913	13.21%	\$26,673	\$207,970	11.81%	\$24,561	
854	Mesquite	\$78,628,941	16.51%	\$12,981,638	\$80,987,809	16.62%	\$13,460,174	
856	Mexia	\$4,195,095	12.29%	\$515,577	\$4,320,948	12.11%	\$523,267	
858	Miami	\$97,280	13.85%	\$13,473	\$100,198	11.46%	\$11,483	
860	Midland	\$48,803,414	14.21%	\$6,934,965	\$50,267,516	14.41%	\$7,243,549	
862	Midlothian	\$15,120,566	14.29%	\$2,160,729	\$15,574,183	14.76%	\$2,298,749	
863	Milano	\$33,629	10.77%	\$3,622	\$34,638	11.49%	\$3,980	
864	Miles	\$136,812	0.00%	\$0	\$140,916	0.00%	\$0	
865	Milford	\$267,875	9.16%	\$24,537	\$273,233	8.43%	\$23,034	
868	Mineola	\$2,241,840	4.18%	\$93,709	\$2,309,095	4.54%	\$104,833	
870	Mineral Wells	\$8,382,831	8.83%	\$740,204	\$8,634,316	8.82%	\$761,547	
874	Mission	\$31,215,757	8.42%	\$2,628,367	\$32,152,230	8.52%	\$2,739,370	
875	Missouri City	\$24,293,554	8.93%	\$2,169,414	\$25,022,361	8.86%	\$2,216,981	
876	Monahans	\$3,823,863	7.66%	\$292,908	\$3,938,579	7.36%	\$289,879	
887	Mont Belvieu	\$6,062,336	15.84%	\$960,274	\$6,244,206	14.36%	\$896,668	
877	Montgomery	\$1,306,117	6.13%	\$80,065	\$1,345,301	6.05%	\$81,391	
878	Moody	\$508,450	3.42%	\$17,389	\$523,704	2.29%	\$11,993	
883	Morgan's Point	\$857,624	9.23%	\$79,159	\$883,353	10.02%	\$88,512	
882	Morgan's Point Resort	\$1,186,266	12.17%	\$144,369	\$1,213,550	11.82%	\$143,442	
884	Morton	\$379,267	4.31%	\$16,346	\$389,886	4.03%	\$15,712	
886	Moulton	\$460,509	5.15%	\$23,716	\$474,324	4.73%	\$22,436	
890	Mount Enterprise	\$98,947	1.91%	\$1,890	\$101,718	2.46%	\$2,502	
892	Mt. Pleasant	\$8,419,701	15.09%	\$1,270,533	\$8,672,292	14.98%	\$1,299,109	
894	Mt. Vernon	\$952,398	11.21%	\$106,764	\$979,065	11.40%	\$111,613	
896	Muenster	\$538,756	1.42%	\$7,650	\$554,919	1.64%	\$9,101	
898	Muleshoe	\$1,421,311	17.84%	\$253,562	\$1,463,950	19.10%	\$279,614	
901	Munday	\$303,012	3.57%	\$10,818	\$312,102	3.38%	\$10,549	

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

		2019 EXPECTED			2	2020 EXPECTE	D		
		<u>c</u>	ONTRIBUTION	<u>vs</u>	<u>c</u>	<u>CONTRIBUTIONS</u>			
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED		
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS		
903	Murphy	\$7,926,243	14.11%	\$1,118,393	\$8,164,030	13.98%	\$1,141,331		
10904	Nacogdoches	\$17,289,876	14.99%	\$2,591,752	\$17,808,572	14.15%	\$2,519,913		
906	Naples	\$366,808	1.93%	\$7,079	\$377,812	2.17%	\$8,199		
907	Nash	\$1,067,582	17.63%	\$188,215	\$1,097,474	17.54%	\$192,497		
905	Nassau Bay	\$2,748,323	15.66%	\$430,387	\$2,830,773	15.74%	\$445,564		
909	Natalia	\$431,607	3.13%	\$13,509	\$444,555	3.17%	\$14,092		
908	Navasota	\$3,344,260	8.01%	\$267,875	\$3,444,588	7.60%	\$261,789		
910	Nederland	\$8,558,760	6.35%	\$543,481	\$8,815,523	6.47%	\$570,364		
912	Needville	\$894,044	4.19%	\$37,460	\$917,289	4.21%	\$38,618		
914	New Boston	\$1,405,834	1.63%	\$22,915	\$1,448,009	2.07%	\$29,974		
10916	New Braunfels	\$39,701,875	16.96%	\$6,733,438	\$40,892,931	16.85%	\$6,890,459		
20916	New Braunfels Utilities	\$18,475,786	17.42%	\$3,218,482	\$19,030,060	17.22%	\$3,276,976		
915	New Deal	\$232,898	0.54%	\$1,258	\$237,789	0.72%	\$1,712		
923	New Fairview	\$74,975	9.63%	\$7,220	\$77,224	10.40%	\$8,031		
918	New London	\$346,919	3.87%	\$13,426	\$357,327	3.39%	\$12,113		
919	New Summerfield	\$359,724	9.54%	\$34,318	\$370,516	7.70%	\$28,530		
917	New Waverly	\$222,953	6.38%	\$14,224	\$229,642	7.63%	\$17,522		
913	Newark	\$250,183	3.15%	\$7,881	\$257,688	2.95%	\$7,602		
920	Newton	\$1,036,855	20.51%	\$212,659	\$1,067,961	21.14%	\$225,767		
922	Nixon	\$686,659	0.70%	\$4,807	\$707,259	0.64%	\$4,526		
924	Nocona	\$777,512	9.83%	\$76,429	\$800,837	10.11%	\$80,965		
925	Nolanville	\$605,773	2.32%	\$14,054	\$623,946	2.12%	\$13,228		
928	Normangee	\$142,716	2.29%	\$3,268	\$146,997	0.87%	\$1,279		
931	North Richland Hills	\$37,029,808	16.15%	\$5,980,314	\$38,140,702	16.34%	\$6,232,191		
930	Northlake	\$2,248,455	10.50%	\$236,088	\$2,315,909	9.97%	\$230,896		
935	O'Donnell	\$113,559	7.03%	\$7,983	\$115,830	7.47%	\$8,653		
936	Oak Point	\$1,718,689	7.12%	\$122,371	\$1,770,250	7.49%	\$132,592		
937	Oak Ridge North	\$2,710,944	11.82%	\$320,434	\$2,792,272	11.40%	\$318,319		
942	Odem	\$498,739	9.12%	\$45,485	\$513,701	9.70%	\$49,829		
944	Odessa	\$42,440,344	13.07%	\$5,546,953	\$43,713,554	13.44%	\$5,875,102		
945	Oglesby	\$48,003	0.53%	\$254	\$49,107	1.07%	\$525		
949	Old River-Winfree	\$35,751	0.00%	\$0	\$36,824	0.00%	\$0		
950	Olmos Park	\$1,886,835	2.60%	\$49,058	\$1,943,440	2.65%	\$51,501		
951	Olney	\$727,724	6.35%	\$46,210	\$742,278	6.90%	\$51,217		
953	Omaha	\$219,989	5.30%	\$11,659	\$226,589	5.14%	\$11,647		
954	Onalaska	\$492,623	2.63%	\$12,956	\$507,402	2.09%	\$10,605		
958	Orange	\$9,195,194	15.80%	\$1,452,841	\$9,471,050	15.16%	\$1,435,811		
960	Orange Grove	\$380,048	7.11%	\$27,021	\$391,449	7.20%	\$28,184		
959	Ore City	\$377,248	1.45%	\$5,470	\$388,565	1.02%	\$3,963		
962	Overton	\$749,099	3.23%	\$24,196	\$771,572	3.16%	\$24,382		
961	Ovilla	\$1,279,678	9.45%	\$120,930	\$1,318,068	9.83%	\$129,566		
963	Oyster Creek	\$1,127,018	11.02%	\$124,197	\$1,160,829	10.76%	\$124,905		
964	Paducah	\$165,145	1.11%	\$1,833	\$169,439	0.00%	\$0		
966	Palacios	\$1,494,018	17.45%	\$260,706	\$1,535,851	17.27%	\$265,241		
968	Palestine	\$8,995,409	13.42%	\$1,207,184	\$9,265,271	13.58%	\$1,258,224		

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

		2019 EXPECTED			2	2020 EXPECTE	D		
		<u>c</u>	ONTRIBUTION	<u>IS</u>	<u>c</u>	<u>CONTRIBUTIONS</u>			
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED		
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS		
970	Palmer	\$1,213,127	11.47%	\$139,146	\$1,249,521	11.04%	\$137,947		
969	Palmhurst	\$1,155,291	5.94%	\$68,624	\$1,189,950	5.73%	\$68,184		
971	Palmview	\$2,773,699	1.92%	\$53,255	\$2,856,910	1.99%	\$56,853		
972	Pampa	\$7,661,461	21.43%	\$1,641,851	\$7,891,305	21.48%	\$1,695,052		
974	Panhandle	\$864,736	12.34%	\$106,708	\$890,678	11.25%	\$100,201		
973	Panorama Village	\$648,737	6.58%	\$42,687	\$668,199	6.28%	\$41,963		
975	Pantego	\$2,618,276	17.49%	\$457,936	\$2,681,115	17.17%	\$460,347		
976	Paris	\$12,123,962	6.95%	\$842,615	\$12,487,681	7.18%	\$896,615		
977	Parker	\$1,517,626	12.21%	\$185,302	\$1,563,155	12.42%	\$194,144		
978	Pasadena	\$66,325,479	13.45%	\$8,920,777	\$68,116,267	13.46%	\$9,168,450		
983	Pearland	\$46,985,502	13.30%	\$6,249,072	\$48,395,067	13.14%	\$6,359,112		
984	Pearsall	\$2,638,680	4.35%	\$114,783	\$2,717,840	4.69%	\$127,467		
988	Pecos City	\$6,168,297	6.06%	\$373,799	\$6,353,346	6.14%	\$390,095		
989	Pelican Bay	\$483,200	5.01%	\$24,208	\$497,696	4.35%	\$21,650		
991	Penitas	\$1,347,235	4.33%	\$58,335	\$1,387,652	4.11%	\$57,032		
994	Perryton	\$3,982,196	14.71%	\$585,781	\$4,101,662	14.96%	\$613,609		
1000	Pflugerville	\$20,958,252	13.33%	\$2,793,735	\$21,587,000	13.46%	\$2,905,610		
1002	Pharr	\$29,862,376	7.89%	\$2,356,141	\$30,758,247	7.86%	\$2,417,598		
1004	Pilot Point	\$2,467,396	12.09%	\$298,308	\$2,541,418	11.50%	\$292,263		
1005	Pinehurst	\$1,154,520	19.38%	\$223,746	\$1,179,919	19.82%	\$233,860		
1003	Pineland	\$510,822	7.91%	\$40,406	\$526,147	6.24%	\$32,832		
1001	Piney Point Village	\$501,102	6.95%	\$34,827	\$516,135	6.92%	\$35,717		
1006	Pittsburg	\$1,554,569	14.39%	\$223,702	\$1,588,770	13.36%	\$212,260		
1007	Plains	\$382,610	6.57%	\$25,137	\$394,088	4.22%	\$16,631		
1008	Plainview	\$6,437,980	13.07%	\$841,444	\$6,592,492	12.27%	\$808,899		
1010	Plano	\$171,076,692	16.67%	\$28,518,485	\$176,208,993	16.71%	\$29,444,523		
1012	Pleasanton	\$5,146,278	15.79%	\$812,597	\$5,300,666	15.22%	\$806,761		
1013	Point	\$377,881	13.67%	\$51,656	\$386,950	13.12%	\$50,768		
1017	Ponder	\$743,470	6.11%	\$45,426	\$765,774	6.22%	\$47,631		
1014	Port Aransas	\$5,837,617	11.55%	\$674,245	\$6,012,746	11.67%	\$701,687		
11016	Port Arthur	\$36,631,421	13.80%	\$5,055,136	\$37,730,364	13.74%	\$5,184,152		
1018	Port Isabel	\$2,505,921	3.97%	\$99,485	\$2,581,099	3.68%	\$94,984		
1020	Port Lavaca	\$3,842,506	5.81%	\$223,250	\$3,957,781	5.89%	\$233,113		
1022	Port Neches	\$7,091,163	12.67%	\$898,450	\$7,289,716	13.19%	\$961,514		
1019	Portland	\$7,230,625	13.64%	\$986,257	\$7,447,544	13.18%	\$981,586		
1024	Post	\$780,966	15.29%	\$119,410	\$802,052	14.26%	\$114,373		
1026	Poteet	\$962,786	2.18%	\$20,989	\$991,670	2.14%	\$21,222		
1028	Poth	\$430,898	4.47%	\$19,261	\$443,825	4.27%	\$18,951		
1030	Pottsboro	\$938,105	6.72%	\$63,041	\$966,248	6.75%	\$65,222		
1031	Prairie View	\$782,836	5.25%	\$41,099	\$806,321	4.28%	\$34,511		
1032	Premont	\$563,522	0.00%	\$0	\$580,428	0.00%	\$0		
1029	Presidio	\$1,602,522	0.87%	\$13,942	\$1,650,598	0.75%	\$12,379		
1033	Primera	\$568,335	0.06%	\$341	\$585,385	0.00%	\$0		
1034	Princeton	\$4,449,262	10.75%	\$478,296	\$4,582,740	10.75%	\$492,645		
1036	Prosper	\$13,457,675	13.55%	\$1,823,515	\$13,861,405	13.54%	\$1,876,834		

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

1		2019 EXPECTED			7	2020 EXPECTE	2020 EXPECTED			
		<u>c</u>	ONTRIBUTION	<u>NS</u>	<u>c</u>	ONTRIBUTIO	<u>NS</u>			
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED			
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS			
1037	Providence Village	\$495,303	7.50%	\$37,148	\$510,162	7.59%	\$38,721			
1042	Quanah	\$507,798	9.36%	\$47,530	\$517,954	9.08%	\$47,030			
1045	Queen City	\$465,953	1.77%	\$8,247	\$479,932	1.71%	\$8,207			
1044	Quinlan	\$700,294	10.01%	\$70,099	\$721,303	9.96%	\$71,842			
1047	Quintana	\$177,280	2.55%	\$4,521	\$182,598	2.87%	\$5,241			
1046	Quitaque	\$127,670	4.92%	\$6,281	\$131,500	4.60%	\$6,049			
1048	Quitman	\$1,023,960	5.49%	\$56,215	\$1,054,679	5.57%	\$58,746			
1050	Ralls	\$374,270	6.50%	\$24,328	\$381,755	7.75%	\$29,586			
1051	Rancho Viejo	\$576,224	6.91%	\$39,817	\$593,511	6.71%	\$39,825			
1052	Ranger	\$837,363	6.64%	\$55,601	\$862,484	7.89%	\$68,050			
1054	Rankin	\$208,958	1.24%	\$2,591	\$215,227	0.71%	\$1,528			
1055	Ransom Canyon	\$548,566	15.39%	\$84,424	\$565,023	15.74%	\$88,935			
1058	Raymondville	\$2,233,473	1.47%	\$32,832	\$2,300,477	0.98%	\$22,545			
1061	Red Oak	\$6,388,530	7.18%	\$458,696	\$6,580,186	7.10%	\$467,193			
1062	Redwater	\$247,769	3.08%	\$7,631	\$255,202	3.19%	\$8,141			
1064	Refugio	\$1,222,495	0.00%	\$0	\$1,254,280	0.00%	\$0			
1064	Reklaw	\$1,222,495	16.53%	\$0 \$38,787	\$1,254,280	16.76%	\$0 \$40,113			
1065	Reno (Lamar County)	\$590,833	4.17%	\$36,767 \$24,638	\$607,376	4.40%	\$26,725			
1069	Reno (Parker County)	\$682,228	4.17%	\$28,312	\$702,695	4.40%	\$28,881			
1067	Rhome	\$754,255	7.60%	\$57,323	\$776,883	7.12%	\$55,314			
		·								
1068	Rice	\$359,125	1.07%	\$3,843	\$369,899	1.20%	\$4,439			
1070	Richardson	\$76,121,946	14.44%	\$10,992,009	\$78,405,604	14.72%	\$11,541,305			
1073	Richland Hills	\$4,933,927	15.47%	\$763,279	\$5,081,945	15.63%	\$794,308			
1074	Richland Springs	\$23,245	0.00%	\$0	\$23,942	0.00%	\$0			
1076	Richmond	\$9,183,565	14.67%	\$1,347,229	\$9,459,072	14.63%	\$1,383,862			
1077	Richwood	\$1,289,755	11.05%	\$142,518	\$1,328,448	11.09%	\$147,325			
1072	Riesel	\$342,091	5.98%	\$20,457	\$352,354	5.83%	\$20,542			
1075	Rio Grande City	\$5,651,543	7.03%	\$397,303	\$5,821,089	6.83%	\$397,580			
1079	Rio Vista	\$244,580	3.77%	\$9,221	\$251,917	4.33%	\$10,908			
1080	Rising Star	\$267,083	0.00%	\$0	\$275,095	0.06%	\$165			
1082	River Oaks	\$2,552,252	13.76%	\$351,190	\$2,628,820	14.39%	\$378,287			
1084	Roanoke	\$10,452,932	17.45%	\$1,824,037	\$10,766,520	17.34%	\$1,866,915			
1088	Robert Lee	\$127,868	5.40%	\$6,905	\$130,425	5.53%	\$7,213			
1089	Robinson	\$3,592,423	13.85%	\$497,551	\$3,700,196	13.59%	\$502,857			
21090	Robstown	\$5,792,093	6.13%	\$355,055	\$5,965,856	5.79%	\$345,423			
11090	Robstown Utility Systems	\$2,351,207	12.76%	\$300,014	\$2,421,743	12.72%	\$308,046			
1092	Roby	\$72,400	1.81%	\$1,310	\$73,920	3.26%	\$2,410			
1096	Rockdale	\$2,016,401	9.30%	\$187,525	\$2,076,893	8.99%	\$186,713			
1098	Rockport	\$6,521,559	17.45%	\$1,138,012	\$6,717,206	17.87%	\$1,200,365			
1100	Rocksprings	\$237,772	0.52%	\$1,236	\$244,905	1.31%	\$3,208			
1102	Rockwall	\$20,109,941	15.76%	\$3,169,327	\$20,713,239	15.45%	\$3,200,195			
1102	Rogers	\$332,913	8.52%	\$3,169,327	\$342,900	8.68%	\$3,200,195			
1104	Rollingwood	\$980,886	11.20%	\$28,364 \$109,859	\$1,010,313	11.88%	\$120,025			
1105	Roma	\$4,220,698	10.66%	\$449,926	\$4,347,319	10.19%	\$442,992			
1100	Roscoe	\$335,795	2.14%	\$449,926 \$7,186	\$342,511	2.30%	\$442,992 \$7,878			

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

		:	2019 EXPECTE	D	2	2020 EXPECTE	D
		<u>c</u>	CONTRIBUTION	<u>vs</u>	<u>c</u>	ONTRIBUTIO	<u>NS</u>
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED
CITY #	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS
1112	Rosebud	\$414,926	1.90%	\$7,884	\$426,544	1.95%	\$8,318
1114	Rosenberg	\$16,144,953	16.35%	\$2,639,700	\$16,629,302	16.19%	\$2,692,284
1116	Rotan	\$275,474	0.00%	\$0	\$280,983	0.00%	\$0
1118	Round Rock	\$63,993,175	15.33%	\$9,810,154	\$65,912,970	15.35%	\$10,117,641
1119	Rowlett	\$26,513,875	12.82%	\$3,399,079	\$27,309,291	13.05%	\$3,563,862
1120	Royse City	\$4,064,630	15.98%	\$649,528	\$4,186,569	15.35%	\$642,638
1122	Rule	\$76,164	8.88%	\$6,763	\$78,449	2.17%	\$1,702
1123	Runaway Bay	\$673,715	1.78%	\$11,992	\$687,863	1.73%	\$11,900
1124	Runge	\$124,124	18.85%	\$23,397	\$126,979	18.66%	\$23,694
1126	Rusk	\$1,785,661	6.58%	\$117,496	\$1,839,231	6.01%	\$110,538
1128	Sabinal	\$440,992	3.12%	\$13,759	\$454,222	3.24%	\$14,717
1128	Sachse	\$9,646,351	14.79%	\$1,426,695	\$9,935,742	14.64%	\$1,454,593
1131	Saginaw	\$8,829,626	21.33%	\$1,883,359	\$9,094,515	21.67%	\$1,970,781
1131	Saint Jo	\$174,059	5.13%	\$1,883,339	\$179,281	2.54%	\$4,554
1133	Salado	\$527,247	6.25%	\$32,953	\$543,064	5.70%	\$30,955
					·		
1132	San Angelo	\$36,344,302	17.46%	\$6,345,715	\$37,361,942	17.43%	\$6,512,186
21136	San Antonio	\$393,626,053	11.66%	\$45,896,798	\$405,434,835	11.67%	\$47,314,245
11136	San Antonio Water System	\$111,921,856	3.60%	\$4,029,187	\$115,279,512	3.64%	\$4,196,174
1138	San Augustine	\$1,177,051	8.34%	\$98,166	\$1,212,363	8.19%	\$99,293
1140	San Benito	\$5,878,434	5.51%	\$323,902	\$6,054,787	5.27%	\$319,087
1144	San Felipe	\$195,125	4.46%	\$8,703	\$200,979	4.62%	\$9,285
1148	San Juan	\$8,547,406	2.55%	\$217,959	\$8,803,828	2.49%	\$219,215
1150	San Marcos	\$44,185,517	17.34%	\$7,661,769	\$45,511,083	17.29%	\$7,868,866
1152	San Saba	\$1,827,383	8.31%	\$151,856	\$1,882,204	8.46%	\$159,234
1146	Sanger	\$3,868,300	7.91%	\$305,983	\$3,984,349	8.16%	\$325,123
1153	Sansom Park	\$1,315,658	6.15%	\$80,913	\$1,355,128	6.03%	\$81,714
1155	Santa Fe	\$3,223,913	11.62%	\$374,619	\$3,320,630	11.83%	\$392,831
1158	Savoy	\$108,388	0.00%	\$0	\$110,556	0.00%	\$0
1159	Schertz	\$19,180,232	16.04%	\$3,076,509	\$19,755,639	15.80%	\$3,121,391
1160	Schulenburg	\$1,846,985	21.43%	\$395,809	\$1,896,854	21.50%	\$407,824
1161	Seabrook	\$6,629,557	15.57%	\$1,032,222	\$6,828,444	15.88%	\$1,084,357
1161	Seadrift	\$6,629,557	4.09%	\$1,032,222 \$25,516	\$6,828,444	15.88% 3.64%	\$1,084,357 \$23,390
1162	Seagoville	\$5,028,140	4.09% 10.86%	\$25,516 \$546,056	\$5,178,984	3.64% 10.94%	\$23,390 \$566,581
1164	Seagraves	\$688,875	10.02%	\$69,025	\$709,541	10.94%	\$72,515
1167	Sealy	\$3,318,565	14.57%	\$483,515	\$3,418,122	14.86%	\$507,933
	,						
1168	Seguin	\$21,853,013	22.23%	\$4,857,925	\$22,508,603	22.22%	\$5,001,412
1169	Selma	\$5,832,965	14.66%	\$855,113	\$6,007,954	14.64%	\$879,564
1170	Seminole	\$3,017,809	12.89%	\$388,996	\$3,108,343	12.03%	\$373,934
1171	Seven Points	\$601,605	2.60%	\$15,642	\$619,653	1.11%	\$6,878
1172	Seymour	\$1,216,004	7.03%	\$85,485	\$1,242,756	7.20%	\$89,478
1165	Shady Shores	\$111,946	9.26%	\$10,366	\$115,304	9.51%	\$10,965
1177	Shallowater	\$620,350	4.50%	\$27,916	\$638,961	4.56%	\$29,137
1174	Shamrock	\$687,509	7.84%	\$53,901	\$708,134	8.75%	\$61,962
1173	Shavano Park	\$2,969,852	13.49%	\$400,633	\$3,058,948	13.35%	\$408,370
1175	Shenandoah	\$3,547,932	16.93%	\$600,665	\$3,654,370	18.24%	\$666,557

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

			2019 EXPECTE	D	2	2020 EXPECTE	D
		<u>c</u>	ONTRIBUTION	<u>NS</u>	<u>c</u>	ONTRIBUTIO	<u>NS</u>
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS
1181	Shepherd	\$365,029	2.70%	\$9,856	\$375,980	2.59%	\$9,738
1176	Sherman	\$25,352,078	13.92%	\$3,529,009	\$26,087,288	14.34%	\$3,740,917
1178	Shiner	\$1,315,888	7.71%	\$101,455	\$1,355,365	8.00%	\$108,429
1179	Shoreacres	\$660,430	4.68%	\$30,908	\$678,922	4.49%	\$30,484
1180	Silsbee	\$3,166,199	18.49%	\$585,430	\$3,261,185	18.97%	\$618,647
1182	Silverton	\$154,039	4.47%	\$6,886	\$157,120	5.39%	\$8,469
1183	Simonton	\$99,854	2.59%	\$2,586	\$102,850	2.40%	\$2,468
1184	Sinton	\$2,259,581	12.87%	\$290,808	\$2,327,368	12.33%	\$286,964
1185	Skellytown	\$151,951	0.55%	\$836	\$156,510	1.91%	\$2,989
1186	Slaton	\$2,026,981	6.52%	\$132,159	\$2,085,763	6.79%	\$141,623
1188	Smithville	\$2,558,383	6.86%	\$175,505	\$2,635,134	6.94%	\$182,878
1189	Smyer	\$101,112	10.34%	\$10,455	\$104,145	9.68%	\$10,081
1190	Snyder	\$5,149,679	13.67%	\$703,961	\$5,304,169	13.63%	\$722,958
1191	Somerset	\$417,121	2.59%	\$10,803	\$429,635	2.68%	\$11,514
1192	Somerville	\$589,045	5.21%	\$30,689	\$606,716	4.25%	\$25,785
1194	Sonora	\$1,165,575	8.29%	\$96,626	\$1,200,542	8.45%	\$101,446
1196	Sour Lake	\$643,913	5.69%	\$36,639	\$663,230	5.23%	\$34,687
1198	South Houston	\$5,621,154	10.00%	\$562,115	\$5,789,789	9.83%	\$569,136
1199	South Padre Island	\$8,938,902	12.81%	\$1,145,073	\$9,207,069	12.93%	\$1,190,474
1197	Southlake	\$24,354,791	12.35%	\$3,007,817	\$25,085,435	12.45%	\$3,123,137
1200	Southmayd	\$288,420	5.63%	\$16,238	\$297,073	5.17%	\$15,359
1202	Southside Place	\$1,575,750	11.80%	\$185,939	\$1,623,023	11.61%	\$188,433
1204	Spearman	\$1,126,771	11.38%	\$128,227	\$1,160,574	11.38%	\$132,073
1201	Splendora	\$1,109,588	5.19%	\$57,588	\$1,142,876	5.59%	\$63,887
1205	Spring Valley Village	\$2,882,701	6.89%	\$198,618	\$2,969,182	6.91%	\$205,170
1203	Springtown	\$1,681,376	9.14%	\$153,678	\$1,731,817	9.31%	\$161,232
1206	Spur	\$329,502	4.66%	\$15,355	\$338,399	5.17%	\$17,495
1207	Stafford	\$10,591,247	14.44%	\$1,529,376	\$10,908,984	14.13%	\$1,541,439
1208	Stamford	\$958,804	5.26%	\$50,433	\$987,568	4.96%	\$48,983
1210	Stanton	\$1,265,724	7.75%	\$98,094	\$1,303,696	7.66%	\$99,863
1211	Star Harbor	\$163,382	10.48%	\$17,122	\$168,283	10.70%	\$18,006
1212	Stephenville	\$9,090,042	6.36%	\$578,127	\$9,362,743	6.67%	\$624,495
1213	Sterling City	\$268,742	1.20%	\$3,225	\$275,998	1.11%	\$3,064
1214	Stinnett	\$714,969	0.00%	\$0	\$736,418	0.00%	\$0
1216	Stockdale	\$371,401	5.46%	\$20,278	\$382,543	5.53%	\$21,155
1218	Stratford	\$672,439	6.31%	\$42,431	\$692,612	5.17%	\$35,808
1224	Sudan	\$377,936	1.26%	\$4,762	\$386,629	1.51%	\$5,838
1225	Sugar Land	\$54,729,351	14.78%	\$8,088,998	\$56,371,232	14.60%	\$8,230,200
1226	Sulphur Springs	\$8,480,956	7.50%	\$636,072	\$8,735,385	7.77%	\$678,739
1228	Sundown	\$566,291	11.23%	\$63,594	\$583,280	11.75%	\$68,535
1229	Sunnyvale	\$2,435,831	11.63%	\$283,287	\$2,508,906	11.56%	\$290,030
1230	Sunray	\$548,482	18.51%	\$101,524	\$564,936	14.44%	\$81,577
1227	Sunrise Beach Village	\$499,022	1.28%	\$6,387	\$513,993	1.34%	\$6,888
1231	Sunset Valley	\$2,056,982	13.30%	\$273,579	\$2,118,691	13.18%	\$279,243
1233	Surfside Beach	\$836,509	1.36%	\$11,377	\$861,604	1.34%	\$11,545

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

		:	2019 EXPECTE	D	7	2020 EXPECTE	D
		_	ONTRIBUTIO		_	ONTRIBUTIO	
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS
1232	Sweeny	\$1,049,690	17.20%	\$180,547	\$1,081,181	17.11%	\$184,990
1234	Sweetwater	\$5,627,794	17.65%	\$993,306	\$5,796,628	17.73%	\$1,027,742
1264	TMRS	\$12,000,142	15.95%	\$1,914,023	\$12,360,146	15.74%	\$1,945,487
1236	Taft	\$902,778	16.89%	\$152,479	\$929,861	17.88%	\$166,259
1238	Tahoka	\$734,199	1.45%	\$10,646	\$756,225	0.00%	\$0
1240	Talty	\$119,682	8.14%	\$9,742	\$123,272	10.89%	\$13,424
1241	Tatum	\$386,418	1.79%	\$6,917	\$398,011	1.81%	\$7,204
1246	Taylor	\$8,144,815	11.88%	\$967,604	\$8,389,159	11.56%	\$969,787
1248	Teague	\$852,253	9.23%	\$78,663	\$877,821	9.04%	\$79,355
1252	Temple	\$33,685,233	16.43%	\$5,534,484	\$34,695,790	16.91%	\$5,867,058
1254	Tenaha	\$318,968	0.10%	\$319	\$328,537	0.30%	\$986
1256	Terrell	\$10,357,559	15.68%	\$1,624,065	\$10,668,286	15.89%	\$1,695,191
1258	Terrell Hills	\$2,785,506	15.32%	\$426,740	\$2,869,071	15.38%	\$441,263
31263	Tex Municipal League IEBP	\$11,245,339	6.22%	\$699,460	\$11,470,246	5.92%	\$679,039
21263	Tex Municipal League IRP	\$25,893,213	10.39%	\$2,690,305	\$26,670,009	10.51%	\$2,803,018
21260	Texarkana	\$8,886,314	16.03%	\$1,424,476	\$9,108,472	15.56%	\$1,417,278
11260	Texarkana Police Dept	\$6,313,716	15.01%	\$1,424,476	\$6,496,814	14.42%	\$936,841
31260	Texarkana Water Utilities	\$7,266,602	16.07%	\$1,167,743	\$7,484,600	16.12%	\$1,206,518
1262							
11263	Texas City Texas Municipal League	\$23,040,245 \$3,212,410	16.18% 16.04%	\$3,727,912 \$515,271	\$23,731,452 \$3,283,083	16.24% 14.85%	\$3,853,988 \$487,538
	-						
1267	The Colony	\$23,831,125	13.01%	\$3,100,429	\$24,546,059	12.92%	\$3,171,351
1269	Thompsons	\$128,643	4.20%	\$5,403	\$132,502	4.31%	\$5,711
1268	Thorndale	\$244,597	7.58%	\$18,540	\$251,690	8.09%	\$20,362
1272	Thrall	\$182,936	8.36%	\$15,293	\$188,424	7.41%	\$13,962
1274	Three Rivers	\$2,119,120	23.36%	\$495,026	\$2,182,694	22.64%	\$494,162
1276	Throckmorton	\$140,311	4.56%	\$6,398	\$144,520	4.91%	\$7,096
1277	Tiki Island	\$491,165	3.58%	\$17,584	\$505,900	3.76%	\$19,022
1278	Timpson	\$428,082	2.16%	\$9,247	\$440,924	2.01%	\$8,863
1280	Tioga	\$394,106	1.46%	\$5,754	\$405,929	1.46%	\$5,927
1283	Tolar	\$252,261	8.96%	\$22,603	\$259,829	7.74%	\$20,111
1286	Tom Bean	\$285,540	2.42%	\$6,910	\$294,106	2.68%	\$7,882
1284	Tomball	\$11,180,729	13.49%	\$1,508,280	\$11,516,151	13.49%	\$1,553,529
1290	Trent	\$90,095	8.18%	\$7,370	\$92,618	7.88%	\$7,298
1292	Trenton	\$165,114	2.84%	\$4,689	\$170,067	3.42%	\$5,816
1293	Trinidad	\$221,908	3.24%	\$7,190	\$226,568	3.07%	\$6,956
1294	Trinity	\$836,185	6.92%	\$57,864	\$861,271	6.86%	\$59,083
1295	Trophy Club	\$5,197,784	12.95%	\$673,113	\$5,353,718	13.09%	\$700,802
1296	Troup	\$901,896	5.33%	\$48,071	\$928,953	5.36%	\$49,792
1297	Troy	\$682,510	11.83%	\$80,741	\$702,985	11.11%	\$78,102
1298	Tulia	\$1,570,166	10.50%	\$164,867	\$1,617,271	10.69%	\$172,886
1299	Turkey	\$134,016	5.19%	\$6,955	\$138,036	5.18%	\$7,150 \$43,053
1301	Tyler	\$620,862	7.25%	\$45,012	\$637,004	6.90%	\$43,953
1304	Tyler	\$36,941,294	20.89%	\$7,717,036	\$38,049,533	20.99%	\$7,986,597
1305	Universal City	\$7,888,037 \$16,055,250	18.46%	\$1,456,132 \$1,736,045	\$8,124,678	18.57%	\$1,508,753 \$1,650,240
1306	University Park	\$16,955,259	10.18%	\$1,726,045	\$17,463,917	9.45%	\$1,650,340

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

		2	2019 EXPECTE	D	2	2020 EXPECTE	D
		<u>c</u>	ONTRIBUTION	<u>NS</u>	<u>c</u>	ONTRIBUTIO	NS
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS
1308	Uvalde	\$6,834,529	5.93%	\$405,288	\$7,039,565	5.96%	\$419,558
1312	Valley Mills	\$324,165	1.89%	\$6,127	\$333,890	2.32%	\$7,746
1313	Valley View	\$242,927	2.17%	\$5,272	\$250,215	1.83%	\$4,579
1314	Van	\$922,834	7.32%	\$67,551	\$950,519	7.18%	\$68,247
1316	Van Alstyne	\$1,702,132	9.66%	\$164,426	\$1,746,387	9.75%	\$170,273
1318	Van Horn	\$1,134,681	7.85%	\$89,072	\$1,158,509	8.20%	\$94,998
1320	Vega	\$262,122	24.79%	\$64,980	\$269,986	23.29%	\$62,880
1324	Venus	\$1,160,465	10.53%	\$122,197	\$1,195,279	10.54%	\$125,982
1326	Vernon	\$3,945,028	11.98%	\$472,614	\$4,063,379	12.29%	\$499,389
1328	Victoria	\$32,021,745	16.59%	\$5,312,407	\$32,982,397	16.30%	\$5,376,131
1329	Vidor	\$3,503,805	14.24%	\$498,942	\$3,608,919	14.22%	\$513,188
1500	Village Fire Department	\$3,710,413	6.09%	\$225,964	\$3,814,305	6.29%	\$239,920
1327	Village of the Hills	\$92,371	6.18%	\$5,709	\$95,142	6.16%	\$5,861
1330	Waco	\$83,965,529	14.02%	\$11,771,967	\$86,484,495	14.33%	\$12,393,228
1332	Waelder	\$717,585	2.72%	\$19,518	\$739,113	2.75%	\$20,326
1334	Wake Village	\$1,108,020	13.11%	\$145,261	\$1,141,261	12.84%	\$146,538
1336	Waller	\$1,729,108	3.90%	\$67,435	\$1,780,981	3.96%	\$70,527
1337	Wallis	\$631,710	2.64%	\$16,677	\$650,661	2.40%	\$15,616
1338	Walnut Springs	\$91,219	3.53%	\$3,220	\$93,956	3.93%	\$3,692
1340	Waskom	\$775,259	6.73%	\$52,175	\$794,640	6.83%	\$54,274
1341	Watauga	\$9,520,427	13.50%	\$1,285,258	\$9,806,040	14.20%	\$1,392,458
1342	Waxahachie	\$16,116,678	14.96%	\$2,411,055	\$16,600,178	15.36%	\$2,549,787
1344	Weatherford	\$22,511,783	13.25%	\$2,982,811	\$23,187,136	13.37%	\$3,100,120
1345	Webster	\$11,629,335	17.41%	\$2,024,667	\$11,978,215	17.70%	\$2,120,144
1346	Weimar	\$1,314,907	17.22%	\$226,427	\$1,347,780	16.89%	\$227,640
1350	Wellington	\$460,619	4.04%	\$18,609	\$474,438	4.27%	\$20,259
1352	Wells	\$150,750	1.45%	\$2,186	\$153,765	2.96%	\$4,551
1354	Weslaco	\$10,598,318	8.00%	\$847,865	\$10,810,284	8.27%	\$894,010
1356	West	\$828,382	1.56%	\$12,923	\$853,233	1.40%	\$11,945
1358	West Columbia	\$1,667,209	3.26%	\$54,351	\$1,717,225	3.19%	\$54,779
1359	West Lake Hills	\$1,754,054	15.99%	\$280,473	\$1,806,676	16.40%	\$296,295
1361	West Orange	\$1,328,205	20.03%	\$266,039	\$1,368,051	20.02%	\$273,884
1365	West Tawakoni	\$581,447	9.56%	\$55,586	\$593,076	9.06%	\$53,733
1364	West Univ. Place	\$10,027,431	12.84%	\$1,287,522	\$10,328,254	12.89%	\$1,331,312
1363	Westlake	\$3,842,199	11.80%	\$453,379	\$3,957,465	11.77%	\$465,794
1362	Westover Hills	\$1,300,567	2.29%	\$29,783	\$1,339,584	2.35%	\$31,480
1366	Westworth Village	\$2,473,031	11.75%	\$290,581	\$2,547,222	11.74%	\$299,044
1368	Wharton	\$5,675,798	5.88%	\$333,737	\$5,846,072	5.70%	\$333,226
1370	Wheeler	\$288,405	7.69%	\$22,178	\$297,057	7.96%	\$23,646
1372	White Deer	\$218,129	8.08%	\$17,625	\$224,673	9.56%	\$21,479
1377	White Oak	\$2,163,667	14.10%	\$305,077	\$2,228,577	14.40%	\$320,915
1378	White Settlement	\$6,708,853	16.93%	\$1,135,809	\$6,910,119	17.07%	\$1,179,557
1374	Whiteface	\$126,166	1.56%	\$1,968	\$129,951	1.63%	\$2,118
1375	Whitehouse	\$2,048,059	8.99%	\$184,121	\$2,099,260	8.66%	\$181,796
1376	Whitesboro	\$2,020,072	7.22%	\$145,849	\$2,080,674	6.38%	\$132,747

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

			2019 EXPECTE	D	2	2020 EXPECTE	D
		<u>c</u>	ONTRIBUTION	<u>NS</u>	<u>C</u>	ONTRIBUTIO	<u>NS</u>
		EXPECTED	TOTAL	EXPECTED	EXPECTED	TOTAL	EXPECTED
CITY#	CITY NAME	COMPENSATION	RATE*	CONTRIBUTIONS	COMPENSATION	RATE*	CONTRIBUTIONS
1380	Whitewright	\$840,026	2.87%	\$24,109	\$865,227	3.13%	\$27,082
1382	Whitney	\$755,612	4.22%	\$31,887	\$770,724	4.07%	\$31,368
1384	Wichita Falls	\$46,722,157	12.77%	\$5,966,419	\$48,123,822	13.28%	\$6,390,844
1386	Willis	\$2,177,869	9.95%	\$216,698	\$2,243,205	9.46%	\$212,207
1387	Willow Park	\$2,031,170	7.23%	\$146,854	\$2,092,105	7.41%	\$155,025
1388	Wills Point	\$1,149,853	12.40%	\$142,582	\$1,174,000	12.01%	\$140,997
1390	Wilmer	\$2,228,763	4.70%	\$104,752	\$2,286,711	4.48%	\$102,445
1392	Wimberley	\$432,960	7.87%	\$34,074	\$445,949	6.56%	\$29,254
1393	Windcrest	\$3,481,083	7.40%	\$257,600	\$3,585,515	7.27%	\$260,667
1395	Winfield	\$85,036	3.50%	\$2,976	\$87,587	3.81%	\$3,337
1396	Wink	\$406,159	7.44%	\$30,218	\$417,531	7.85%	\$32,776
1398	Winnsboro	\$1,643,863	8.94%	\$146,961	\$1,693,179	9.10%	\$154,079
1399	Winona	\$195,264	0.00%	\$0	\$201,122	1.94%	\$3,902
1400	Winters	\$549,016	9.85%	\$54,078	\$563,290	10.41%	\$58,638
1403	Wolfforth	\$1,399,230	11.10%	\$155,315	\$1,441,207	11.49%	\$165,595
1409	Woodcreek	\$136,713	7.67%	\$10,486	\$140,814	8.03%	\$11,307
1404	Woodsboro	\$491,179	1.05%	\$5,157	\$505,914	0.74%	\$3,744
1406	Woodville	\$1,545,745	17.52%	\$270,815	\$1,592,117	17.39%	\$276,869
1407	Woodway	\$5,174,091	16.46%	\$851,655	\$5,329,314	16.77%	\$893,726
1408	Wortham	\$330,382	5.89%	\$19,459	\$338,972	5.36%	\$18,169
1410	Wylie	\$22,097,588	14.84%	\$3,279,282	\$22,760,516	14.75%	\$3,357,176
1412	Yoakum	\$4,049,505	15.73%	\$636,987	\$4,170,990	16.14%	\$673,198
1414	Yorktown	\$406,855	0.92%	\$3,743	\$419,061	0.85%	\$3,562
1415	Zavalla	\$269,590	0.02%	\$54	\$274,982	0.09%	\$247
	<u> </u>	1					

SECTION 5

SUPPLEMENTAL DEATH RATES

CITY	ACTIVES	ACTIVES &		CITY	ACTIVES	ACTIVES &	
NO. CITY NAME	ONLY	RETIREES	CODE*	NO. CITY NAME	ONLY	RETIREES	CODE
4 Abernathy	0.14 %	0.27 %	3	106 Bellaire	0.16 %	0.21 %	3
6 Abilene	0.15 %	0.25 %	3	109 Bellmead	0.15 %	0.19 %	3
7 Addison	0.13 %	0.16 %	3	110 Bells	0.07 %	0.11 %	
8 Agua Dulce	0.16 %	0.16 %	3	112 Bellville	0.18 %	0.27 %	3
10 Alamo	0.15 %	0.19 %	3	114 Belton	0.13 %	0.17 %	3
12 Alamo Heights	0.16 %	0.22 %	3	118 Benbrook	0.12 %	0.15 %	3
14 Alba	0.21 %	0.21 %	3	121 Berryville	0.26 %	0.44 %	3
16 Albany	0.36 %	0.44 %	3	123 Bertram	0.08 %	0.18 %	ì
17 Aledo	0.11 %	0.17 %	3	124 Big Lake	0.21 %	0.25 %	
18 Alice	0.17 %	0.26 %	1	-	0.13 %	0.22 %	
19 Allen			3	126 Big Sandy		0.22 %	
	0.14 %	0.15 %		128 Big Spring	0.19 %		:
20 Alpine	0.15 %	0.19 %	3	132 Bishop	0.17 %	0.25 %	:
22 Alto	0.10 %	0.22 %	3	134 Blanco	0.14 %	0.18 %	
23 Alton	0.14 %	0.16 %	3	140 Blooming Grove	0.10 %	0.15 %	
24 Alvarado	0.14 %	0.15 %	3	142 Blossom	0.34 %	0.58 %	
26 Alvin	0.12 %	0.16 %	3	143 Blue Mound	0.08 %	0.10 %	
28 Alvord	0.18 %	0.30 %	3	144 Blue Ridge	0.09 %	0.19 %	
30 Amarillo	0.15 %	0.22 %	1	148 Boerne	0.15 %	0.17 %	
32 Amherst	0.14 %	0.21 %	1	150 Bogata	0.13 %	0.16 %	
34 Anahuac	0.10 %	0.15 %	3	152 Bonham	0.16 %	0.21 %	
36 Andrews	0.13 %	0.18 %	1	154 Booker	0.31 %	0.34 %	
38 Angleton	0.19 %	0.23 %	3	156 Borger	0.15 %	0.19 %	
40 Anna	0.12 %	0.13 %	3	158 Bovina	0.09 %	0.19 %	
41 Annetta	0.10 %	0.10 %	3	160 Bowie	0.18 %	0.25 %	
44 Anson	0.17 %	0.22 %	3	162 Boyd	0.09 %	0.14 %	
45 Anthony	0.14 %	0.15 %	3	166 Brady	0.20 %	0.26 %	
48 Aransas Pass	0.17 %	0.21 %	3	170 Brazoria	0.14 %	0.21 %	
50 Archer City	0.29 %	0.34 %	3	172 Breckenridge	0.20 %	0.28 %	
49 Arcola	0.18 %	0.18 %	3	174 Bremond	0.16 %	0.31 %	
51 Argyle	0.20 %	0.22 %	1	176 Brenham	0.13 %	0.19 %	
52 Arlington	0.12 %	0.16 %	3	177 Bridge City	0.22 %	0.28 %	
54 Arp	0.06 %	0.12 %	3	178 Bridgeport	0.15 %	0.20 %	
60 Aspermont	0.14 %	0.20 %	3	180 Bronte	0.21 %	0.24 %	
·			3	182 Brookshire			
62 Athens	0.12 %	0.16 %			0.18 %	0.19 %	
64 Atlanta	0.18 %	0.23 %	3	184 Brownfield	0.20 %	0.25 %	
66 Aubrey	0.14 %	0.15 %	3	186 Brownsboro	0.41 %	0.41 %	
74 Avinger	0.22 %	0.22 %	3	10188 Brownsville	0.13 %	0.18 %	
75 Azle	0.14 %	0.17 %	3	20188 Brownsville PUB	0.16 %	0.21 %	
77 Baird	0.12 %	0.17 %	3	10190 Brownwood	0.14 %	0.22 %	
78 Balch Springs	0.13 %	0.16 %	3	30190 Brownwood Health Dept.	0.11 %	0.19 %	
79 Balcones Heights	0.16 %	0.21 %	3	20190 Brownwood Public Library	0.54 %	0.72 %	
80 Ballinger	0.22 %	0.29 %	3	195 Bruceville-Eddy	0.11 %	0.17 %	
82 Balmorhea	0.08 %	0.08 %	3	192 Bryan	0.14 %	0.18 %	
83 Bandera	0.14 %	0.26 %	3	193 Bryson	0.12 %	0.17 %	
84 Bangs	0.17 %	0.33 %	3	194 Buda	0.16 %	0.17 %	
90 Bartlett	0.25 %	0.33 %	3	196 Buffalo	0.35 %	0.42 %	
91 Bartonville	0.09 %	0.11 %	3	198 Bullard	0.17 %	0.19 %	
92 Bastrop	0.15 %	0.18 %	3	203 Bulverde	0.12 %	0.14 %	
94 Bay City	0.14 %	0.22 %	3	199 Bunker Hill Village	0.16 %	0.20 %	
93 Bayou Vista	0.09 %	0.13 %	3	200 Burkburnett	0.18 %	0.27 %	
96 Baytown	0.12 %	0.15 %	3	202 Burleson	0.12 %	0.14 %	
98 Beaumont	0.16 %	0.23 %	1	204 Burnet	0.12 %	0.16 %	
100 Bedford	0.12 %	0.13 %	1	206 Burton	0.11 %	0.11 %	
101 Bee Cave	0.14 %	0.15 %	3	207 Cactus	0.10 %	0.15 %	
102 Beeville	0.19 %	0.31 %	1	208 Caddo Mills	0.12 %	0.15 %	

CITY	ACTIVES	ACTIVES &		CITY	ACTIVES	ACTIVES &	
NO. CITY NAME	ONLY	RETIREES	CODE*	NO. <u>CITY NAME</u>	<u>ONLY</u>	RETIREES	CODE
210 Caldwell	0.31 %	0.39 %	3	297 Copper Canyon	0.52 %	0.55 %	3
212 Calvert	0.30 %	0.33 %	3	300 Copperas Cove	0.12 %	0.20 %	3
214 Cameron	0.18 %	0.26 %	3	301 Corinth	0.11 %	0.13 %	3
216 Campbell	0.22 %	0.22 %	3	302 Corpus Christi	0.17 %	0.27 %	:
220 Canadian	0.16 %	0.20 %	3	304 Corrigan	0.18 %	0.25 %	3
221 Caney City	0.08 %	0.08 %	3	306 Corsicana	0.15 %	0.23 %	3
222 Canton	0.20 %	0.23 %	3	308 Cotulla	0.27 %	0.32 %	:
224 Canyon	0.17 %	0.20 %	3	310 Crandall	0.14 %	0.17 %	
227 Carmine	0.06 %	0.08 %	3	312 Crane	0.14 %	0.20 %	
228 Carrizo Springs	0.20 %	0.30 %	3	314 Crawford	0.06 %	0.07 %	
230 Carrollton	0.13 %	0.17 %	1	316 Crockett	0.20 %	0.33 %	
232 Carthage	0.20 %	0.28 %	3	318 Crosbyton	0.30 %	0.77 %	
231 Castle Hills	0.11 %	0.17 %	3	320 Cross Plains	0.14 %	0.18 %	
234 Castroville	0.20 %	0.30 %	3	321 Cross Roads	0.07 %	0.08 %	
238 Cedar Hill	0.13 %	0.15 %	3	322 Crowell	0.28 %	0.28 %	
239 Cedar Park	0.11 %	0.12 %	3	323 Crowley	0.12 %	0.14 %	
240 Celeste	0.38 %	0.46 %	3	324 Crystal City	0.19 %	0.30 %	
242 Celina	0.14 %	0.15 %	3	326 Cuero	0.21 %	0.26 %	
244 Center	0.13 %	0.18 %	3	328 Cumby	0.12 %	0.13 %	
246 Centerville	0.27 %	0.29 %	1	332 Daingerfield	0.20 %	0.24 %	
247 Chandler	0.20 %	0.23 %	3	334 Daisetta	0.37 %	0.42 %	
248 Charlotte	0.16 %	0.18 %	3	336 Dalhart	0.15 %	0.20 %	
249 Chester	0.95 %	0.95 %	3	339 Dalworthington Gardens	0.10 %	0.13 %	
245 Chico	0.30 %	0.45 %	3	340 Danbury	0.17 %	0.19 %	
250 Childress	0.21 %	0.31 %	3	341 Darrouzett	0.34 %	0.34 %	
251 Chillicothe	0.20 %	0.20 %	3	344 Dayton	0.12 %	0.16 %	
253 Chireno	0.12 %	0.26 %	3	352 De Leon	0.19 %	0.28 %	
254 Christine	0.02 %	0.09 %	1	10366 DeSoto	0.15 %	0.19 %	
255 Cibolo	0.15 %	0.16 %	3	346 Decatur	0.22 %	0.25 %	
256 Cisco	0.21 %	0.28 %	2	348 Deer Park	0.16 %	0.20 %	
258 Clarendon	0.52 %	0.57 %	3	350 Dekalb	0.16 %	0.20 %	
259 Clarksville	0.17 %	0.23 %	3	354 Del Rio	0.19 %	0.22 %	
260 Clarksville City	0.05 %	0.20 %	3	353 Dell City	0.08 %	0.20 %	
263 Clear Lake Shores	0.13 %	0.14 %	3	356 Denison	0.17 %	0.23 %	
264 Cleburne	0.15 %	0.22 %	3	358 Denton	0.14 %	0.17 %	
266 Cleveland	0.14 %	0.23 %	3	360 Denver City	0.16 %	0.24 %	
268 Clifton	0.25 %	0.38 %	3	362 Deport	0.06 %	0.14 %	
271 Clute	0.12 %	0.16 %	3	370 Devine	0.12 %	0.16 %	
272 Clyde	0.14 %	0.22 %	3	371 Diboll	0.11 %	0.19 %	
274 Coahoma	0.17 %	0.25 %	3	372 Dickens	0.07 %	0.07 %	
276 Cockrell Hill	0.16 %	0.20 %	3	373 Dickinson	0.17 %	0.19 %	
278 Coleman	0.15 %	0.25 %	1	374 Dilley	0.13 %	0.18 %	
280 College Station	0.11 %	0.14 %	1	376 Dimmitt	0.22 %	0.28 %	
281 Colleyville	0.13 %	0.16 %	3	382 Donna	0.16 %	0.18 %	
282 Collinsville	0.20 %	0.25 %	3	379 Double Oak	0.28 %	0.33 %	
283 Colmesneil	0.08 %	0.09 %	3	383 Dripping Springs	0.10 %	0.11 %	
284 Colorado City	0.28 %	0.43 %	3	385 Driscoll	0.27 %	0.29 %	
286 Columbus	0.17 %	0.25 %	3	384 Dublin	0.17 %	0.21 %	
288 Comanche	0.22 %	0.34 %	3	386 Dumas	0.14 %	0.20 %	
289 Combes	0.24 %	0.24 %	3	388 Duncanville	0.14 %	0.18 %	
290 Commerce	0.12 %	0.23 %	3	394 Eagle Lake	0.23 %	0.31 %	
294 Conroe	0.12 %	0.14 %	1	396 Eagle Pass	0.15 %	0.21 %	
295 Converse	0.12 %	0.13 %	3	397 Early	0.10 %	0.14 %	
298 Cooper	0.21 %	0.13 %	3	399 Earth	0.18 %	0.14 %	
299 Coppell	0.13 %	0.15 %	3	393 East Bernard	0.17 %	0.19 %	

CITY	ACTIVES	ACTIVES &		СІТУ	ACTIVES	ACTIVES &	
NO. CITY NAME	<u>ONLY</u>	RETIREES	CODE*	NO. CITY NAME	ONLY	RETIREES	CODE*
401 East Mountain	0.11 %	0.28 %	3	502 Garrison	0.12 %	0.14 %	3
395 East Tawakoni	0.16 %	0.23 %	3	503 Gary	0.20 %	0.24 %	1
398 Eastland	0.23 %	0.31 %	3	504 Gatesville	0.17 %	0.23 %	3
402 Ector	0.40 %	0.40 %	3	505 George West	0.17 %	0.19 %	3
406 Eden	0.19 %	0.34 %	3	506 Georgetown	0.12 %	0.13 %	3
408 Edgewood	0.24 %	0.32 %	3	510 Giddings	0.21 %	0.28 %	3
410 Edinburg	0.12 %	0.15 %	3	512 Gilmer	0.17 %	0.22 %	3
412 Edna	0.21 %	0.29 %	3	514 Gladewater	0.15 %	0.20 %	3
414 El Campo	0.14 %	0.20 %	3	516 Glen Rose	0.16 %	0.27 %	3
416 Eldorado	0.20 %	0.36 %	3	517 Glenn Heights	0.11 %	0.14 %	3
418 Electra	0.17 %	0.29 %	3	518 Godley	0.10 %	0.19 %	3
420 Elgin	0.24 % 0.34 %	0.27 % 0.38 %	3 1	519 Goldsmith 520 Goldthwaite	0.43 % 0.22 %	0.43 % 0.26 %	3
422 Elkhart 427 Elmendorf	0.34 %	0.38 %	3	520 Goldtiwaite 522 Goliad	0.22 %	0.26 %	3
432 Emory	0.09 %	0.11 %	3	524 Gonzales	0.22 %	0.26 %	3
436 Ennis	0.13 %	0.18 %	3	527 Gordon	0.17 %	0.20 %	3
439 Euless	0.14 %	0.17 %	1	530 Gorman	0.44 %	0.44 %	3
440 Eustace	0.14 %	0.24 %	3	532 Graford	0.27 %	0.27 %	3
441 Everman	0.28 %	0.31 %	3	10534 Graham	0.21 %	0.31 %	3
443 Fair Oaks Ranch	0.13 %	0.14 %	3	536 Granbury	0.16 %	0.21 %	3
442 Fairfield	0.19 %	0.27 %	3	540 Grand Prairie	0.13 %	0.17 %	3
445 Fairview	0.16 %	0.17 %	3	542 Grand Saline	0.15 %	0.24 %	3
20444 Falfurrias	0.17 %	0.22 %	3	544 Grandview	0.14 %	0.26 %	1
446 Falls City	0.21 %	0.21 %	3	546 Granger	0.24 %	0.32 %	1
448 Farmers Branch	0.14 %	0.19 %	2	547 Granite Shoals	0.19 %	0.24 %	3
450 Farmersville	0.19 %	0.23 %	3	548 Grapeland	0.11 %	0.35 %	1
451 Farwell	0.14 %	0.16 %	3	550 Grapevine	0.16 %	0.19 %	1
452 Fate	0.10 %	0.11 %	3	552 Greenville	0.19 %	0.25 %	3
454 Fayetteville	0.17 %	0.24 %	1	551 Gregory	0.23 %	0.27 %	3
456 Ferris	0.13 %	0.20 %	3	553 Grey Forest	0.18 %	0.20 %	3
458 Flatonia 460 Florence	0.14 % 0.17 %	0.19 % 0.18 %	3	556 Groesbeck 558 Groom	0.18 % 0.18 %	0.23 % 0.23 %	3 1
20462 Floresville	0.17 %	0.18 %	1	559 Groves	0.16 %	0.23 %	1
463 Flower Mound	0.13 %	0.18 %	3	560 Groveton	0.10 %	0.39 %	3
464 Floydada	0.12 %	0.26 %	3	562 Gruver	0.21 %	0.31 %	1
468 Forest Hill	0.11 %	0.14 %	3	563 Gun Barrel City	0.16 %	0.20 %	3
470 Forney	0.12 %	0.13 %	3	564 Gunter	0.14 %	0.17 %	3
472 Fort Stockton	0.17 %	0.27 %	3	568 Hale Center	0.24 %	0.25 %	3
476 Franklin	0.10 %	0.15 %	1	570 Hallettsville	0.19 %	0.28 %	3
478 Frankston	0.14 %	0.18 %	3	572 Hallsville	0.21 %	0.23 %	3
480 Fredericksburg	0.19 %	0.23 %	3	574 Haltom City	0.14 %	0.19 %	3
482 Freeport	0.13 %	0.17 %	3	576 Hamilton	0.16 %	0.27 %	3
481 Freer	0.29 %	0.37 %	3	578 Hamlin	0.14 %	0.30 %	3
483 Friendswood	0.16 %	0.19 %	3	580 Нарру	0.15 %	0.40 %	3
484 Friona	0.11 %	0.18 %	3	581 Harker Heights	0.13 %	0.15 %	3
486 Frisco	0.12 %	0.13 %	3	10582 Harlingen	0.18 %	0.37 %	3
487 Fritch	0.10 %	0.15 %	3	20582 Harlingen Waterworks Sys	0.16 %	0.26 %	3
488 Frost	0.53 %	0.65 %	1	583 Hart	0.06 %	0.10 %	1
491 Fulshear	0.13 %	0.14 %	3	586 Haskell	0.13 %	0.19 %	3
493 Fulton	0.19 %	0.27 %	3	587 Haslet	0.19 %	0.20 %	3
492 Gainesville	0.12 %	0.19 %	3	588 Hawkins	0.17 %	0.21 %	3
494 Galena Park	0.13 %	0.21 % 0.44 %	3 3	585 Hays 590 Hearne	0.14 % 0.19 %	0.34 %	3
498 Ganado 499 Garden Ridge	0.27 % 0.19 %	0.44 %	3	590 Hearne 591 Heath	0.19 %	0.27 % 0.20 %	3
500 Garland	0.17 %	0.23 %	3	592 Hedley	0.18 %	0.20 %	3

CITY		ACTIVES	ACTIVES &		CITY	ACTIVES	ACTIVES &	
NO.	CITY NAME	ONLY	RETIREES	CODE*	NO. CITY NAME	ONLY	RETIREES	CODE*
595	Hedwig Village	0.22 %	0.25 %	3	670 Johnson City	0.16 %	0.18 %	3
593	Helotes	0.11 %	0.13 %	3	673 Jones Creek	0.13 %	0.21 %	3
594	Hemphill	0.29 %	0.35 %	3	675 Jonestown	0.17 %	0.22 %	3
596	Hempstead	0.23 %	0.25 %	3	677 Josephine	0.09 %	0.09 %	3
598	Henderson	0.11 %	0.16 %	3	671 Joshua	0.09 %	0.10 %	3
600	Henrietta	0.18 %	0.24 %	3	672 Jourdanton	0.24 %	0.33 %	3
602	Hereford	0.18 %	0.24 %	3	674 Junction	0.17 %	0.24 %	3
605	Hewitt	0.10 %	0.12 %	3	676 Justin	0.14 %	0.17 %	1
609	Hickory Creek	0.10 %	0.11 %	3	678 Karnes City	0.14 %	0.16 %	3
606	Hico	0.08 %	0.19 %	3	680 Katy	0.13 %	0.15 %	3
607	Hidalgo	0.17 %	0.19 %	1	682 Kaufman	0.17 %	0.22 %	3
608	Higgins	0.32 %	0.39 %	3	683 Keene	0.11 %	0.17 %	3
610	Highland Park	0.14 %	0.17 %	1	681 Keller	0.11 %	0.13 %	3
	Highland Village	0.13 %	0.15 %	3	685 Kemah	0.15 %	0.18 %	3
	Hill Country Village	0.13 %	0.14 %	3	684 Kemp	0.08 %	0.14 %	1
	Hillsboro	0.17 %	0.21 %	1	686 Kenedy	0.16 %	0.17 %	3
	Hilshire Village	0.20 %	0.24 %	3	688 Kennedale	0.20 %	0.23 %	3
	Hitchcock	0.21 %	0.23 %	3	690 Kerens	0.17 %	0.18 %	3
	Holland	0.46 %	0.54 %	3	692 Kermit	0.19 %	0.26 %	3
	Holliday	0.17 %	0.17 %	1	10694 Kerrville	0.13 %	0.19 %	3
	Hollywood Park	0.17 %	0.20 %	3	20694 Kerrville PUB	0.13 %	0.17 %	
	Hondo	0.17 %	0.20 %	3	10696 Kilgore	0.13 %	0.17 %	
				-	698 Killeen		0.25 %	3
	Honey Grove	0.23 %	0.34 %	3		0.14 %		
	Hooks	0.13 %	0.18 %	3	700 Kingsville	0.14 %	0.20 %	-
	Horizon City	0.12 %	0.12 %	3	701 Kirby	0.10 %	0.12 %	3
	Howe	0.24 %	0.34 %	3	702 Kirbyville	0.24 %	0.38 %	3
	Hubbard	0.25 %	0.26 %	3	704 Knox City	0.40 %	0.45 %	3
	Hudson	0.17 %	0.19 %	3	706 Kosse	0.20 %	0.20 %	3
	Hudson Oaks	0.11 %	0.13 %	3	708 Kountze	0.11 %	0.15 %	3
	Hughes Springs	0.32 %	0.33 %	3	709 Kress	0.04 %	0.77 %	:
	Humble	0.14 %	0.17 %	3	699 Krugerville	0.11 %	0.12 %	3
633	Hunters Creek Village	0.10 %	0.36 %	3	707 Krum	0.13 %	0.14 %	3
634	Huntington	0.17 %	0.21 %	3	710 Kyle	0.11 %	0.12 %	3
636	Huntsville	0.17 %	0.22 %	3	725 La Coste	0.31 %	0.31 %	1
637	Hurst	0.14 %	0.19 %	1	714 La Feria	0.15 %	0.24 %	3
638	Hutchins	0.12 %	0.13 %	3	716 La Grange	0.23 %	0.28 %	3
640	Hutto	0.10 %	0.11 %	3	723 La Grulla	0.11 %	0.19 %	3
641	Huxley	0.19 %	0.26 %	3	732 La Joya	0.21 %	0.25 %	3
642	Idalou	0.06 %	0.06 %	3	721 La Marque	0.11 %	0.16 %	3
643	Ingleside	0.25 %	0.31 %	3	728 La Porte	0.14 %	0.17 %	3
646	Ingram	0.12 %	0.19 %	1	731 La Vernia	0.13 %	0.15 %	3
647	Iowa Colony	0.49 %	0.49 %	3	711 Lacy-Lakeview	0.17 %	0.21 %	3
644	Iowa Park	0.15 %	0.23 %	3	712 Ladonia	0.23 %	0.37 %	:
645	Iraan	0.35 %	0.51 %	3	713 Lago Vista	0.21 %	0.24 %	3
648	Irving	0.14 %	0.18 %	3	705 Laguna Vista	0.17 %	0.17 %	:
650	-	0.23 %	0.26 %	3	717 Lake Dallas	0.13 %	0.18 %	
	Itasca	0.19 %	0.26 %	3	718 Lake Jackson	0.16 %	0.21 %	
	Jacinto City	0.29 %	0.34 %	3	719 Lake Worth	0.12 %	0.15 %	3
	Jacksboro	0.15 %	0.21 %	3	727 Lakeport	0.08 %	0.10 %	
	Jacksonville	0.12 %	0.19 %	3	715 Lakeside	0.31 %	0.34 %	
	Jasper	0.21 %	0.13 %	3	729 Lakeside City	0.19 %	0.27 %	
	Jefferson	0.21 %	0.34 %	3	720 Lakeway	0.14 %	0.27 %	3
				3	720 Lakeway 722 Lamesa			
	Jersey Village	0.15 %	0.19 %			0.20 %	0.30 %	
UOD	Jewett	0.12 %	0.15 %	3	724 Lampasas	0.14 %	0.20 %	

CITY	ACTIVES	ACTIVES &		CITY	ACTIVES	ACTIVES &	
NO. CITY NAME	ONLY	RETIREES	CODE*	NO. <u>CITY NAME</u>	ONLY	RETIREES	CODE
730 Laredo	0.16 %	0.21 %	3	820 Maud	0.15 %	0.18 %	3
733 Lavon	0.16 %	0.17 %	3	822 Maypearl	0.24 %	0.28 %	3
736 League City	0.14 %	0.17 %	3	824 McAllen	0.12 %	0.16 %	:
737 Leander	0.13 %	0.14 %	3	826 McCamey	0.15 %	0.15 %	3
735 Lefors	0.09 %	0.09 %	3	828 McGregor	0.22 %	0.28 %	3
739 Leon Valley	0.14 %	0.20 %	3	830 McKinney	0.12 %	0.13 %	3
738 Leonard	0.12 %	0.17 %	3	832 McLean	0.30 %	0.34 %	:
740 Levelland	0.16 %	0.19 %	3	833 McLendon-Chisholm	0.06 %	0.08 %	
742 Lewisville	0.12 %	0.15 %	1	834 Meadow	0.15 %	0.15 %	
744 Lexington	0.08 %	0.17 %	1	831 Meadowlakes	0.20 %	0.21 %	
746 Liberty	0.17 %	0.20 %	1	835 Meadows Place	0.11 %	0.14 %	
745 Liberty Hill	0.19 %	0.20 %	3	837 Melissa	0.14 %	0.16 %	
748 Lindale	0.17 %	0.19 %	1	1501 Memorial Villages PD	0.12 %	0.18 %	
750 Linden	0.23 %	0.30 %	3	840 Memphis	0.18 %	0.25 %	
755 Lipan	0.27 %	0.27 %	3	842 Menard	0.12 %	0.17 %	
751 Little Elm	0.11 %	0.12 %	3	844 Mercedes	0.14 %	0.19 %	
752 Littlefield	0.15 %	0.26 %	3	846 Meridian	0.12 %	0.13 %	
753 Live Oak	0.16 %	0.19 %	3	848 Merkel	0.10 %	0.15 %	
757 Liverpool	0.20 %	0.20 %	3	852 Mertzon	0.12 %	0.17 %	
754 Livingston	0.18 %	0.23 %	3	854 Mesquite	0.13 %	0.18 %	
756 Llano	0.18 %	0.29 %	3	856 Mexia	0.15 %	0.21 %	
758 Lockhart	0.18 %	0.24 %	3	858 Miami	0.45 %	0.45 %	
760 Lockney	0.32 %	0.32 %	3	860 Midland	0.15 %	0.22 %	
765 Lone Star	0.11 %	0.18 %	3	862 Midlothian	0.12 %	0.14 %	
766 Longview	0.15 %	0.22 %	3	863 Milano	0.64 %	0.64 %	
768 Loraine	0.13 %	0.14 %	3	864 Miles	0.33 %	0.33 %	
769 Lorena	0.18 %	0.20 %	3	865 Milford	0.06 %	0.15 %	
770 Lorenzo	0.11 %	0.12 %	1	868 Mineola	0.12 %	0.17 %	
771 Los Fresnos	0.16 %	0.19 %	3	870 Mineral Wells	0.17 %	0.24 %	
773 Lott	0.08 %	0.10 %	3	874 Mission	0.13 %	0.15 %	
774 Lovelady	0.08 %	0.13 %	3	875 Missouri City	0.11 %	0.14 %	
778 Lubbock	0.14 %	0.21 %	1	876 Monahans	0.20 %	0.25 %	
779 Lucas	0.12 %	0.13 %	3	887 Mont Belvieu	0.11 %	0.13 %	
782 Lufkin	0.16 %	0.22 %	3	877 Montgomery	0.21 %	0.23 %	
784 Luling	0.20 %	0.30 %	3	878 Moody	0.15 %	0.19 %	
785 Lumberton	0.17 %	0.23 %	3	883 Morgan's Point	0.12 %	0.23 %	
786 Lyford	0.18 %	0.20 %	1	882 Morgan's Point Resort	0.11 %	0.17 %	
787 Lytle	0.19 %	0.20 %	3	884 Morton	0.19 %	0.22 %	
790 Madisonville	0.21 %	0.31 %	3	886 Moulton	0.15 %	0.21 %	
791 Magnolia	0.31 %	0.34 %	3	890 Mount Enterprise	0.13 %	0.19 %	
792 Malakoff	0.21 %	0.25 %	3	892 Mt. Pleasant	0.13 %	0.17 %	
796 Manor	0.11 %	0.12 %	3	894 Mt. Vernon	0.16 %	0.26 %	
798 Mansfield	0.14 %	0.16 %	3	896 Muenster	0.30 %	0.40 %	
799 Manvel	0.10 %	0.11 %	3	898 Muleshoe	0.15 %	0.22 %	
800 Marble Falls	0.15 %	0.19 %	3	901 Munday	0.12 %	0.18 %	
802 Marfa	0.26 %	0.35 %	3	903 Murphy	0.14 %	0.16 %	
804 Marion	0.33 %	0.43 %	3	10904 Nacogdoches	0.14 %	0.20 %	
806 Marlin	0.12 %	0.27 %	3	906 Naples	0.24 %	0.31 %	
808 Marquez	0.25 %	0.25 %	3	907 Nash	0.14 %	0.19 %	
810 Marshall	0.14 %	0.24 %	3	905 Nassau Bay	0.14 %	0.18 %	
812 Mart	0.17 %	0.25 %	3	909 Natalia	0.23 %	0.26 %	
813 Martindale	0.18 %	0.19 %	3	908 Navasota	0.15 %	0.22 %	
814 Mason	0.26 %	0.34 %	3	910 Nederland	0.15 %	0.20 %	
816 Matador	0.31 %	0.36 %	3	912 Needville	0.42 %	0.48 %	
818 Mathis	0.16 %	0.25 %	3	914 New Boston	0.17 %	0.23 %	

CITY		ACTIVES	ACTIVES &		CITY	1	ACTIVES	ACTIVES &	
NO. CITY NAME		ONLY	RETIREES	CODE*	<u>NO</u>	. <u>CITY NAME</u>	<u>ONLY</u>	RETIREES	CODE*
10916 New Braunf	fels	0.12 %	0.15 %	3	100	3 Pineland	0.18 %	0.25 %	3
20916 New Braunf	fels Utilities	0.13 %	0.15 %	3	100	1 Piney Point Village	0.19 %	0.23 %	3
915 New Deal		0.22 %	0.24 %	1	100	6 Pittsburg	0.13 %	0.21 %	3
923 New Fairvie	2W	0.03 %	0.13 %	3	100	7 Plains	0.19 %	0.22 %	3
918 New London	n	0.20 %	0.23 %	1	100	8 Plainview	0.16 %	0.24 %	1
919 New Summ	erfield	0.27 %	0.27 %	1	101	0 Plano	0.14 %	0.17 %	1
917 New Waver	·ly	0.32 %	0.37 %	3	101	2 Pleasanton	0.14 %	0.16 %	3
913 Newark		0.10 %	0.11 %	3	101	3 Point	0.05 %	0.07 %	1
920 Newton		0.16 %	0.28 %	3	101	7 Ponder	0.37 %	0.42 %	3
922 Nixon		0.13 %	0.19 %	3	101	4 Port Aransas	0.20 %	0.24 %	3
924 Nocona		0.22 %	0.31 %	3	1101	6 Port Arthur	0.18 %	0.25 %	3
925 Nolanville		0.12 %	0.13 %	3	101	8 Port Isabel	0.12 %	0.17 %	3
928 Normangee	<u>!</u>	0.11 %	0.20 %	3	102	0 Port Lavaca	0.15 %	0.25 %	3
931 North Richla	and Hills	0.12 %	0.15 %	1	102	2 Port Neches	0.13 %	0.17 %	1
930 Northlake		0.09 %	0.10 %	3	101	9 Portland	0.19 %	0.23 %	3
935 O'Donnell		0.14 %	0.20 %	3		4 Post	0.19 %	0.43 %	3
936 Oak Point		0.11 %	0.12 %	3		6 Poteet	0.14 %	0.18 %	3
937 Oak Ridge N	lorth	0.17 %	0.20 %	3		8 Poth	0.23 %	0.34 %	3
942 Odem	· ·	0.24 %	0.36 %	3		0 Pottsboro	0.14 %	0.18 %	3
944 Odessa		0.14 %	0.20 %	3		1 Prairie View	0.20 %	0.20 %	3
945 Oglesby		0.04 %	0.20 %	3		2 Premont	0.20 %	0.30 %	3
949 Old River-W	linfron	0.14 %	0.18 %	1		9 Presidio	0.21 %	0.30 %	3
950 Olmos Park		0.10 %	0.14 %	1		3 Primera	0.12 %	0.13 %	3
951 Olney		0.21 %	0.24 %	3		4 Princeton	0.11 %	0.12 %	3
953 Omaha		0.23 %	0.23 %	3		6 Prosper	0.12 %	0.13 %	1
954 Onalaska		0.10 %	0.15 %	3		7 Providence Village	0.20 %	0.20 %	3
958 Orange		0.17 %	0.23 %	1		2 Quanah	0.15 %	0.31 %	3
960 Orange Gro	ve	0.11 %	0.17 %	3		5 Queen City	0.34 %	0.34 %	3
959 Ore City		0.09 %	0.11 %	3	104	4 Quinlan	0.10 %	0.11 %	3
962 Overton		0.15 %	0.19 %	3	104	7 Quintana	0.17 %	0.17 %	3
961 Ovilla		0.13 %	0.16 %	3	104	6 Quitaque	0.17 %	0.25 %	3
963 Oyster Cree	ek	0.18 %	0.22 %	3	104	8 Quitman	0.15 %	0.23 %	3
964 Paducah		0.09 %	0.29 %	3	105	0 Ralls	0.33 %	0.57 %	3
966 Palacios		0.20 %	0.27 %	3	105	1 Rancho Viejo	0.10 %	0.11 %	3
968 Palestine		0.13 %	0.21 %	3	105	2 Ranger	0.12 %	0.20 %	1
970 Palmer		0.10 %	0.11 %	3	105	4 Rankin	0.06 %	0.22 %	3
969 Palmhurst		0.10 %	0.11 %	3	105	5 Ransom Canyon	0.24 %	0.25 %	3
971 Palmview		0.08 %	0.09 %	3	105	8 Raymondville	0.12 %	0.26 %	3
972 Pampa		0.14 %	0.25 %	3	106	1 Red Oak	0.12 %	0.13 %	3
974 Panhandle		0.24 %	0.27 %	1	106	2 Redwater	0.16 %	0.16 %	3
973 Panorama \	/illage	0.34 %	0.41 %	3		4 Refugio	0.15 %	0.25 %	1
975 Pantego	-	0.12 %	0.16 %	3		5 Reklaw	0.16 %	0.30 %	3
976 Paris		0.16 %	0.25 %	3		6 Reno (Lamar County)	0.09 %	0.10 %	3
977 Parker		0.15 %	0.17 %	3		9 Reno (Parker County)	0.19 %	0.20 %	3
978 Pasadena		0.18 %	0.24 %	3		7 Rhome	0.11 %	0.14 %	3
983 Pearland		0.11 %	0.12 %	3		8 Rice	0.11 %	0.13 %	3
984 Pearsall		0.14 %	0.18 %	3		O Richardson	0.15 %	0.19 %	1
988 Pecos City		0.17 %	0.21 %	3		3 Richland Hills	0.14 %	0.21 %	3
989 Pelican Bay		0.09 %	0.21 %	3		4 Richland Springs	0.08 %	0.21 %	3
•						. •			
991 Penitas		0.08 %	0.09 %	3		6 Richmond	0.14 %	0.17 %	3
994 Perryton		0.21 %	0.27 %	3		7 Richwood	0.11 %	0.14 %	3
1000 Pflugerville		0.12 %	0.14 %	3		2 Riesel	0.14 %	0.18 %	3
1002 Pharr		0.11 %	0.14 %	3		5 Rio Grande City	0.13 %	0.14 %	3
1004 Pilot Point		0.12 %	0.15 %	3		9 Rio Vista	0.08 %	0.11 %	3
1005 Pinehurst		0.16 %	0.25 %	3	108	O Rising Star	0.19 %	0.28 %	3

CITY		ACTIVES	ACTIVES &		CITY	ACTIVES	ACTIVES &	
	CITY NAME	ONLY	RETIREES	CODE*	NO. CITY NAME	ONLY	RETIREES	CODE*
1092	River Oaks	0.16 %	0.28 %	3	1165 Shady Shores	0.07 %	0.07 %	3
	Roanoke	0.10 %	0.28 %	1	1177 Shallowater	0.13 %	0.16 %	3
	Robert Lee	0.04 %	0.13 %	3	1177 Shanowater	0.13 %	0.73 %	3
	Robinson	0.18 %	0.13 %	3	1174 Sharmock 1173 Shavano Park	0.11 %	0.14 %	3
	Robstown	0.10 %	0.13 %	3	1175 Shenandoah	0.11 %	0.14 %	3
	Robstown Utility Systems	0.22 %	0.30 %	3	1181 Shepherd	0.20 %	0.21 %	3
	Roby	0.09 %	0.59 %	3	1176 Sherman	0.14 %	0.21 %	3
	Rockdale	0.31 %	0.37 %	3	1178 Shiner	0.14 %	0.26 %	3
	Rockport	0.20 %	0.26 %	3	1179 Shoreacres	0.24 %	0.30 %	3
	Rocksprings	0.14 %	0.25 %	1	1180 Silsbee	0.14 %	0.23 %	1
	Rockwall	0.14 %	0.15 %	3	1180 Silsbee	0.14 %	0.23 %	3
	Rogers	0.13 %	0.13 %	1	1183 Simonton	0.13 %	0.21 %	3
	Rollingwood	0.25 %	0.22 %	3	1184 Sinton	0.14 %	0.04 %	3
	Roma	0.20 %	0.28 %	3	1185 Skellytown	0.14 %	0.21 %	3
	Roscoe	0.20 %	0.27 %	3	1186 Slaton	0.15 %	0.24 %	3
	Rosebud	0.39 %	0.42 %	3	1186 Slaton 1188 Smithville	0.15 %	0.26 %	3
		0.22 %		3			0.27 %	3
	Rosenberg	0.09 %	0.12 % 0.28 %	3	1189 Smyer 1190 Snyder	0.18 %	0.18 %	3
	Rotan Round Rock			3	1190 Silyder 1191 Somerset	0.17 %		
		0.12 % 0.14 %	0.14 % 0.16 %	1	1191 Somerset 1192 Somerville	0.32 % 0.24 %	0.45 % 0.37 %	3 3
	Rowlett						0.37 %	3
	Royse City	0.15 %	0.17 %	3	1194 Sonora	0.17 %		
1122		0.11 %	0.15 %	3	1196 Sour Lake	0.21 %	0.24 %	3
	Runaway Bay	0.16 %	0.21 %	3	1198 South Houston	0.21 %	0.28 %	3
	Runge	0.43 %	0.54 %	3	1199 South Padre Island	0.12 %	0.16 %	3
	Rusk	0.18 %	0.21 %	3	1197 Southlake	0.12 %	0.13 %	3
	Sabinal	0.32 %	0.42 %	3 3	1200 Southmayd	0.10 %	0.12 %	3
	Sachse	0.11 %	0.13 %		1202 Southside Place	0.14 %	0.22 %	3
	Saginaw	0.16 %	0.19 %	3	1204 Spearman	0.21 %	0.28 %	3
	Saint Jo	0.06 %	0.33 %	3	1201 Splendora	0.17 %	0.18 %	
	Salado	0.18 %	0.22 %	3	1205 Spring Valley Village	0.12 %	0.16 %	3
	San Angelo	0.15 %	0.24 %	1	1203 Springtown	0.13 %	0.17 %	3
	San Antonio	0.15 %	0.21 %	1	1206 Spur	0.19 %	0.21 %	3
	San Antonio Water System	0.17 %	0.22 %	1	1207 Stafford	0.14 %	0.18 %	3
	San Augustine San Benito	0.16 %	0.26 % 0.21 %	3 3	1208 Stamford 1210 Stanton	0.28 % 0.18 %	0.39 % 0.20 %	3 3
		0.14 % 0.17 %	0.21 %	3		0.18 %	0.20 %	3
	San Felipe San Juan	0.17 %	0.20 %	3	1211 Star Harbor	0.20 %	0.42 %	3
	San Marcos	0.13 %	0.17 %	3	1212 Stephenville	0.15 %	0.20 %	1
		0.13 %	0.16 %	3	1213 Sterling City	0.14 %	0.19 %	3
	San Saba			_	1214 Stinnett		0.21 %	-
	Sanger	0.13 %	0.15 %	3	1216 Stockdale	0.36 %		3
	Sansom Park	0.10 %	0.13 %	3	1218 Stratford	0.26 %	0.31 %	3
	Santa Fe	0.16 %	0.21 %	1	1224 Sudan	0.12 %	0.20 %	1
	Savoy	0.13 %	0.25 %	3	1225 Sugar Land	0.15 %	0.16 %	3
	Schertz	0.10 %	0.12 %	3	1226 Sulphur Springs	0.18 %	0.24 %	3
	Schulenburg	0.18 %	0.25 %	3	1228 Sundown	0.13 %	0.21 %	3
	Seabrook	0.13 %	0.16 %	3	1229 Sunnyvale	0.17 %	0.21 %	3
	Seadrift	0.18 %	0.19 %	3	1230 Sunray	0.12 %	0.33 %	3
	Seagoville	0.18 %	0.22 %	3	1227 Sunrise Beach Village	0.09 %	0.14 %	3
	Seagraves	0.29 %	0.46 %	3	1231 Sunset Valley	0.11 %	0.12 %	3
	Sealy	0.16 %	0.18 %	3	1233 Surfside Beach	0.24 %	0.26 %	3
	Seguin	0.13 %	0.19 %	3	1232 Sweeny	0.16 %	0.32 %	3
	Selma	0.10 %	0.11 %	3	1234 Sweetwater	0.18 %	0.24 %	3
	Seminole	0.19 %	0.25 %	3	1264 TMRS	0.17 %	0.19 %	3
	Seven Points	0.13 %	0.20 %	3	1236 Taft	0.17 %	0.31 %	3
1172	Seymour	0.26 %	0.39 %	3	1238 Tahoka	0.22 %	0.29 %	3

CITY	ACTIVES	ACTIVES &		CITY	ACTIVES	ACTIVES &	
NO. CITY NAME	ONLY	RETIREES	CODE*	NO. CITY NAME	ONLY	RETIREES	CODE*
1240 Talty	0.56 %	0.59 %	3	1334 Wake Village	0.11 %	0.23 %	3
1241 Tatum	0.13 %	0.17 %	3	1336 Waller	0.28 %	0.34 %	3
1246 Taylor	0.15 %	0.22 %	3	1337 Wallis	0.17 %	0.19 %	3
1248 Teague	0.11 %	0.24 %	3	1338 Walnut Springs	0.11 %	0.16 %	3
1252 Temple	0.13 %	0.20 %	3	1340 Waskom	0.20 %	0.24 %	3
1254 Tenaha	0.08 %	0.16 %	3	1341 Watauga	0.14 %	0.17 %	3
1256 Terrell	0.15 %	0.21 %	3	1342 Waxahachie	0.16 %	0.19 %	3
1258 Terrell Hills	0.14 %	0.18 %	3	1344 Weatherford	0.13 %	0.17 %	3
31263 Tex Municipal League IEBP	0.20 %	0.21 %	3	1345 Webster	0.18 %	0.21 %	3
21263 Tex Municipal League IRP	0.20 %	0.21 %	3	1346 Weimar	0.15 %	0.25 %	3
21260 Texarkana	0.17 %	0.29 %	1	1350 Wellington	0.28 %	0.51 %	3
11260 Texarkana Police Dept	0.09 %	0.13 %	1	1352 Wells	0.09 %	0.10 %	1
31260 Texarkana Water Utilities	0.16 %	0.24 %	1	1354 Weslaco	0.12 %	0.18 %	3
1262 Texas City	0.15 %	0.23 %	1	1356 West	0.14 %	0.21 %	3
11263 Texas Municipal League	0.14 %	0.19 %	3	1358 West Columbia	0.17 %	0.26 %	1
1267 The Colony	0.12 %	0.14 %	3	1359 West Lake Hills	0.12 %	0.27 %	3
1269 Thompsons	0.23 %	0.23 %	3	1361 West Orange	0.16 %	0.22 %	1
1268 Thorndale	0.26 %	0.34 %	3	1365 West Tawakoni	0.14 %	0.22 %	3
1272 Thrall	0.45 %	0.45 %	3	1364 West Univ. Place	0.14 %	0.18 %	3
1274 Three Rivers	0.30 %	0.34 %	3	1363 Westlake	0.18 %	0.19 %	3
1276 Throckmorton	0.10 %	0.22 %	3	1362 Westover Hills	0.18 %	0.30 %	3
1277 Tiki Island	0.22 %	0.23 %	3	1366 Westworth Village	0.17 %	0.20 %	3
1278 Timpson	0.44 %	0.46 %	3	1368 Wharton	0.20 %	0.23 %	3
1280 Tioga	0.13 %	0.13 %	3	1370 Wheeler	0.09 %	0.14 %	3
1283 Tolar	0.11 %	0.15 %	3	1372 White Deer	0.53 %	0.79 %	3
1286 Tom Bean	0.13 %	0.15 %	3	1377 White Oak	0.18 %	0.24 %	3
1284 Tomball	0.16 %	0.20 %	3	1378 White Settlement	0.12 %	0.16 %	3
1290 Trent	0.42 %	0.53 %	3	1374 Whiteface	0.11 %	0.47 %	3
1292 Trenton	0.26 %	0.34 %	3	1375 Whitehouse	0.12 %	0.17 %	3
1293 Trinidad	0.34 %	0.42 %	3	1376 Whitesboro	0.20 %	0.25 %	3
1294 Trinity	0.26 %	0.30 %	3	1380 Whitewright	0.08 %	0.14 %	3
1295 Trophy Club	0.15 %	0.17 %	3	1382 Whitney	0.16 %	0.19 %	3
1296 Troup	0.22 %	0.31 %	3	1384 Wichita Falls	0.17 %	0.26 %	1
1297 Troy	0.35 %	0.40 %	3	1386 Willis	0.13 %	0.18 %	3
1298 Tulia	0.16 %	0.24 %	3	1387 Willow Park	0.12 %	0.13 %	3
1299 Turkey	0.12 %	0.41 %	3	1388 Wills Point	0.11 %	0.21 %	3
1301 Tye	0.14 %	0.17 %	3	1390 Wilmer	0.10 %	0.11 %	3
1304 Tyler	0.15 %	0.24 %	3	1392 Wimberley	0.14 %	0.17 %	3
1305 Universal City	0.15 %	0.18 %	3	1393 Windcrest	0.18 %	0.21 %	3
1306 University Park	0.18 %	0.22 %	1	1395 Winfield	0.36 %	0.36 %	3
1308 Uvalde	0.13 %	0.18 %	3	1396 Wink	0.26 %	0.28 %	3
1312 Valley Mills	0.19 %	0.19 %	3	1398 Winnsboro	0.19 %	0.25 %	3
1313 Valley View	0.13 %	0.14 %	3	1399 Winona	0.12 %	0.21 %	3
1314 Van	0.18 %	0.25 %	3	1400 Winters	0.14 %	0.34 %	3
1316 Van Alstyne	0.13 %	0.17 %	3	1403 Wolfforth	0.18 %	0.21 %	3
1318 Van Horn	0.16 %	0.20 %	3	1409 Woodcreek	0.66 %	0.71 %	3
1320 Vega	0.12 %	0.18 %	3	1404 Woodsboro	0.16 %	0.17 %	3
1324 Venus	0.10 %	0.13 %	1	1406 Woodville	0.19 %	0.26 %	3
1326 Vernon	0.17 %	0.32 %	3	1407 Woodway	0.13 %	0.16 %	3
1328 Victoria	0.12 %	0.19 %	3	1408 Wortham	0.06 %	0.07 %	3
1329 Vidor	0.17 %	0.24 %	3	1410 Wylie	0.10 %	0.11 %	3
1500 Village Fire Department	0.11 %	0.14 %	3	1412 Yoakum	0.21 %	0.28 %	3
1327 Village of the Hills	0.06 %	0.06 %	3	1414 Yorktown	0.20 %	0.60 %	3
1330 Waco	0.15 %	0.22 %	1	1415 Zavalla	0.12 %	0.13 %	1
1332 Waelder	0.16 %	0.25 %	3	-	- /-		_



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, 2010 to December 31, 2014. They were adopted in 2015 and first used in the December 31, 2015 actuarial valuation. The post-retirement mortality assumption for healthy annuitants and Annuity Purchase Rate (APRs) are based on the Mortality Experience Investigation Study covering 2009 through 2011 and dated December 31, 2013. In conjunction with these changes first used in the December 31, 2013 valuation, the System adopted the Entry Age Normal actuarial cost method and a one-time change to the amortization policy. 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) calculating the Annuity Purchase Rates (APRs) used in determining the amount of the monthly benefit at future dates of retirement or disability, and (4) calculating the actuarial liability of the system-wide Supplemental Disability Benefits Fund.



C. Overall Payroll Growth – 3.00% per year, which is used to calculate the contribution rates for the retirement plan of each participating city as a level percentage of payroll. This represents the expected increase in total payroll. This increase rate is solely due to the effect of wage inflation on salaries, with no allowance for future membership growth. However, for cities with a decrease in the number of contributing members from 2005 to 2014, 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.

Years of	
<u>Service</u>	<u>Rate (%)</u>
1	10.50%
2	7.50%
3	7.00%
4	6.50%
5	6.00%
6	5.50%
7	5.25%
8-10	4.75%
11	4.50%
12-13	4.25%
14-16	4.00%
17-24	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.



II. Demographic Assumptions

A. Termination Rates

For the first 10 years of service, the base table rates vary by gender, entry age, and length of service. For each city the base table is then multiplied by 75% to 125%. A further multiplier is applied depending on an employee's classification: 1) Fire – 63%, 2) Police – 88%, or 3) Other – 108%. A sample of the base rates follows:

Males

		Service								
Age	0	1	2	3	4	5	6	7	8	9
20	0.2920	0.2623	0.2186	0.1932	0.1850	0.1673	0.1529	0.1243	0.1022	0.0816
25	0.2653	0.2269	0.1812	0.1554	0.1429	0.1267	0.1148	0.1006	0.0926	0.0757
30	0.2451	0.2052	0.1610	0.1322	0.1079	0.0998	0.0896	0.0774	0.0744	0.0621
35	0.2505	0.2070	0.1577	0.1265	0.1050	0.0994	0.0848	0.0719	0.0621	0.0567
40	0.2467	0.2060	0.1561	0.1213	0.1046	0.0943	0.0805	0.0710	0.0601	0.0577
45	0.2268	0.1934	0.1556	0.1220	0.1053	0.0926	0.0813	0.0711	0.0605	0.0575
50	0.2078	0.1731	0.1412	0.1149	0.1016	0.0887	0.0807	0.0716	0.0604	0.0578
55	0.2003	0.1668	0.1265	0.1074	0.0861	0.0864	0.0771	0.0682	0.0609	0.0560
60	0.1999	0.1542	0.1231	0.1060	0.0790	0.0868	0.0753	0.0683	0.0571	0.0549
65	0.2000	0.1463	0.1238	0.1063	0.0803	0.0867	0.0757	0.0700	0.0547	0.0551
70	0.2000	0.1477	0.1237	0.1063	0.0802	0.0867	0.0756	0.0697	0.0551	0.0551

Females

	Service									
Age	0	1	2	3	4	5	6	7	8	9
20	0.3030	0.2790	0.2221	0.2098	0.1997	0.2021	0.1536	0.1539	0.1564	0.1574
25	0.2782	0.2409	0.2067	0.1962	0.1710	0.1663	0.1369	0.1352	0.1186	0.1125
30	0.2574	0.2188	0.1949	0.1762	0.1347	0.1348	0.1276	0.1126	0.0973	0.0804
35	0.2424	0.2118	0.1805	0.1438	0.1273	0.1238	0.1112	0.1085	0.1000	0.0769
40	0.2244	0.1993	0.1614	0.1342	0.1295	0.1097	0.1023	0.0924	0.0834	0.0733
45	0.2191	0.1853	0.1427	0.1337	0.1054	0.1017	0.0894	0.0784	0.0705	0.0725
50	0.2201	0.1793	0.1347	0.1229	0.0886	0.0881	0.0823	0.0723	0.0675	0.0617
55	0.2200	0.1738	0.1350	0.1199	0.0834	0.0806	0.0713	0.0705	0.0685	0.0551
60	0.2200	0.1523	0.1350	0.1172	0.0798	0.0843	0.0645	0.0639	0.0429	0.0379
65	0.2200	0.1431	0.1350	0.1150	0.0800	0.0857	0.0667	0.0593	0.0276	0.0280
70	0.2200	0.1447	0.1350	0.1154	0.0800	0.0854	0.0664	0.0601	0.0303	0.0298



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 – 52%, 2) Police – 79%, or 3) Other – 115%. A sample of the base rates follows:

Years from		
Retirement	Male	Female
1	1.72%	2.20%
2	2.29%	2.97%
3	2.71%	3.54%
4	3.06%	4.01%
5	3.35%	4.41%
6	3.61%	4.77%
7	3.85%	5.10%
8	4.07%	5.40%
9	4.28%	5.68%
10	4.47%	5.94%
11	4.65%	6.19%
12	4.82%	6.43%
13	4.98%	6.66%
14	5.14%	6.87%
15	5.29%	7.08%

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.

	Percent of Terminating		
	Employees Choosing to		
Age	Take a Refund		
25	41.2%		
30	41.2%		
35	41.2%		
40	38.0%		
45	32.6%		
50	27.1%		
55	21.7%		

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 RP2000 Combined Healthy Mortality Tables with Blue Collar Adjustment are used with male rates multiplied by 109% and female rates multiplied by 103%. The rates are projected on a fully generational basis by scale BB to account for future mortality improvements.

D. Disabled Annuitant Mortality Rates

For calculating the actuarial liability and the retirement contribution rates, the Gender-distinct RP2000 Combined Healthy Mortality Tables with Blue Collar Adjustment are used with male rates multiplied by 109% and female rates multiplied by 103% with a 3 year set-forward for both males and females. In addition, a 3% minimum mortality rate will be applied to reflect the impairment for younger members who become disabled. The rates are projected on a fully generational basis by scale BB to account for future mortality improvements subject to the 3% floor.

E. Pre-Retirement Mortality

For calculating the actuarial liability and the retirement contribution rates, the Gender-distinct RP2000 Combined Healthy Mortality Tables with Blue Collar Adjustment are used with male rates multiplied by 54.5% and female rates multiplied by 51.5%. The rates are projected on a fully generational basis by scale BB 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) for 2014 are based on the UP-1984 Table with an age setback of two years for retirees and an age setback of eight years for beneficiaries. Beginning in 2027 the APRs will be based on a unisex blend of the RP-2000 Combined Healthy Mortality Tables with Blue Collar Adjustment for males and females with both male and female rates multiplied by 107.5% and projected on a fully generational basis with scale BB. For members, a unisex blend of 70% of the males table and 30% of the female table is used, while 30% of the male table and 70% of the female table is used for beneficiaries. From 2015 through 2026, the fully generational APRs will be phased into.



G. Disability Rates

Age	Males &
	Females
20	0.000004
25	0.000025
30	0.000099
35	0.000259
40	0.000494
45	0.000804
50	0.001188
55	0.001647
60	0.002180
65	0.002787

H. Service Retirement Rates, applied to both Active and Inactive Members
The base table rates vary by gender, entry age group, and age. For members under
age 62, these base 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.

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

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



Plan Design Factors Applied to Base Retirement Rates

	Employee Contribution Rate						
Employer Match	5%	6%	7%				
1 - 1	0.75	0.80	0.84				
1½ - 1	0.81	0.86	0.92				
2 - 1	0.86	0.93	1.00				

Recurring COLA: 100% No Recurring COLA: 90%

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 15% corridor around the market value of assets, if necessary. For the purpose of determining the UAAL and annual required contribution associated with the Supplemental Death Trust, assets are valued at the Fund Value.
- B. Actuarial Cost Method: The actuarial cost method being used is known as the Entry Age Normal Actuarial Cost Method. The Entry Age Normal Actuarial Cost Method develops the annual cost of the Plan in two parts: that attributable to benefits accruing in the current year, known as the normal cost, and that due to service earned prior to the current year, known as the amortization of the unfunded actuarial accrued liability. The normal cost and the actuarial accrued liability are calculated individually for each member. The normal cost rate for an employee is the contribution rate which, if applied to a member's compensation throughout their period of anticipated covered service with the municipality, would be sufficient to meet all benefits payable on their behalf. The normal cost is calculated using an entry age based on benefit service with the current city. If a member has additional time-only vesting service through service with other TMRS cities or other public agencies, they retain this for determination of benefit eligibility and decrement rates. The salaryweighted average of these rates is the total normal cost rate. The unfunded actuarial accrued liability reflects the difference between the portion of projected benefits attributable to service credited prior to the valuation date and assets already accumulated. The unfunded actuarial accrued liability is paid off in accordance with a specified amortization procedure outlined in C below.



C. Amortization Policy: For "underfunded" cities with twenty or more employees, the amortization as of the valuation date is a level percentage of payroll over a closed period using the process of "laddering". Bases that existed prior to this valuation continue to be amortized on their original schedule. Beginning January 1, 2016, all new experience losses are amortized over individual periods of not more than 25 years. Previously, some cities amortized their losses over a 30 year period. 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 non ad hoc bases are erased and the surplus for overfunded cities is amortized over a 25 year open period.

Ad hoc benefit enhancements are amortized over individual periods using a level dollar policy. The period will be based on the minimum of 15 years or the current life expectancy of the covered group.

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

For the purpose of determining the annual required contribution associated with the Supplemental Death Trust, the amortization of the UAAL is done using a 25 year open period.

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



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

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

E. Supplemental Death Benefit – 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. Due the significant reserve in the Supplemental Death Trust, the SDB rate for retiree coverage is currently only one-third of the total term cost.

IV. Other Assumptions

- 1. Valuation payroll (used for determining the amortization contribution rate): An exponential average of the actual salaries paid 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: Healthy members are assumed to choose a life only benefit when they retire. Disabled members are assumed to select a 50% Joint and Survivor option when they retire.
- 7. Percent electing annuity on death (when eligible): For vested members not eligible for retirement, 75% of the spouses of male members and 70% of the spouses of female members are assumed to commence an immediate benefit in lieu of a deferred annuity or a refund. Those not electing an immediate benefit are assumed to take a refund. All of the spouses of married participants who die after becoming eligible for a retirement benefit are assumed to elect an annuity that commences immediately.
- 8. Partial Lump Sum Utilization: It is assumed that each member at retirement will withdraw 40% of their eligible account balance.
- 9. Inactive Population: All non-vested members of a city are assumed to take an immediate refund if they are not contributing members in another city. Vested members not contributing in another city are assumed to take a deferred retirement benefit, except for those who have terminated in the past 12 months for whom one year of forfeiture probability is assumed. The forfeiture rates for inactive members of a city who are contributing members in another city are equal to the probability of termination multiplied by the forfeiture rates shown in II(A) and II(B) respectively. These rates are applied each year until retirement eligibility. Once a member is retirement eligible, they are assumed to commence benefits based on the service retirement rates shown in II(H).
- 10. There will be no recoveries once disabled.
- 11. No surviving spouse will remarry and there will be no children's benefit.
- 12. Decrement timing: Decrements of all types are assumed to occur mid-year.
- 13. Eligibility testing: Eligibility for benefits is determined based upon the age nearest birthday and service nearest whole year on the date the decrement is assumed to occur.
- 14. Decrement relativity: Decrement rates are used directly from the experience study, without adjustment for multiple decrement table effects.
- 15. Incidence of Contributions: Contributions are assumed to be received continuously throughout the year based upon the computed percent of payroll shown in this report, and the actual payroll payable at the time contributions are made.
- 16. Benefit Service: All members are assumed to accrue 1 year of eligibility service each year.
- 17. The decrement rates for service related decrements are based on total TMRS eligibility service.



V. Participant Data

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

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

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

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

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



SECTION 7

SUMMARY OF BENEFIT PROVISIONS

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.



Texas Municipal Retirement System

Summary of Benefit Provision Changes Reflected in 12/31/2018 Valuation

CITY	Changes
Athens	Decreased repeating COLA from 70% to 30%.
Balcones Heights	Rescinded 70% repeating COLA.
Bartlett	Adopted restricted prior service credit. *
Belton	1) Decreased repeating USC from 100% to 50%.
	2) Increased employee contribution rate from 5% to 6%.
	3) Increased statutory max to 12.50% due to plan changes.
Blanco	1) Increased employee contribution rate from 5% to 7%.
	2) Increased municipal matching ratio from 1 - 1 to 2 - 1.
	3) Increased statutory max to 13.50% due to plan changes.
Brenham	Granted 70% ad hoc COLA.
Brookshire	1) Adopted 20 yr, any age retirement eligibility.
	2) Increased employee contribution rate from 5% to 6%.
	3) Increased statutory max to 12.50% due to plan changes.
Corpus Christi	1) Adopted 100% repeating USC.
	2) Adopted 70% repeating COLA.
	3) Increased employee contribution rate from 6% to 7%.
Dickinson	Adopted 5 year vesting.
Dilley	1) Increased employee contribution rate from 5% to 6%.
J.mey	2) Increased statutory max to 12.50% due to plan changes.
Donna	1) Adopted 20 yr, any age retirement eligibility.
2011114	2) Increased employee contribution rate from 6% to 7%.
	3) Increased statutory max to 13.50% due to plan changes.
Double Oak	Increased employee contribution rate from 5% to 6%.
Emory	1) Increased employee contribution rate from 5% to 7%.
Linory	2) Increased statutory max to 13.50% due to plan changes.
Fredericksburg	1) Increased repeating USC from 50% to 100%.
redeficksburg	2) Removed statutory max.
Gainesville	Increased employee contribution rate from 5% to 6%.
Gladewater	1) Increased municipal matching ratio from 1 - 1 to 2 - 1.
Gladewater	2) Increased statutory max to 11.50% due to plan changes.
Glenn Heights	1) Adopted 20 yr, any age retirement eligibility.
dienin neights	2) Increased municipal matching ratio from 1 - 1 to 2 - 1.
	3) Rescinded 100% repeating USC.
	4) Rescinded 70% repeating COLA.
Goliad	Increased employee contribution rate from 5% to 7%.
Grand Prairie	Adopted 20 yr, any age retirement eligibility.
Grand Saline	1) Increased municipal matching ratio from 1 - 1 to 1.5 - 1.
Grand Samile	2) Increased statutory max to 11.50% due to plan changes.
Grandview	Adopted restricted prior service credit. *
Harlingen Waterworks Sys	Discontinued Participation in TMRS for employees hired or rehired on or after October 1, 2018.
Helotes	Granted 100% ad hoc USC.
Henderson	Adopted 20 yr, any age retirement eligibility.
Hico	1) Increased employee contribution rate from 5% to 7%.
THEO	2) Increased statutory max to 13.50% due to plan changes.
Hurst	Granted 30% ad hoc COLA.
Karnes City	Increased municipal matching ratio from 1 - 1 to 1.5 - 1.
Kaufman	Adopted 50% repeating COLA.
Killeen	1) Granted 100% ad hoc USC with transfer.
Kinceri	2) Granted 70% ad hoc COLA.
Krum	1) Increased employee contribution rate from 6% to 7%.
Mulli	2) Increased statutory max to 13.50% due to plan changes.
Lake Worth	Increased employee contribution rate from 6% to 7%.
	Increased employee contribution rate from 5% to 7%.
Lavon Leon Valley	
•	Increased employee contribution rate from 6% to 7%.
Levelland	Adopted buy-back provision. *
Liberty	Adopted restricted prior service credit. *
Lorena	1) Increased municipal matching ratio from 1.5 - 1 to 2 - 1.
	2) Increased statutory max to 12.50% due to plan changes.

^{*} Reflects possible rate impact. No change to current rate.

Texas Municipal Retirement System

Summary of Benefit Provision Changes Reflected in 12/31/2018 Valuation

СІТҮ	Changes	
Los Fresnos	1) Increased repeating USC from 10% to 50%.	
	2) Added transfer provision to repeating USC.	
	3) Adopted 30% repeating COLA.	
Malakoff	Adopted 20 yr, any age retirement eligibility.	
Manor	1) Granted 100% ad hoc USC.	
	2) Increased employee contribution rate from 5% to 7%.	
Marble Falls	Adopted 75% repeating USC with transfer.	
Meadows Place	1) Granted 100% ad hoc USC.	
	2) Granted 70% ad hoc COLA.	
Mesquite	Adopted 100% repeating USC with transfer.	
Missouri City	1) Granted 100% ad hoc USC with transfer.	
	2) Granted 70% ad hoc COLA.	
Mount Enterprise	Adopted restricted prior service credit. *	
Mt. Vernon	Adopted restricted prior service credit. *	
New Waverly	Adopted 20 yr, any age retirement eligibility.	
Orange Grove	1) Increased employee contribution rate from 5% to 6%.	
	2) Increased municipal matching ratio from 1.5 - 1 to 2 - 1.	
	3) Increased statutory max to 12.50% due to plan changes.	
Overton	1) Adopted 20 yr, any age retirement eligibility.	
	2) Increased employee contribution rate from 5% to 6%.	
	3) Increased statutory max to 12.50% due to plan changes.	
Palmer	1) Increased employee contribution rate from 5% to 7%.	
	2) Increased statutory max to 13.50% due to plan changes.	
Palmview	1) Adopted buy-back provision. *	
	2) Adopted restricted prior service credit. *	
Parker	Adopted restricted prior service credit. *	
Pearsall	1) Increased employee contribution rate from 5% to 6%.	
	2) Increased statutory max to 8.50% due to plan changes.	
Pilot Point	1) Increased employee contribution rate from 5% to 6%.	
	2) Increased statutory max to 12.50% due to plan changes.	
Port Neches	Granted 30% ad hoc COLA.	
Post	1) Adopted 5 year vesting.	
	2) Increased employee contribution rate from 5% to 7%.	
Poteet	Adopted restricted prior service credit. *	
Ransom Canyon	Adopted restricted prior service credit. *	
Red Oak	1) Increased employee contribution rate from 6% to 7%.	
	2) Increased statutory max to 13.50% due to plan changes.	
Reno (Parker County)	Increased employee contribution rate from 5% to 7%.	
Richardson	Adopted buy-back provision. *	
Rocksprings	Adopted restricted prior service credit. *	
Rollingwood	1) Adopted 20 yr, any age retirement eligibility.	
	2) Increased employee contribution rate from 6% to 7%.	
	3) Increased statutory max to 13.50% due to plan changes.	
Rosenberg	Increased employee contribution rate from 6% to 7%.	
Saginaw	Increased employee contribution rate from 6% to 7%.	
San Antonio	Granted 70% ad hoc COLA.	
Seguin	Adopted 70% repeating COLA.	
Shallowater	1) Adopted 20 yr, any age retirement eligibility.	
	2) Increased employee contribution rate from 5% to 6%.	
	3) Increased statutory max to 10.50% due to plan changes.	
Stockdale	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	Adopted 20 yr, any age retirement eligibility.	
Tahoka	Granted 100% ad hoc USC.	
Terrell Hills	Increased employee contribution rate from 6% to 7%.	
Tex Municipal League IEBP	Granted 100% ad hoc USC.	

 $[\]ensuremath{^{*}}$ Reflects possible rate impact. No change to current rate.

Texas Municipal Retirement System

Summary of Benefit Provision Changes Reflected in 12/31/2018 Valuation

CITY	Changes
University Park	1) Granted 100% ad hoc USC with transfer.
	2) Granted 70% ad hoc COLA.
Van Alstyne	Adopted restricted prior service credit. *
Weslaco	1) Granted 50% ad hoc USC with transfer.
	2) Granted 30% ad hoc COLA.
Westover Hills	1) Increased employee contribution rate from 5% to 7%.
	2) Increased statutory max to 9.50% due to plan changes.
Willow Park	Adopted restricted prior service credit. *

^{*} Reflects possible rate impact. No change to current rate.

SECTION 8

RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY
AND ACTUARIALLY DETERMINED CONTRIBUTION

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;
- 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 10.65% (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 10.65% (approximately 9.00% per year)

	Projected Investment Return								
	4.5	0%	6.7	5%	9.00%				
December 31,	Funded Ratio ADC		Funded Ratio ADC Funded Ratio ADC		Funded Ratio	ADC			
2018	87.0%	13.58%	87.0%	13.58%	87.0%	13.58%			
2019	87.1%	13.79%	87.3%	13.74%	87.5%	13.68%			
2020	87.1%	14.05%	87.6%	13.89%	88.2%	13.72%			
2021	87.1%	14.36%	88.0%	14.03%	89.0%	13.69%			
2022	86.9%	14.70%	88.5%	14.15%	90.1%	13.58%			
2023	86.7%	15.07%	88.9%	14.27%	91.3%	13.40%			

In the middle scenario, which assumes the actual returns on a market basis meet the 6.75% assumed return, the increases over the period are due to recognizing the currently deferred investment losses from calendar year 2018. However, the funding policy (closed amortization strategy) 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

	2018	2017
Ratio of the market value of assets to total payroll	4.2	4.6
Ratio of actuarial accrued liability to payroll	5.2	5.1
Ratio of actives to retirees and beneficiaries	1.7	1.8
Net cash flow as a percentage of market value of assets	-0.3%	-0.2%
Duration of the actuarial accrued liability	18.0	18.1
Average Change in Contribution Rate with 10% decline in assets (smoothed)	0.27%	0.27%
Average Change in Contribution Rate with 10% decline in assets (unsmoothed)	2.70%	2.66%

<u>RATIO OF MARKET VALUE OF ASSETS TO PAYROLL:</u> 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 plan sponsor 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 plan sponsor 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 supermature plan or a need for additional contributions.

<u>DURATION OF LIABILITIES:</u> 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%. This also is an approximation of the discount-weighted average time horizon of the liability.

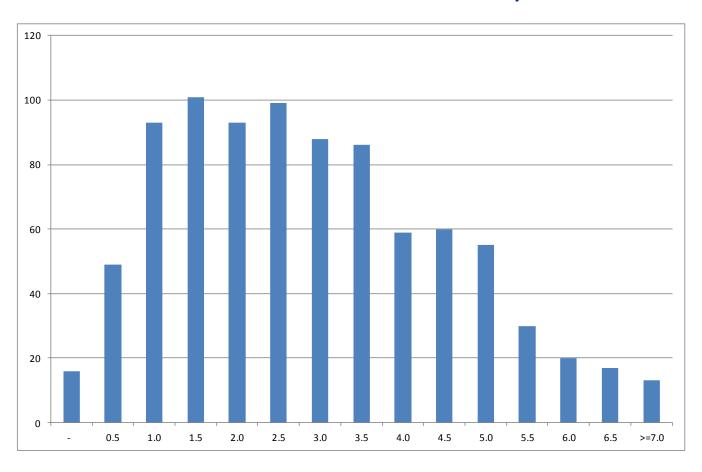
<u>CHANGE IN CONTRIBUTION RATE WITH 10% DECLINE IN ASSETS (SMOOTHED):</u> This shows the rate impact in one year if the actuarial value of assets (AVA) was 10% lower than in the current actuarial valuation with the asset loss smoothed over a 10 year period as is done in the system-wide calculation of the AVA.

<u>CHANGE IN CONTRIBUTION RATE WITH 10% DECLINE IN ASSETS (UNSMOOTHED):</u> 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.



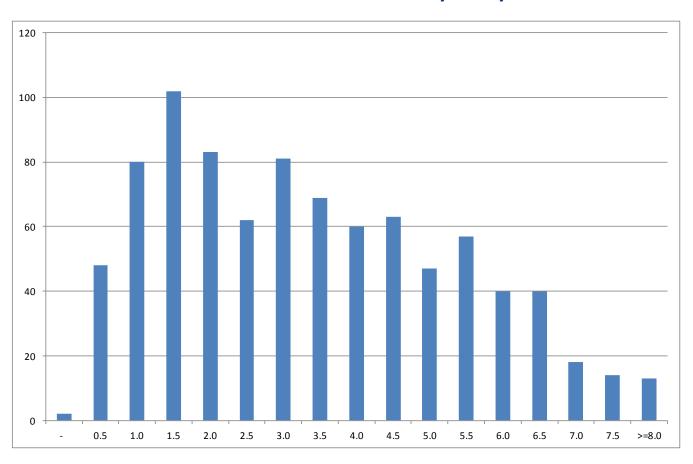
Distribution of Measures

Ratio of the Market Value of Assets to Total Payroll



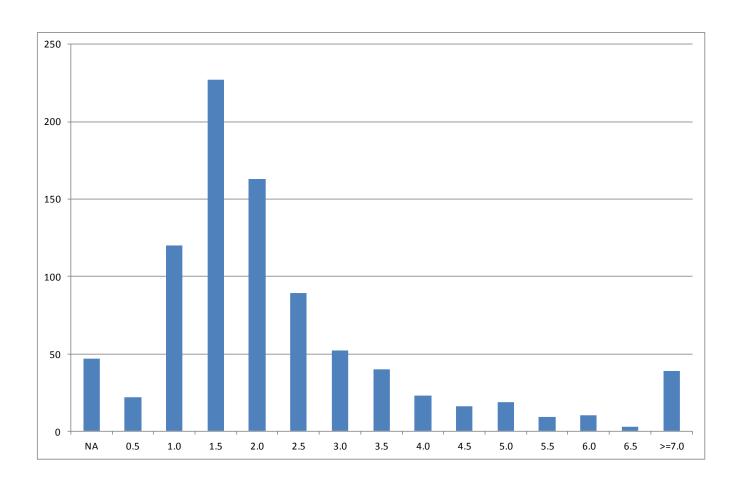


Distribution of Measures Ratio of Actuarial Accrued Liability to Payroll



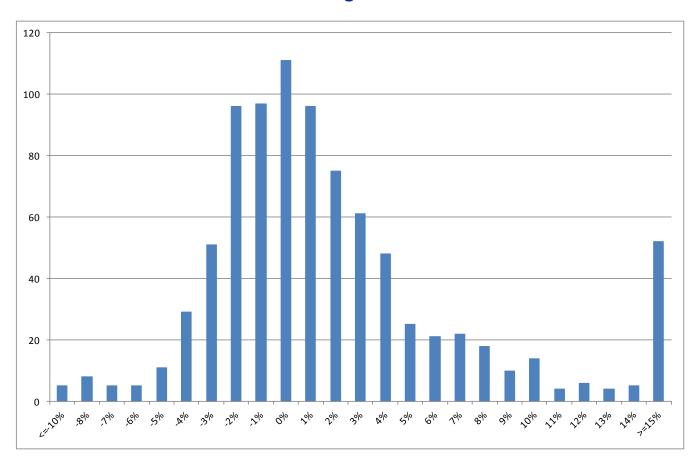


Distribution of Measures Active to Retiree Ratio





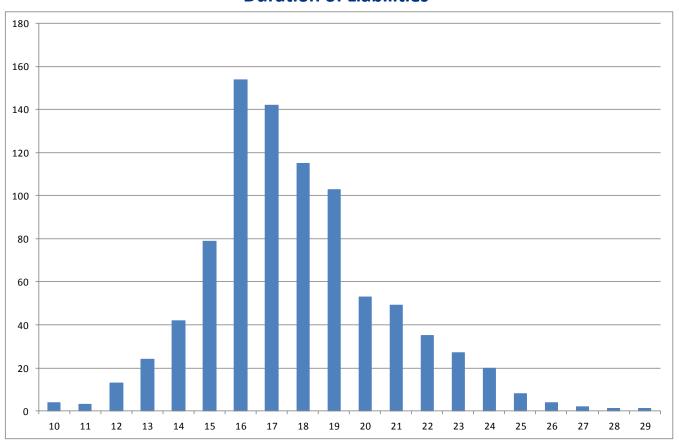
Distribution of Changes Net Cash Flow as a Percentage of Market Value of Assets





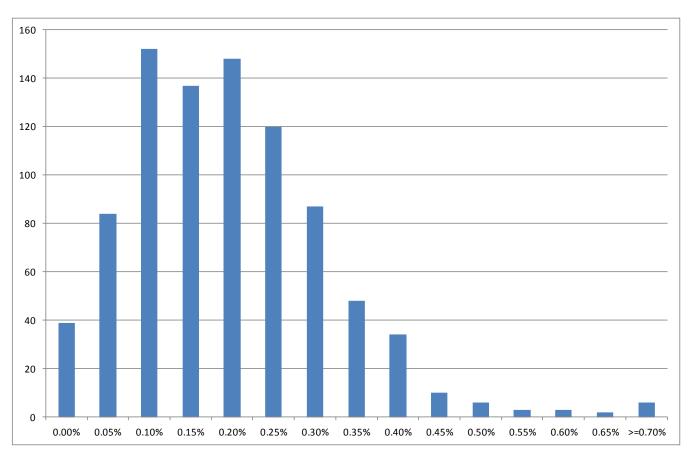
Distribution of Measures

Duration of Liabilities



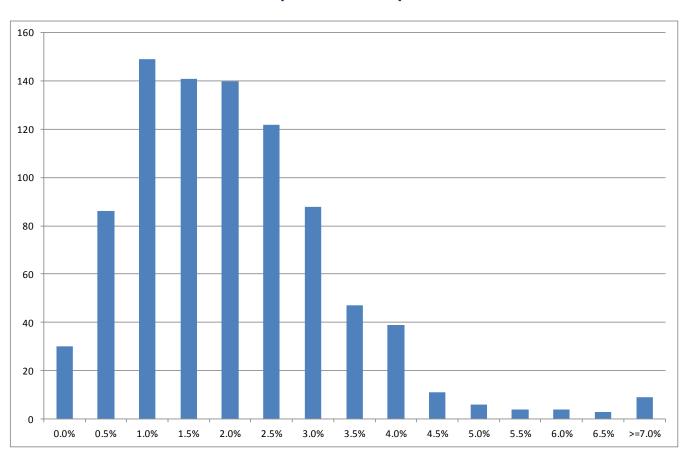


Distribution of Changes Average Change in Contribution Rate with 10% Decline in Assets (Smoothed)





Distribution of Changes Average Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)





y#	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 Liabilties	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline Assets (Unsmoothed
	Abernathy	1.7	2.0	2.3	-4.1%	16.4	0.13%	1.29%
	Abilene	5.1	5.9	1.2	-3.3%	15.1	0.32%	3.24%
	'Addison	5.9	6.6	1.3	-3.4%	16.3	0.38%	3.78%
	Agua Dulce	0.2	0.6	NA	76.0%	18.1	0.02%	0.21%
	Alamo	1.9	2.2	3.6	1.5%	20.5	0.12%	1.16%
		3.6	5.0	1.2	0.7%	17.8	0.23%	2.30%
	Alamo Heights	1.5	1.6	5.0	5.8%	17.8	0.23%	2.30% 1.80%
	Alba	1.5	1.6	2.3	2.0%		0.18%	1.80% 0.97%
	Albany Aledo	1.4	1.5	2.5 1.6	3.4%	13.6 19.0	0.10%	1.04%
	Alice	4.2	4.4	1.3	-2.9%	16.0		
							0.25%	2.54%
19	Allen	3.5	4.4	3.4	3.2%	20.0	0.22%	2.24%
	Alpine	2.5	2.2	2.5	-2.1%	16.1	0.15%	1.48%
22	Alto	2.2	2.4	1.6	-0.3%	23.4	0.18%	1.77%
23	Alton	1.6	1.8	4.9	7.1%	22.8	0.10%	1.05%
24	Alvarado	1.1	1.3	5.3	4.8%	21.9	0.08%	0.76%
26	Alvin	4.9	6.1	1.6	0.5%	17.5	0.31%	3.10%
	Alvord	1.5	1.7	2.3	3.5%	20.1	0.14%	1.41%
	Amarillo	4.6	5.5	1.6	-2.8%	15.4	0.29%	2.87%
	Amherst	2.9	1.4	1.5	-1.2%	17.6	0.00%	0.00%
	Anahuac	2.1	2.4	2.2	0.6%	19.5	0.22%	2.18%
	Andrews	4.8	6.0	1.9	-3.2%	17.0	0.31%	3.07%
	Angleton	3.7	4.5	2.1	-0.2%	17.1	0.23%	2.27%
	Anna	1.5	1.8	7.6	11.2%	24.0	0.09%	0.92%
	Annetta	0.5	0.5	NA 2.6	32.0%	19.4	0.09%	0.88%
44	Anson	1.6	1.6	3.6	-0.6%	15.8	0.10%	1.00%
45	Anthony	1.0	1.3	4.4	1.4%	19.0	0.06%	0.62%
	Aransas Pass	2.7	3.3	2.1	0.2%	19.0	0.17%	1.68%
50	Archer City	1.1	1.3	3.6	6.2%	15.7	0.07%	0.73%
49	Arcola	0.2	0.4	NA	32.7%	19.5	0.02%	0.16%
51	Argyle	2.6	3.1	1.6	3.1%	19.5	0.17%	1.71%
	Arlington	5.8	7.0	1.4	-1.4%	17.1	0.36%	3.64%
	Arp	2.4	2.3	1.8	-7.8%	16.3	0.14%	1.55%
	Aspermont	1.9	1.6	3.0	-0.9%	15.5	0.00%	0.05%
	Athens	4.1	5.3	1.5	0.6%	17.5	0.25%	2.45%
	Atlanta	2.4	2.5	2.2	0.3%	15.9	0.25%	2.45% 1.55%
	Aubrey	1.2	1.3	5.7	8.8%	24.0	0.08%	0.79%
	Avinger	1.8	1.8	NA	4.9%	15.8	0.12%	1.37%
75	Azle	3.0	3.8	1.7	2.5%	19.3	0.20%	1.95%
77	Baird	1.5	1.5	2.2	-2.4%	16.7	0.10%	1.08%
78	Balch Springs	2.9	3.9	2.0	4.6%	20.8	0.19%	1.85%
79	Balcones Heights	4.9	5.1	0.9	0.0%	15.9	0.31%	3.09%
	Ballinger	2.5	2.7	2.2	-3.4%	14.9	0.15%	1.55%
	Balmorhea	1.4	0.9	NA	3.7%	20.6	0.00%	0.00%
	Bandera	2.7	2.8	1.8	2.0%	17.9	0.19%	1.96%
	Bangs	4.0	4.5	1.2	-0.5%	15.4	0.31%	3.12%
	Bartlett	2.5	2.4	1.3	1.6%	20.7	0.15%	1.60%
	Bartonville	2.0	3.0	1.2	4.7%	18.5	0.20%	2.02%
	Bastrop	2.2	2.8	2.4	4.2%	19.0	0.15%	1.46%
	Bay City	4.0	4.7	1.4	-2.4%	16.0	0.26%	2.56%
93	Bayou Vista	1.2	1.2	1.6	1.6%	21.0	0.08%	0.88%
96	Baytown	4.5	5.8	1.7	0.4%	18.3	0.29%	2.89%
	Beaumont	6.7	8.4	1.1	-1.6%	15.7	0.41%	4.14%
	Bedford	1.1	1.6	5.0	12.2%	21.1	0.07%	0.69%
	Bee Cave	1.9	2.1	4.9	8.1%	21.6	0.12%	1.19%
	Beeville	3.0	2.6	1.3	-3.9%	16.2	0.19%	1.89%
	Bellaire	6.1	7.7	1.2	-1.4%	16.1	0.39%	3.87%
	Bellmead	3.6	3.8	2.2	0.0%	18.4	0.39%	2.23%
	Bells	0.9	0.7	2.5	-4.3%	20.5	0.22%	0.56%
	Bellville	3.8	5.2	2.5 1.3	-4.3% -1.3%	20.5 16.1	0.02%	0.56% 2.34%
	Belton	2.4	2.8	2.0	0.0%	19.1	0.23%	2.34% 1.51%
	Benbrook	5.3	6.4	1.6	0.2%	18.2	0.33%	3.25%
	Berryville	2.8	2.9	0.7	-3.6%	11.8	0.17%	3.85%
	Bertram	1.2	1.3	2.2	1.6%	17.9	0.09%	0.93%
	Big Lake	3.8	5.6	2.6	2.0%	17.8	0.24%	2.41%
126	Big Sandy	2.1	2.3	2.5	-5.8%	13.5	0.19%	1.86%
128	Big Spring	4.8	6.2	1.2	-1.4%	16.2	0.32%	3.17%
	Bishop	3.3	3.6	1.5	-1.6%	15.6	0.20%	2.03%
	Blanco	0.8	0.9	2.6	0.7%	21.1	0.25%	0.52%
	Blooming Grove	2.3	2.9	2.5	2.1%	18.7	0.03%	2.81%
	Blossom	4.1	4.1	1.0	-1.3%	15.7	0.26%	3.75%
	Blue Mound	0.7	0.8	3.8	11.4%	22.5	0.04%	0.42%
	Blue Ridge	0.8	0.6	5.0	9.5%	23.1	0.05%	0.51%
	Boerne	3.2	4.6	3.0	4.8%	19.1	0.20%	2.04%
150	Bogata	1.0	0.8	3.3	2.0%	20.0	0.06%	0.65%
	Bonham	3.2	3.4	2.0	-1.5%	16.8	0.19%	1.95%
	Booker	1.9	2.0	5.0	3.3%	20.1 17.6	0.17%	1.74% 2.74%
	Borger	4.3	5.3	2.0	0.1%	17.6 18.5	0.27%	2.74% 0.68%
	Bovina	1.1	1.0	2.2	-3.8%	18.5	0.07%	0.68%
Ih()	Bowie	4.1 1.4	4.7 1.4	1.2 2.3	-1.6% 3.3%	17.4 20.5	0.26%	2.57%

S:L. 41	Cit. No	Ratio of MVA to Covered		Ratio of Actives to	Net Cash Flow as a Percentage of Market Value of Assets	Duration of Liabilties	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in
	CityName	Pay	Pay	Retirees (A/R)			,	Assets (Unsmoothed)
	Brady	2.2	2.6	1.8	3.5%	18.1	0.14%	1.40%
	Brazoria Breckenridge	3.8 3.1	4.0 3.7	1.8 1.4	0.8% -3.3%	16.5 15.4	0.24% 0.21%	2.41% 2.06%
	Bremond	2.3	2.9	6.0	9.4%	18.2	0.21%	2.69%
	Brenham	3.7	4.4	1.5	-1.7%	16.1	0.23%	2.29%
					-0.9%			3.09%
	Bridge City Bridgeport	4.9 3.6	6.1 4.6	1.2 1.3	0.0%	16.5 19.7	0.31% 0.23%	3.09% 2.32%
	Bronte	2.6	3.5	3.0	3.5%	13.0	0.42%	4.24%
	Brookshire	2.8	3.3	4.0	1.3%	17.6	0.18%	1.85%
	Brownfield	4.9	4.9	2.0	-0.5%	15.4	0.29%	2.96%
186	Brownsboro	0.3	1.1	9.0	51.0%	15.7	0.03%	0.34%
	Brownsville	5.2	6.4	2.0	0.2%	18.4	0.32%	3.23%
	Brownsville PUB	4.9	6.2	2.2	2.0%	17.8	0.31%	3.05%
10190	Brownwood	4.4	5.4	1.6	-1.3%	16.7	0.27%	2.75%
30190	Brownwood Health Dept.	2.9	3.4	0.9	-1.4%	17.4	0.24%	2.42%
20190	Brownwood Public Library	2.0	2.0	3.3	0.1%	15.4	0.12%	1.34%
	Bruceville-Eddy	1.8	1.9	2.4	1.7%	20.9	0.11%	1.24%
192	Bryan	4.7	5.9	1.4	-0.1%	17.8	0.30%	3.01%
193	Bryson	6.3	5.0	3.0	-4.1%	14.1	0.00%	0.00%
194	Buda	1.5	2.0	7.2	12.1%	22.5	0.10%	0.99%
196	Buffalo	2.4	2.6	3.4	1.0%	12.9	0.17%	1.71%
	Bullard	1.3	1.7	9.0	7.8%	20.3	0.08%	0.85%
	Bulverde	1.7	2.0	3.0	7.6%	21.4	0.10%	1.03%
	Bunker Hill Village	4.7	5.1	1.6	-0.5%	14.2	0.49%	4.90%
200	Burkburnett	4.1	5.0	1.4	-2.6%	15.0	0.26%	2.56%
202	Burleson	3.5	4.6	2.5	2.6%	19.4	0.22%	2.23%
204	Burnet	3.4	4.2	1.8	0.8%	19.0	0.22%	2.18%
	Burton	0.5	0.8	NA	27.9%	21.0	0.10%	0.99%
	Cactus	0.8	0.9	4.3	9.5%	23.5	0.05%	0.53%
208	Caddo Mills	0.9	1.0	4.0	6.3%	20.2	0.07%	0.70%
210	Caldwell	4.4	4.9	1.9	-0.7%	14.3	0.29%	2.86%
212	Calvert	0.8	0.7	3.7	2.6%	17.0	0.05%	0.51%
	Cameron	2.5	3.3	1.2	-1.6%	15.7	0.17%	1.71%
	Campbell	0.8	2.7	NA	54.3%	15.1	0.14%	1.37%
220	Canadian	3.4	4.8	2.0	1.1%	18.4	0.22%	2.19%
	Caney City	0.2	0.2	NA	34.4%	26.7	0.02%	0.14%
	Canton	3.2	4.0	1.9	2.1%	17.1	0.20%	1.97%
	Canyon	5.0	5.8	2.4	1.2%	17.2	0.31%	3.10%
	Carmine	2.8	2.8	1.0	0.9%	19.5	0.18%	3.44%
228	Carrizo Springs	3.3	3.6	1.7	-4.6%	14.3	0.21%	2.09%
	Carrollton	6.8	7.6	1.2	-2.0%	16.3	0.44%	4.36%
	Carthage	6.4	8.0	1.3	-2.4%	15.3	0.40%	3.98%
	Castle Hills	4.4	5.3	1.2	-2.0%	17.5	0.28%	2.75%
	Castroville	2.7	3.2	1.2	-1.5%	16.4	0.17%	1.72%
	Cedar Hill	4.0	4.9	1.9	1.4%	19.0	0.25%	2.53%
	Cedar Park	2.4	3.3	3.6	6.2%	21.8	0.15%	1.53%
	Celeste	0.7	1.4	1.0	8.4%	12.9	0.12%	1.19%
	Celina	0.9 3.7	0.9	12.3	13.0%	24.3	0.05%	0.57%
	Center Centerville	3.7	4.3 4.6	1.6 5.0	1.1% 5.7%	19.1 13.4	0.23% 0.44%	2.30% 4.43%
	Chandler	0.7	1.0	3.3	6.8%	16.3	0.04%	0.43%
	Charlotte Chester	1.6 15.3	1.6 15.3	8.0 NA	-2.3% 0.8%	18.4 9.6	0.11% 1.10%	1.24% 18.02%
	Chico	1.6	15.3	1.8	1.0%	9.6 12.0	0.16%	1.60%
	Childress	3.4	4.7	1.5	-1.4%	17.1	0.10%	2.16%
	Chillicothe		0.9	NA			0.04%	
	Chireno	0.4 4.9	7.0	1.5	45.1% -1.3%	17.5 16.8	0.04%	0.45% 5.64%
	Christine	1.5	1.2	0.5	-0.4%	23.4	0.00%	0.00%
	Cibolo	1.8	2.2	3.7	8.7%	22.4	0.11%	1.13%
	Cisco	2.6	2.8	2.2	0.3%	17.2	0.17%	1.69%
258	Clarendon	1.8	1.6	2.3	1.5%	13.1	0.12%	1.13%
	Clarksville	4.0	3.3	1.4	-2.0%	17.5	0.12%	2.43%
	Clarksville City	6.4	6.4	0.6	-6.5%	14.1	0.41%	4.67%
	Clear Lake Shores	1.7	2.1	4.5	8.0%	22.1	0.12%	1.21%
264	Cleburne	4.9	6.4	1.3	-2.0%	16.0	0.30%	2.98%
266	Cleveland	2.9	3.6	1.8	0.3%	17.8	0.19%	1.93%
	Clifton	2.1	2.2	1.7	0.1%	15.1	0.13%	1.34%
	Clute	4.3	4.7	1.6	-0.5%	17.7	0.28%	2.82%
	Clyde	2.8	3.5	2.1	2.9%	19.3	0.18%	1.79%
274	Coahoma	3.1	3.3	1.3	-0.8%	15.1	0.20%	3.73%
276	Cockrell Hill	3.3	3.2	2.6	2.5%	20.2	0.22%	2.12%
	Coleman	4.6	5.7	1.3	-1.3%	15.7	0.31%	3.09%
280	College Station	4.3	5.3	1.9	-0.3%	18.4	0.27%	2.74%
	Colleyville	4.2	4.5	1.3	-0.8%	17.5	0.28%	2.76%
282	Collinsville	1.1	1.2	2.0	5.9%	18.4	0.12%	1.19%
283	Colmesneil	1.6	1.9	4.0	2.1%	19.7	0.21%	2.06%
	Colorado City	3.7	3.9	1.6	-0.6%	15.6	0.23%	2.33%
	Columbus	4.1	4.9	1.4	1.2%	16.6	0.26%	2.64%
288	Comanche	2.8	3.2	1.2	-2.6%	14.0	0.18%	1.81%
	Combes	0.2	1.0	NA	67.3%	19.5	0.01%	0.12%

					Net Cash Flow as a		Change in Contribution	Change in Contribution
City#	CityName	Ratio of MVA to Covered Pay	Ratio of AAL to Covered Pay	Ratio of Actives to Retirees (A/R)	Percentage of Market Value of Assets	Duration of Liabilties	Rate with 10% Decline in Assets (Smoothed)	_
	Commerce	3.7	4.2	1.1	-1.2%	18.4	0.23%	2.27%
	Conroe	4.1	5.3	2.3	0.3%	18.8	0.26%	2.56%
	Converse	3.0	3.9	2.6	2.2%	20.3	0.19%	1.93%
	Cooper	3.2	3.6	1.6	-2.0%	13.2	0.26%	2.55%
	Coppell	4.8	5.8	1.6	0.9%	18.8	0.30%	3.00%
	Copper Canyon Copperas Cove	2.0 4.5	2.3 5.5	0.8 1.1	6.9% -0.9%	12.3 17.6	0.30% 0.28%	3.03% 2.85%
	Corinth	3.4	4.3	1.7	3.0%	20.8	0.22%	2.17%
	Corpus Christi	5.3	7.6	1.1	-1.4%	15.6	0.36%	3.61%
304	Corrigan	1.4	1.5	1.9	0.2%	16.0	0.10%	0.94%
306	Corsicana	4.8	5.9	1.1	-1.0%	16.0	0.34%	3.43%
	Cotulla	1.3	1.7	2.4	2.7%	16.7	0.09%	0.86%
	Crandall Crane	2.5 4.5	2.6 4.5	2.5 1.5	4.9% -2.3%	21.1 16.2	0.15% 0.30%	1.56% 2.97%
	Crawford	1.0	0.9	5.0	2.9%	23.5	0.05%	0.71%
	Crockett	4.4	4.9	0.9	-3.8%	15.4	0.28%	2.78%
	Crosbyton	4.4	4.6	0.8	-5.5%	12.4	0.28%	3.78%
	Cross Plains	3.4	3.9	2.7	1.3%	16.1	0.32%	3.23%
	Cross Roads	0.4	0.5	11.0	31.9%	27.1	0.03%	0.31%
322	Crowell	0.1	1.7	NA	100.0%	23.8	0.00%	0.03%
	Crowley	2.7	3.3	2.2	2.6%	20.7	0.17%	1.74%
	Crystal City Cuero	2.9 2.5	2.5 3.2	2.3 1.6	-3.4% 0.9%	14.8 18.2	0.19% 0.16%	1.86% 1.58%
	Cumby	0.6	3.2 0.7	1.6 3.3	0.9% 6.0%	18.2 19.4	0.16%	0.59%
	Daingerfield	3.4	3.6	1.2	-2.5%	15.2	0.21%	2.16%
334	Daisetta	1.4	1.3	7.0	3.1%	14.7	0.10%	0.96%
336	Dalhart	2.9	3.1	2.2	-1.4%	16.4	0.18%	1.80%
	Dalworthington Gardens	3.9	5.5	2.2	0.6%	19.8	0.23%	2.33%
	Danbury	1.1	1.3	9.0	2.5%	17.7	0.10%	1.02%
	Darrouzett	2.7	2.9	3.0	-7.6%	14.3	0.36%	3.57%
	Dayton De Leon	1.6 1.1	1.9 1.1	2.1 1.8	3.0% -0.4%	18.4 15.3	0.11% 0.11%	1.05% 1.06%
	DeSoto	4.8	5.4	1.4	-1.6%	17.1	0.30%	3.00%
	Decatur	3.6	4.5	2.6	3.3%	17.9	0.22%	2.24%
348	Deer Park	6.0	6.9	1.5	-1.2%	17.1	0.37%	3.72%
350	Dekalb	1.6	1.5	1.3	2.7%	16.5	0.10%	1.05%
	Del Rio	1.3	1.9	4.1	4.5%	18.2	0.08%	0.78%
	Dell City	3.8	4.3	2.0	-3.5%	14.2	0.56%	5.62%
	Denison Denton	5.3 4.5	6.0 5.6	1.4 2.0	-2.2% 0.8%	15.4 17.9	0.32% 0.28%	3.24% 2.82%
		6.8	7.5	1.1	-3.1%	14.3	0.45%	4.48%
	Denver City Deport	0.5	7.5 0.6	3.0	-1.2%	16.4	0.43%	0.67%
	Devine	1.8	3.5	3.0	8.5%	18.9	0.12%	1.17%
	Diboll	5.5	6.6	1.0	-2.2%	17.6	0.37%	3.67%
372	Dickens	0.9	0.8	NA	9.9%	23.2	0.06%	0.57%
	Dickinson	3.0	3.5	2.6	2.2%	17.3	0.19%	1.93%
	Dilley Dimmitt	1.4 4.7	2.0 4.4	1.7 1.3	0.6% -2.7%	18.3 15.6	0.09% 0.30%	0.88% 2.96%
	Donna	1.3	1.9	4.6	6.6%	20.9	0.08%	0.81%
	Double Oak	1.1	1.2	3.7	9.8%	20.1	0.09%	0.92%
383	Dripping Springs	0.6	0.7	24.0	19.1%	24.1	0.03%	0.34%
385	Driscoll	0.3	0.4	NA	19.1%	21.8	0.04%	0.36%
	Dublin	2.3	3.0	2.3	4.3%	19.8	0.14%	1.45%
	Dumas Duncanville	3.0 6.0	3.3 6.6	1.7 1.1	-1.2% -4.1%	17.4 14.6	0.19% 0.37%	1.86% 3.74%
	Eagle Lake Eagle Pass	3.7 3.8	4.2 4.3	1.4 2.3	-1.5% -1.0%	15.9 18.0	0.24% 0.24%	2.43% 2.39%
	Early	2.1	2.1	2.7	-0.5%	18.1	0.14%	1.36%
399	Earth	1.1	1.5	1.7	3.5%	13.2	0.13%	1.32%
393	East Bernard	0.4	0.5	5.0	23.4%	21.2	0.05%	0.49%
	East Mountain	10.0	10.4	0.5	-3.9%	18.4	0.54%	15.02%
	East Tawakoni	2.3	2.3	2.3	-4.3%	16.3	0.15%	1.89%
	Eastland Ector	2.4 1.3	2.8 1.3	1.9 4.0	0.9% 2.5%	18.0 14.2	0.15% 0.08%	1.49% 1.30%
	Eden	4.6	4.8	4.0 0.7	-3.3%	14.6	0.31%	4.34%
	Edgewood	0.9	1.1	1.8	5.1%	17.1	0.08%	0.82%
	Edinburg	3.1	4.2	3.1	2.3%	19.8	0.19%	1.93%
412	Edna	4.6	5.5	1.4	-0.1%	16.5	0.28%	2.84%
	El Campo	4.3	5.2	1.5	-0.9%	16.4	0.27%	2.66%
	Eldorado	2.9	3.5	3.0	-2.3%	16.0	0.18%	1.81%
	Electra	1.9	2.1	1.0	-3.0%	13.6	0.12%	1.23%
	Elgin Elkhart	2.6 2.7	3.4 3.1	2.5 1.8	3.9% -0.6%	18.7 14.4	0.16% 0.28%	1.63% 2.77%
	Elmendorf	0.3	3.1 0.4	1.8 16.0	-0.6% 16.8%	14.4 23.7	0.28%	0.25%
	Emory	1.6	1.7	2.0	0.3%	17.6	0.10%	0.98%
	Ennis	5.1	6.1	1.4	-0.7%	17.9	0.32%	3.22%
	Euless	6.3	7.5	1.5	-0.3%	17.4	0.40%	3.97%
440	Eustace	2.1	2.6	0.9	0.3%	17.4	0.24%	2.41%
	Everman 5 - 1 - 2 - 1 - 2 - 1	2.7	3.2	2.2	0.1%	17.0	0.18%	1.76%
	Fair Oaks Ranch	2.0	2.4	5.2	7.9%	22.5	0.13%	1.28%

,,	C'A Na ana	Ratio of MVA to Covered		Ratio of Actives to	Net Cash Flow as a Percentage of Market	Duration of Liabilties	Change in Contribution Rate with 10% Decline in	Change in Contribution Rate with 10% Decline in
·	CityName	Pay	Pay	Retirees (A/R)	Value of Assets	Duration of Liabilties	Assets (Smoothed)	Assets (Unsmoothed)
	Fairfield	3.8	3.9	1.2	-2.1%	15.4	0.23%	2.32%
	Fairview Falfurrias	1.5 1.4	1.9 1.6	11.8 1.9	10.4% -1.5%	22.5 15.8	0.10% 0.09%	0.97% 0.85%
	Falls City	1.6	2.0	NA	10.0%	17.2	0.23%	2.28%
	Farmers Branch	7.7	9.4	1.2	-1.9%	16.5	0.49%	4.91%
450	Farmersville	2.4	2.8	1.5	-1.8%	17.4	0.16%	1.58%
	Farwell	3.3	4.1	2.3	-0.3%	17.2	0.36%	3.59%
452	Fate	1.0	1.1	4.6	14.6%	24.1	0.07%	0.66%
	Fayetteville	0.9	1.0	4.0	3.7%	15.8	0.14%	1.45%
456	Ferris	2.1	2.3	1.4	-1.4%	18.6	0.13%	1.30%
	Flatonia	4.6	5.4	1.4	0.9%	17.6	0.30%	2.96%
	Florence	1.2	1.2	11.0	4.0%	21.6	0.07%	0.79%
	Floresville	1.8	2.4	2.1	3.6% 2.6%	18.9	0.12%	1.23%
	Flower Mound Floydada	3.1 4.7	3.7 5.5	2.7 1.1	-1.9%	19.3 15.9	0.20% 0.30%	1.97% 2.96%
	Forest Hill Forney	3.8 2.0	4.5 2.5	1.2 6.1	1.2% 7.4%	19.7 24.1	0.24% 0.13%	2.41% 1.32%
	Fort Stockton	2.6	3.3	1.9	-1.4%	17.4	0.15%	1.59%
	Franklin	1.1	1.1	2.4	0.2%	20.4	0.08%	0.76%
478	Frankston	0.8	0.9	3.3	4.6%	19.0	0.05%	0.63%
480	Fredericksburg	3.8	4.7	1.6	-0.4%	16.6	0.25%	2.50%
	Freeport	3.5	4.6	1.6	0.1%	19.2	0.22%	2.15%
481	Freer	1.6	2.2	2.6	3.7%	16.5	0.10%	1.00%
	Friendswood -	4.4	5.4	1.7	-0.2%	17.7	0.28%	2.80%
484	Friona	5.2	5.8	1.6	-1.2%	16.2	0.35%	3.47%
	Frisco	2.4	3.1	6.4	6.8%	23.0	0.15%	1.54%
	Fritch	2.8	2.0	2.1	0.6%	21.1	0.17%	1.71%
	Frost Fulshear	2.5 0.5	3.0 0.6	1.0 23.0	-4.5% 24.9%	10.1 24.2	0.37% 0.03%	3.67% 0.31%
	Fulton	1.7	2.5	1.3	5.5%	15.2	0.03%	2.12%
	Gainesville Galena Park	3.2 4.3	4.3 5.0	1.5 1.4	-1.7% -2.0%	17.5 17.7	0.22% 0.30%	2.18% 2.98%
	Ganado	6.6	7.2	1.0	0.9%	14.9	0.60%	6.04%
	Garden Ridge	1.6	1.9	1.7	5.6%	18.6	0.10%	1.00%
	Garland	5.9	6.6	1.4	-1.9%	15.4	0.37%	3.75%
502	Garrison	4.7	5.4	2.0	0.4%	16.4	0.52%	5.17%
503		1.7	2.3	2.0	2.4%	19.1	0.24%	2.41%
	Gatesville	4.3	5.4	1.5	-0.3%	17.3	0.27%	2.67%
	George West	1.1	1.4	4.6	0.6%	17.8	0.07%	0.69%
506	Georgetown	2.7	3.4	3.5	4.1%	20.6	0.17%	1.70%
	Giddings	4.1	5.4	1.8	1.8%	16.0	0.26%	2.61%
	Gilmer	3.8	4.7	1.3	0.8%	17.6	0.23%	2.32%
	Gladewater Glen Rose	2.6 2.7	3.0 3.4	1.4 1.3	-1.7% 2.0%	19.1 18.1	0.16% 0.17%	1.59% 1.66%
	Glenn Heights	2.7	1.9	1.5	-0.4%	18.8	0.17%	1.32%
	Godley	0.7	0.8	1.8	7.0%	21.2	0.06%	0.64%
	Goldsmith	1.5	1.6	NA	6.3%	14.0	0.21%	2.11%
	Goldthwaite	7.3	9.3	1.2	-3.4%	14.2	0.61%	6.11%
522	Goliad	2.9	2.8	1.4	-2.4%	16.4	0.20%	2.05%
524	Gonzales	3.2	4.0	1.7	-2.3%	17.1	0.19%	1.94%
527	Gordon	0.1	0.3	NA	100.0%	25.1	0.00%	0.04%
	Gorman	0.3	1.0	NA	51.8%	19.2	0.03%	0.34%
	Graford	0.8	0.9	NA 1.2	9.9%	16.9	0.12%	1.20%
	Graham Granbury	3.6 3.9	4.3 5.0	1.3 1.5	-1.1% 0.2%	16.2 17.9	0.25% 0.25%	2.54% 2.47%
	•							
	Grand Prairie Grand Saline	5.1 3.1	6.3 3.3	1.7 1.5	-0.7% -5.1%	17.9 16.7	0.32% 0.21%	3.25% 2.11%
	Grandview	1.9	1.9	1.5 1.6	1.3%	18.4	0.21%	1.23%
	Granger	1.2	1.0	1.1	-3.1%	14.9	0.09%	0.89%
	Granite Shoals	0.9	1.0	3.2	5.1%	20.1	0.06%	0.59%
548	Grapeland	2.6	2.8	0.7	-2.8%	16.0	0.26%	2.64%
	Grapevine	5.2	6.5	1.5	0.4%	17.4	0.33%	3.26%
	Greenville	5.6	6.4	1.1	-2.5%	14.7	0.35%	3.51%
	Gregory	1.3	1.0	6.0	3.0%	18.5	0.08%	0.79%
	Grey Forest	4.3	5.4	1.7	0.2%	17.1	0.27%	2.70%
	Groesbeck	1.2	1.4	2.0	-0.3%	16.6	0.07%	0.74%
	Groom	1.4	1.4	1.3	-0.4%	14.9	0.09%	1.46%
	Groves Groveton	6.1 1.1	6.7 1.2	1.1 5.5	-2.7% 2.2%	14.9 15.5	0.37% 0.06%	3.66% 0.87%
	Groveton Gruver	4.7	5.5	5.5 1.7	-1.2%	15.5 14.5	0.06%	0.87% 6.42%
	Gun Barrel City Gunter	2.0 0.8	2.0 0.6	1.8 2.3	1.7% 7.6%	18.8 22.0	0.13% 0.05%	1.28% 0.50%
	Gunter Hale Center	0.8	0.6	2.3 11.0	7.6% 5.6%	22.0 18.3	0.05%	0.50%
	Hallettsville	4.5	5.3	1.5	0.0%	16.5	0.28%	2.81%
	Hallsville	0.6	0.8	5.0	3.0%	16.9	0.04%	0.38%
	Haltom City	5.7	7.4	1.2	-0.7%	17.6	0.36%	3.59%
	Hamilton	3.6	4.5	1.3	-1.0%	16.8	0.21%	2.11%
	Hamlin	4.4	5.1	1.3	-4.0%	16.1	0.38%	3.79%
	Нарру	5.5	5.8	1.0	1.5%	15.2	0.68%	9.78%
504	Harker Heights	3.4	4.4	2.6	2.5%	19.5	0.21%	2.12%

itv#	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 Liabilties	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline i Assets (Unsmoothed)
		-	·				,	
	Harlingen Harlingen Waterworks Sys	8.8 3.7	9.8 3.9	0.5 1.1	-3.6% -4.1%	13.4 13.9	1.03% 0.23%	10.28% 2.31%
	Hart	0.8	1.1	2.5	4.7%	22.5	0.23%	1.07%
	Haskell	2.4	1.7	1.8	-3.2%	16.5	0.00%	0.00%
	Haslet	1.9	2.0	4.2	7.2%	18.6	0.13%	1.29%
588	Hawkins	4.7	4.6	0.7	0.8%	14.6	0.34%	3.78%
	Hays	2.9	2.9	0.3	-3.2%	13.0	0.33%	6.52%
	Hearne	2.9	4.0	2.0	1.7%	17.8	0.19%	1.91%
591	Heath	2.6	3.0	2.3	4.1%	19.1	0.16%	1.63%
592	Hedley	6.5	6.4	1.0	-0.5%	11.3	0.44%	7.16%
595	Hedwig Village	2.4	2.8	1.8	-0.4%	15.0	0.16%	1.59%
	Helotes	1.7	2.0	4.7	5.1%	20.6	0.10%	1.04%
594	Hemphill	2.5	3.1	2.0	2.4%	13.9	0.16%	1.61%
596	Hempstead	2.8	3.3	3.2	1.1%	15.5	0.18%	1.81%
598	Henderson	4.3	5.5	1.7	0.4%	19.5	0.27%	2.67%
600	Henrietta	3.4	4.4	1.3	0.8%	16.9	0.23%	2.29%
602	Hereford	3.6	4.4	2.0	-0.2%	17.2	0.23%	2.29%
605	Hewitt	3.3	4.4	2.8	2.3%	20.6	0.21%	2.06%
	Hickory Creek	2.5	3.0	1.7	4.8%	23.6	0.17%	1.73%
606	Hico	2.4	2.6	1.6	-1.4%	18.3	0.19%	1.86%
607	Hidalgo	2.8	3.4	3.4	3.2%	19.7	0.18%	1.79%
	Higgins	3.2	3.3	0.7	-14.6%	12.0	0.19%	4.01%
	Highland Park	5.7	5.9	1.0	-3.3%	14.6	0.36%	3.61%
	Highland Village	3.6	4.3	2.1	3.0%	19.3	0.23%	2.25%
613	Hill Country Village	2.3	2.4	3.8	2.3%	18.9	0.15%	1.68%
	Hillsboro	3.6	4.5	1.6	0.9%	18.0	0.23%	2.27%
	Hilshire Village	0.7	0.9	2.0	29.4%	17.1	0.13%	1.33%
	Hitchcock	1.9	1.9	2.1	0.3%	15.7	0.12%	1.22%
	Holland	2.2	2.4	2.7	-2.1%	15.5	0.21%	2.07%
616	Holliday	1.8	1.9	9.0	4.3%	18.1	0.12%	1.56%
617	Hollywood Park	2.5	3.1	2.0	2.7%	19.5	0.16%	1.58%
	Hondo	3.1	3.5	1.6	-0.2%	17.9	0.19%	1.95%
	Honey Grove	3.7	4.0	2.0	0.0%	16.2	0.33%	3.31%
	Hooks	2.2	3.0	3.5	2.2%	18.5	0.16%	1.64%
623	Horizon City	0.1	0.6	NA	100.0%	25.8	0.01%	0.07%
626	Howe	3.0	3.2	1.8	1.7%	16.4	0.21%	2.30%
	Hubbard	1.2	1.2	4.0	3.4%	18.1	0.08%	0.83%
	Hudson	1.2	1.3	5.0	4.2%	18.7	0.08%	0.82%
	Hudson Oaks	2.4	2.9	2.2	7.3%	24.1	0.16%	1.56%
630	Hughes Springs	7.4	7.6	2.0	0.9%	14.4	0.50%	5.88%
632	Humble	4.4	5.2	1.9	0.0%	18.9	0.28%	2.77%
	Hunters Creek Village	1.8	2.9	0.9	3.4%	17.2	0.19%	1.92%
	Huntington	3.9	4.8	1.7	0.2%	17.4	0.25%	2.48%
	Huntsville	5.0	6.8	1.3	-1.1%	16.2	0.33%	3.26%
637	Hurst	5.6	6.3	1.5	-2.9%	16.0	0.34%	3.43%
	Hutchins	1.9	2.2	2.6	4.0%	22.0	0.13%	1.28%
	Hutto	1.7	1.8	6.0	9.9%	23.7	0.11%	1.07%
	Huxley	2.6	2.4	2.5	-3.2%	14.7	0.18%	1.76%
	Idalou	1.0	1.1	NA 1.0	1.3%	24.7	0.07%	0.70%
	Ingleside	3.0	3.5	1.8	6.1%	15.9	0.19%	1.87%
	Ingram	1.5	1.7	0.9	-0.4%	17.2	0.12%	1.20%
	Iowa Colony	1.1	1.6	NA 1.5	25.9%	12.7	0.10%	0.99%
	Iowa Park	4.1	5.0	1.5	0.1%	17.0	0.26%	2.60%
	Iraan Inving	4.1 6.2	5.6 7.3	1.2	-1.0% -1.7%	13.4 16.0	0.48%	4.79%
	Irving		7.3	1.4	-1.7%	16.0	0.40%	4.04%
	Italy 	0.6	0.9	2.0	0.4%	16.9	0.04%	0.40%
	Itasca	2.8	2.8	3.2	2.5%	18.6	0.17%	1.78%
	Jacinto City	3.0	3.6	1.9	0.2%	15.6	0.19%	1.91%
	Jacksboro Jacksonville	3.1 4.1	4.1 4.8	1.9 1.2	0.3% -1.1%	18.6 17.6	0.20% 0.27%	2.01%
	Jacksonville							2.72%
	Jasper	4.1	4.8	1.5	-1.6%	14.5	0.26%	2.56%
	Jefferson	2.3	2.2	1.9	2.1%	14.2	0.17%	1.65%
	Jersey Village	3.6	4.4 4.5	1.7 1 2	0.8%	18.2 16.0	0.23%	2.33%
	Jewett	3.5 1.0	4.5 1.4	1.3 1.2	-10.7% 1.3%	16.0 14.7	0.43% 0.10%	4.33% 0.99%
	Joaquin							
	Johnson City	2.1	2.7	1.9	2.5%	17.8	0.15%	1.53%
	Jones Creek	1.5	1.9	1.6	1.0%	17.2	0.14%	1.40%
	Jonestown Josephine	1.1	1.3	3.0 NA	7.9% 11.0%	19.4 22.5	0.07%	0.72%
	Josephine Josephine	0.9	0.9	NA 5.1	11.9% 2.5%	22.5 20.0	0.09%	0.86%
	Joshua	2.0	2.0	5.1	2.5%	20.0	0.12%	1.22%
	Jourdanton	1.8	2.1	2.1	-0.4%	17.1	0.11%	1.12%
	Junction	3.7	4.6	1.4	-2.4%	15.6	0.25%	2.49%
	Justin Karnes City	1.1	1.3	3.2	8.9%	22.6 10.4	0.06%	0.64% 1.06%
	Karnes City	1.7	2.3	2.3	0.6%	19.4 21.4	0.11%	1.06%
	Katy	3.1	3.6	3.5	3.5%	21.4	0.19%	1.92%
	Kaufman	3.9	4.9	1.1	-2.5%	16.9	0.25%	2.52%
	Keene	3.8	4.5	1.8	-0.1%	18.8	0.24%	2.41%
	Keller	4.4	5.6	1.8	0.1%	19.0	0.28%	2.78%
COE	Kemah	2.1	2.3	2.3	1.6%	18.5	0.15%	1.51%

~: <i>u</i>	Cit. No	Ratio of MVA to Covered		Ratio of Actives to Retirees (A/R)	Net Cash Flow as a Percentage of Market Value of Assets	Duration of Liabilties	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in
	CityName 	Pay	Pay				,	Assets (Unsmoothed)
	Kenedy	1.3	1.5	4.5	4.8%	18.6	0.08%	0.80%
	Kennedale Kerens	3.5 0.4	4.2 1.1	1.8 11.0	2.7% 23.4%	21.0 19.4	0.24% 0.03%	2.37% 0.32%
	Kermit	4.0	5.3	1.9	0.9%	16.2	0.25%	2.53%
	Kerrville	4.0	4.8	1.2	-1.7%	17.2	0.26%	2.62%
	Kerrville PUB			1.4	-0.9%			
	Kilgore	6.3 5.0	7.2 5.9	1.4 1.2	-0.9% -1.4%	16.7 17.0	0.40% 0.31%	3.97% 3.12%
	Killeen	3.7	4.5	1.8	-1.4%	16.2	0.22%	2.23%
	Kingsville	4.9	5.5	1.5	-1.3%	17.0	0.31%	3.07%
	Kirby	3.4	4.2	2.0	1.0%	20.1	0.21%	2.09%
	Kirbyville	1.9	2.4	1.3	-1.0%	15.4	0.13%	1.30%
	Knox City	1.9	1.8	1.6	-1.6%	14.7	0.12%	1.28%
	Kosse	0.1	0.4	NA	79.3%	20.7	0.02%	0.17%
708	Kountze	0.8	0.9	6.3	3.0%	18.7	0.05%	0.55%
709	Kress	11.1	9.0	0.3	-5.7%	12.7	0.00%	0.00%
699	Krugerville	0.8	0.9	3.0	17.2%	21.0	0.08%	0.85%
	Krum	1.0	1.1	5.3	9.4%	23.3	0.06%	0.64%
710	Kyle	1.8	2.2	8.0	8.9%	23.6	0.11%	1.11%
725	La Coste	1.2	1.2	2.7	3.9%	15.6	0.08%	0.81%
714	La Feria	2.8	3.8	1.8	-0.2%	16.8	0.17%	1.66%
716	La Grange	4.8	5.7	2.0	0.8%	15.6	0.30%	2.97%
723	La Grulla	1.4	1.2	3.0	-1.3%	22.5	0.09%	0.91%
	La Joya	0.7	1.5	4.5	5.7%	17.3	0.04%	0.42%
	La Marque	3.6	4.5	1.3	1.4%	19.6	0.24%	2.42%
728	La Porte	6.2	7.3	1.7	-0.7%	16.6	0.38%	3.83%
731	La Vernia	0.5	0.7	5.3	17.3%	20.5	0.04%	0.36%
711	Lacy-Lakeview	3.2	4.2	2.2	1.5%	20.7	0.20%	2.02%
712	Ladonia	2.5	1.8	0.7	-2.5%	14.2	0.15%	1.54%
	Lago Vista	2.2	2.5	2.9	3.0%	17.4	0.15%	1.46%
705	Laguna Vista	1.1	1.0	NA	5.5%	19.0	0.06%	0.69%
717	Lake Dallas	4.3	5.0	0.8	-0.5%	17.3	0.27%	2.68%
718	Lake Jackson	5.1	5.8	1.7	-0.5%	16.7	0.32%	3.17%
719	Lake Worth	3.1	4.2	2.3	1.8%	20.3	0.20%	2.02%
	Lakeport	1.9	1.4	6.0	0.7%	20.5	0.00%	0.26%
715	Lakeside	1.6	1.8	4.0	7.9%	18.4	0.11%	1.14%
729	Lakeside City	1.0	1.1	1.7	4.1%	16.2	0.12%	1.23%
720	Lakeway	2.5	3.2	1.9	5.8%	20.3	0.16%	1.58%
	Lamesa	4.4	4.7	1.4	-4.4%	13.9	0.29%	2.93%
	Lampasas	3.9	5.0	1.8	1.1%	19.2	0.25%	2.45%
726	Lancaster	4.0	5.1	1.3	-0.1%	18.6	0.25%	2.50%
730	Laredo	4.3	5.9	2.2	2.1%	18.2	0.27%	2.70%
	Lavon	1.2	1.4	6.0	7.8%	19.3	0.08%	0.83%
	League City	3.7	4.7	2.2	1.5%	18.9	0.23%	2.31%
	Leander	1.7	2.1	5.4	9.9%	23.1	0.11%	1.06%
735	Lefors	0.5	0.6	NA	20.6%	22.1	0.06%	0.60%
	Leon Valley	5.9	7.2	1.1	-2.0%	16.1	0.38%	3.85%
	Leonard	1.3	1.2	2.3	1.1%	18.9	0.08%	0.81%
	Levelland	5.0	5.6	1.7	-1.0%	17.2	0.31%	3.13%
	Lewisville	4.8	6.0	1.8	0.1%	18.3	0.30%	3.04%
	Lexington	3.2	3.8	1.2	-4.9%	16.9	0.27%	2.73%
	Liberty	2.3	3.6	2.3	4.7%	16.6	0.16%	1.58%
	Liberty Hill	0.5	0.6	31.0	27.5%	22.1	0.04%	0.36%
	Lindale Linden	2.3 1.7	3.4 1.6	4.5 2.5	4.6% -2.9%	18.4 13.4	0.14% 0.10%	1.43% 1.07%
	Lipan	1.7	1.6	2.5 NA	-2.9% 7.0%	13.4 17.6	0.10%	1.07% 1.50%
	Little Elm	1.8	2.3	5.2 1.2	9.5%	23.4 17.1	0.12%	1.21%
	Littlefield Live Oak	3.4 5.3	3.9 6.7	1.2 1.5	-2.1% 0.8%	17.1 17.1	0.21% 0.33%	2.14% 3.34%
	Live Oak Liverpool	0.4	0.4	NA	15.4%	22.5	0.33%	3.34% 0.47%
	Livingston	5.4	6.6	1.9	-0.3%	16.6	0.35%	3.53%
	Llano	2.6	3.7 5.3	1.1 1.7	-0.2% -0.4%	15.7 17.2	0.18%	1.84%
	Lockhart Lockney	4.3 3.7	5.3 2.1	1.7 2.3	-0.4% -3.3%	17.2 15.9	0.29% 0.00%	2.90% 0.00%
	Lone Star	3.7	3.4	2.3 1.8	-3.3% -2.4%	16.5	0.00%	2.79%
	Longview	4.8	5.6	1.3	-2.5%	15.8	0.29%	2.92%
	Loraine Lorena	1.4 2.1	1.3 2.5	2.0 2.4	-2.8% 3.4%	16.9 19.5	0.09% 0.13%	1.08% 1.33%
	Lorenzo	2.1	2.5 1.6	2.4 1.5	3.4% -1.7%	19.5 21.2	0.13%	1.33% 1.21%
	Los Fresnos	1.9	2.4	3.4	0.8%	19.1	0.12%	1.20%
	Lott	0.6	0.6	1.8	4.7%	21.2	0.04%	0.46%
	Lovelady Lubbock	0.6 5.8	0.7 7.3	3.0 1.3	1.8% -1.9%	23.9 16.5	0.09% 0.36%	0.93% 3.63%
	Lucas	1.5	7.3 1.8	2.3	-1.9% 10.7%	16.5 24.0	0.36%	3.63% 0.92%
	Lufkin	4.9	6.3	2.5 1.5	-0.4%	16.4	0.30%	3.04%
	Luling	2.4	2.9	2.0	-0.3%	16.5	0.15%	1.52%
	Lumberton	3.8		1.8	2.5%		0.24%	2.36%
	Lyford	3.8 1.2	4.8 1.5	1.8 17.0	2.5% 7.8%	18.2 15.9	0.24%	2.36% 0.80%
	Lytle	2.6	3.3	7.7	4.4%	19.3	0.18%	1.75%
	Madisonville	2.4	3.0	1.6	0.5%	16.9	0.15%	1.53%
	Magnolia	1.0	1.0	2.7	2.7%	18.6	0.06%	0.60%

: <i>.</i>	Citable	Ratio of MVA to Covered		Ratio of Actives to	Net Cash Flow as a Percentage of Market	Duration of Liabilties	Change in Contribution Rate with 10% Decline in	Change in Contribution Rate with 10% Decline in
-	CityName	Pay	Pay	Retirees (A/R)	Value of Assets	Duration of Liabilties	Assets (Smoothed)	Assets (Unsmoothed)
	Malakoff	1.6	1.9	1.7	3.8%	16.9	0.11%	1.08%
	Manor Mansfield	0.8 3.7	1.2 4.6	10.1 2.5	9.7% 2.3%	23.6 19.9	0.05% 0.25%	0.51% 2.45%
	Manvel	1.0	1.5	5.4	15.1%	20.8	0.25%	0.66%
	Marble Falls	3.2	3.7	1.4	-0.7%	17.2	0.20%	1.98%
		1.8	1.7	1.9	-0.3%		0.12%	1.16%
	Marfa Marion	2.2	2.0	1.9 1.4	-0.3% -5.3%	15.2 15.9	0.12%	1.16%
	Marlin	2.2	2.6	1.1	-0.8%	18.1	0.14%	1.58%
	Marquez	0.2	7.1	NA	100.0%	16.0	0.01%	0.05%
	Marshall	5.9	7.1	1.0	-2.6%	15.9	0.38%	3.83%
812	Mart	2.7	2.4	1.8	-1.1%	18.6	0.17%	1.73%
	Martindale	1.2	1.6	3.0	14.2%	17.9	0.19%	1.89%
	Mason	2.7	3.1	2.5	1.6%	15.1	0.17%	1.71%
816	Matador	1.6	2.1	1.5	0.1%	13.4	0.22%	2.22%
818	Mathis	1.6	1.4	1.7	-1.5%	18.3	0.11%	1.06%
820	Maud	0.5	0.7	NA	18.4%	18.9	0.04%	0.41%
822	Maypearl	1.4	1.5	2.0	3.1%	15.3	0.15%	1.54%
824	McAllen	3.5	4.0	2.8	-0.6%	16.9	0.21%	2.13%
826	McCamey	3.1	3.1	3.0	0.8%	16.0	0.20%	2.23%
828	McGregor	2.6	2.9	1.7	2.2%	18.1	0.16%	1.61%
830	McKinney	3.1	3.9	3.6	4.1%	21.0	0.20%	1.95%
	McLean	1.9	2.1	2.0	-1.9%	14.0	0.23%	2.27%
	McLendon-Chisholm	0.5	0.5	3.5	49.7%	25.7	0.03%	0.33%
	Meadow	0.2	0.4	NA	38.8%	21.4	0.03%	0.28%
831	Meadowlakes	0.8	0.8	19.0	5.3%	17.5	0.05%	0.47%
835	Meadows Place	3.9	4.6	1.8	-0.4%	15.7	0.26%	2.60%
	Melissa	1.3	1.9	4.2	14.2%	22.0	0.09%	0.86%
	Memorial Villages PD	3.8	4.9	1.0	-4.1%	14.6	0.23%	2.34%
	Memphis	3.9	4.0	2.0	-1.3%	14.7	0.27%	2.77%
842	Menard	6.6	5.8	1.5	-4.1%	14.2	0.00%	0.00%
	Mercedes	4.1	5.4	1.9	1.5%	17.9	0.25%	2.50%
	Meridian	1.8	1.7	5.0	0.5%	18.6	0.11%	1.15%
	Merkel	2.7	3.4	1.8	2.0%	18.0	0.19%	1.95%
	Mertzon	1.3	2.5	2.5	3.2%	17.4	0.15%	1.51%
	Mesquite	5.5	6.7	1.4	-2.9%	15.8	0.34%	3.39%
	Mexia	3.9	4.5	1.6	-0.3%	18.8	0.24%	2.36%
	Miami	1.1	1.7	NA 1.3	26.2%	12.4	0.17%	1.71%
	Midland	5.6	6.7	1.2	-2.7%	15.9	0.36%	3.63%
	Midlothian Milano	2.7 0.5	3.4 0.8	2.6 NA	4.5% 26.0%	21.8 10.2	0.17% 0.09%	1.70% 0.90%
	Miles	2.2	1.8	3.0	-0.3%	14.5	0.00%	0.52%
	Milford Mineola	2.8	3.4 3.2	1.2 1.6	0.1% -1.6%	16.2 17.0	0.30% 0.19%	2.98% 1.96%
	Mineral Wells	3.1 3.7	4.2	1.4	-1.6% -2.7%	16.3	0.19%	2.33%
	Mission	2.8	3.3	3.5	0.7%	19.3	0.17%	1.71%
		4.2	4.8	1.8	-1.3%	17.2	0.26%	2.62%
	Missouri City Monahans	3.4	3.9	2.7	0.3%	16.4	0.21%	2.02% 2.14%
	Mont Belvieu	3.0	4.0	3.1	1.9%	19.4	0.19%	1.87%
	Montgomery	1.1	1.0	2.6	3.8%	21.6	0.07%	0.71%
	Moody	1.6	1.8	3.0	-1.8%	15.1	0.13%	1.26%
883	Morgan's Point	4.9	5.3	0.7	-1.6%	16.1	0.41%	4.15%
	Morgan's Point Resort	2.7	3.1	1.2	4.2%	20.1	0.19%	1.89%
	Morton	6.6	6.5	3.0	0.5%	15.7	0.41%	4.93%
	Moulton	5.2	5.5	0.8	-1.8%	14.3	0.43%	4.29%
890	Mount Enterprise	2.1	2.2	1.0	-2.5%	11.6	0.40%	3.98%
892	Mt. Pleasant	3.9	4.9	1.6	2.0%	19.0	0.25%	2.48%
	Mt. Vernon	3.6	4.2	1.4	1.0%	18.7	0.22%	2.24%
	Muenster	3.3	2.9	1.2	-3.0%	13.5	0.21%	2.09%
	Muleshoe	5.9	7.7	1.2	-0.9%	15.5	0.38%	3.78%
901	Munday	0.9	1.3	2.0	7.3%	18.7	0.10%	0.96%
903	Murphy	2.4	2.9	3.1	6.2%	22.0	0.15%	1.51%
	Nacogdoches	5.1	6.3	1.4	1.0%	16.6	0.32%	3.21%
	Naples	1.7	1.5	1.3	-1.8%	14.5	0.10%	0.98%
	Nash	2.0	3.4	2.5	8.2%	21.0	0.13%	1.32%
905	Nassau Bay	3.0	4.2	1.5	4.3%	18.3	0.18%	1.84%
909	Natalia	0.7	0.9	5.0	8.3%	16.3	0.07%	0.66%
	Navasota	3.7	4.1	1.4	-1.8%	17.6	0.23%	2.34%
	Nederland	6.7	6.8	1.2	-3.7%	15.0	0.42%	4.23%
	Needville	3.0	3.3	2.0	0.6%	13.6	0.21%	2.10%
914	New Boston	2.7	2.7	2.3	-1.9%	15.3	0.17%	1.74%
10916	New Braunfels	3.2	4.4	2.4	3.5%	20.4	0.21%	2.07%
	New Braunfels Utilities	3.9	5.0	2.4	1.6%	18.3	0.25%	2.49%
	New Deal	1.5	1.3	2.0	1.9%	13.0	0.11%	1.11%
	New Fairview	1.2	2.1	1.0	11.4%	25.1	0.26%	2.62%
918	New London	3.1	3.2	2.0	1.1%	16.0	0.20%	2.85%
	New Summerfield	1.4	1.5	1.8	2.6%	23.2	0.10%	1.27%
	New Waverly	2.7	3.1	1.3	-0.7%	12.5	0.39%	3.92%
012	Newark	0.3	0.4	6.0	10.3%	23.8	0.03%	0.30%
	Newton	4.9	6.7	1.4	0.6%	16.8	0.30%	3.03%

City#	CityNamo	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 Liabilties	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
·	CityName	,	,				,	,
	Nocona Nolanville	3.0 0.3	3.7 0.4	1.3 8.0	0.5% 19.2%	16.9 24.7	0.20% 0.02%	2.00% 0.22%
	Normangee	2.0	1.4	1.3	-7.6%	18.6	0.12%	1.22%
	North Richland Hills	6.1	7.2	1.4	-1.7%	17.5	0.38%	3.82%
930	Northlake	1.3	1.6	8.3	12.9%	23.3	0.08%	0.81%
935	O'Donnell	1.7	2.2	1.5	-0.3%	12.7	0.27%	2.74%
	Oak Point	1.4	1.7	3.9	8.4%	22.2	0.09%	0.90%
	Oak Ridge North	3.3	3.9	3.2	1.1%	18.6	0.21%	2.15%
	Odem	1.9	2.8	1.5	-4.7%	13.6	0.13%	1.30%
944	Odessa	5.3	6.5	1.3	-2.1%	16.1	0.34%	3.38%
945	Oglesby	1.3	1.4	1.0	-5.3%	16.9	0.22%	2.70%
	Old River-Winfree	2.0	1.3	NA	2.6%	16.4	0.00%	0.00%
950	Olmos Park	3.0	3.0	0.9	-3.4%	17.2	0.19%	1.93%
951	Olney	1.5	1.6	2.6	-1.3%	16.8	0.11%	1.08%
953	Omaha	1.1	1.5	6.0	6.6%	14.4	0.13%	1.28%
954	Onalaska	0.8	0.7	3.0	-7.9%	22.5	0.04%	0.47%
958	Orange	7.2	8.3	1.1	-1.6%	15.8	0.45%	4.46%
960	Orange Grove	3.3	3.3	1.8	-2.3%	16.9	0.21%	2.52%
	Ore City	1.1	1.1	3.0	-2.0%	20.0	0.06%	0.82%
962	Overton	2.1	2.0	1.8	-0.1%	18.5	0.13%	1.29%
961	Ovilla	2.2	2.6	1.9	4.4%	19.9	0.14%	1.43%
	Oyster Creek	2.5	3.0	1.4	2.3%	16.8	0.16%	1.63%
	Paducah	7.6	6.7	0.3	-5.3%	12.5	0.00%	0.61%
	Palacios	3.5	4.6	1.6	2.1%	16.4	0.21%	2.13%
968	Palestine	4.2	5.5	1.0	-2.1%	16.8	0.26%	2.62%
	Palmer	1.5	2.0	3.3	1.3%	25.2	0.10%	0.97%
969	Palmhurst	0.7	0.8	6.3	16.6%	24.2	0.04%	0.43%
	Palmview	0.6	0.7	16.8	6.0%	25.1	0.03%	0.33%
	Pampa	4.4	6.4	1.0	-1.2%	16.1	0.27%	2.73%
974	Panhandle	3.2	4.1	1.6	0.1%	16.8	0.21%	2.09%
973	Panorama Village	3.0	3.1	0.9	0.2%	13.2	0.25%	2.49%
	Pantego	4.8	6.1	0.8	-2.7%	16.8	0.34%	3.40%
	Paris	4.9	5.4	1.1	-2.7%	14.5	0.31%	3.09%
	Parker	1.9	2.7	2.8	4.4%	17.6	0.12%	1.21%
978	Pasadena	6.3	7.2	1.4	-1.5%	15.8	0.41%	4.08%
	Pearland	2.8	3.4	3.0	3.5%	21.4	0.18%	1.76%
	Pearsall	2.3	2.7	2.8	-1.3%	17.0	0.14%	1.42%
	Pecos City	2.3	2.5	1.9	-0.2%	16.9	0.16%	1.55%
	Pelican Bay	0.1	0.5	NA	82.8%	26.0	0.01%	0.09%
991	Penitas	0.3	0.4	36.0	35.4%	28.8	0.02%	0.19%
994	Perryton	5.1	6.1	2.2	0.3%	15.7	0.32%	3.24%
	Pflugerville	2.6	3.3	4.0	4.5%	21.3	0.16%	1.63%
	Pharr	2.5	3.0	2.8	0.8%	19.2	0.16%	1.58%
	Pilot Point	1.6	2.0	2.4	3.5%	21.6	0.10%	1.04%
1005	Pinehurst	3.9	5.4	0.7	-0.1%	17.1	0.28%	2.76%
	Pineland	4.9	5.3	2.3	-0.7%	14.8	0.33%	3.35%
	Piney Point Village	1.1	1.2	1.0	7.4%	14.8	0.15%	1.49%
	Pittsburg	4.7	5.5	1.7	-1.1%	17.1	0.33%	3.26%
	Plains Plainview	5.1 5.9	5.3 6.7	1.6 1.2	-2.6% -2.0%	14.0 15.7	0.31% 0.40%	4.42% 3.99%
	Plano	5.5	6.5	1.9	0.1%	17.7	0.34%	3.44%
	Pleasanton Point	2.8	3.9 1.5	2.3 3.7	2.6%	19.3 25.3	0.18%	1.77% 1.11%
	Point Ponder	1.2 1.2	1.5 1.4	3. <i>7</i> 4.7	13.9% 8.1%	25.3 15.8	0.11% 0.09%	1.11% 0.88%
	Port Aransas	2.2	2.8	4.7 2.1	2.8%	18.5	0.09%	1.40%
	Port Arthur Port Isabel	4.7 2.1	5.8 2.1	1.1 2.5	-1.8% -0.8%	15.5 19.9	0.29% 0.13%	2.92% 1.34%
	Port Isabei Port Lavaca	2.1	3.2	2.5 1.2	-0.8% -3.9%	19.9 17.5	0.13%	1.34%
	Port Lavaca Port Neches	6.0	6.9	1.2 1.1	-3.9% -4.2%	15.8	0.17%	3.90%
	Portland	3.1	4.1	2.0	2.1%	18.2	0.19%	1.92%
		2.1	3.2	1.4	-0.3%	15.3	0.13%	
1024 1026	Post Poteet	1.5	3.2 1.4	1.4 2.2	-0.3% -6.8%	15.3 18.0	0.13%	1.32% 1.00%
1028		1.3	1.4	2.2 2.5	-6.8% -4.0%	14.6	0.10%	1.20%
	Pottsboro	1.4	1.5	1.8	8.6%	20.3	0.09%	0.90%
	Prairie View	0.1	0.5	NA	82.8%	19.7	0.01%	0.10%
		1.8	1.3	1.8	-8.1%	13.4	0.00%	
	Premont Presidio	1.8	1.3 1.0	7.0	-8.1% 3.6%	13.4 17.6	0.00%	0.00% 0.67%
	Primera	1.0	1.0	7.0 4.5	-1.3%	17.6 17.4	0.07%	0.68%
	Princeton	1.4	1.6	4.6	8.7%	23.2	0.09%	0.90%
	Prosper	1.3	1.6	9.9	13.8%	25.2	0.08%	0.84%
	Providence Village	0.3	0.5	NA	38.9%	21.8	0.03%	0.32%
	Quanah	5.6	0.5 6.3	NA 0.7	-3.2%	21.8 14.6	0.03%	5.18%
	Queen City	1.7	1.6	4.0	3.7%	16.5	0.10%	1.11%
	Quinlan	1.0	1.1	9.0	12.2%	26.2	0.07%	0.68%
	Quintana	0.5	0.6	NA	13.2%	18.4	0.08%	0.85%
	Quitaque	1.7	2.0	4.0	0.9%	14.7	0.24%	2.36%
	Quitman	4.1	4.3	4.0 2.3	0.8%	16.9	0.24%	2.57%
	Ralls	4.1	4.7	1.1	-4.5%	14.0	0.38%	3.77%
	Rancho Viejo	4.6	5.0	5.0	-2.6%	17.6	0.40%	4.04%
	Ranger	2.3	2.3	3.0	3.5%	20.7	0.17%	1.63%

C'. 11	CI Name	Ratio of MVA to Covered		Ratio of Actives to	Net Cash Flow as a Percentage of Market	Duration of Liabilties	Change in Contribution Rate with 10% Decline in	Change in Contribution Rate with 10% Decline in
-	CityName	Pay	Pay	Retirees (A/R)	Value of Assets	Duration of Liabilties	Assets (Smoothed)	Assets (Unsmoothed)
	Rankin	3.4	3.5	0.8	-6.8%	13.1	0.20%	4.10%
	Ransom Canyon Raymondville	2.4 4.1	3.7 3.8	4.0 1.4	6.7% -4.2%	16.2 16.4	0.20% 0.26%	2.04% 2.56%
	Red Oak	1.3	1.6	3.5	6.7%	22.0	0.08%	0.83%
	Redwater	1.0	1.1	NA	10.2%	18.5	0.11%	1.14%
1064	Refugio	2.1	1.6	1.6	-2.6%	15.5	0.00%	0.00%
	Reklaw	5.5	6.7	1.7	2.1%	15.0	0.69%	6.88%
1066	Reno (Lamar County)	1.9	1.8	14.0	4.3%	22.1	0.12%	1.20%
1069	Reno (Parker County)	0.5	0.5	3.4	13.9%	23.0	0.03%	0.36%
1067	Rhome	1.5	1.6	1.7	4.2%	21.1	0.10%	1.03%
1068	Rice	0.7	0.7	6.0	6.3%	22.2	0.04%	0.47%
	Richardson	6.3	7.4	1.4	-1.6%	15.9	0.40%	3.95%
	Richland Hills	5.6	6.6	0.8	-4.2%	16.8	0.36%	3.62%
	Richland Springs Richmond	6.3 4.2	3.5 5.1	0.5 2.1	-4.5% 0.8%	12.2 19.4	0.00% 0.27%	0.00% 2.68%
	Richwood	2.7	3.3	1.5	-0.8%	18.4	0.17%	1.70%
	Riesel Rio Grande City	0.9 1.7	1.4 2.0	3.5 6.8	10.1% 3.8%	19.8 22.0	0.10% 0.10%	1.03% 1.02%
	Rio Vista	2.0	2.3	3.5	1.8%	17.7	0.10%	2.09%
	Rising Star	1.0	0.7	7.0	3.6%	18.5	0.06%	0.59%
	River Oaks	4.8	5.7	1.1	-0.2%	17.5	0.30%	3.01%
	Roanoke	2.9	3.8	5.0	6.7%	21.8	0.30%	1.86%
	Robert Lee	0.9	1.4	2.0	-29.8%	18.8	0.10%	1.04%
	Robinson	2.8	3.9	3.4	3.2%	18.3	0.18%	1.82%
21090	Robstown	2.6	2.9	1.8	-3.5%	18.7	0.16%	1.63%
11090	Robstown Utility Systems	5.5	6.9	1.1	-2.2%	14.3	0.34%	3.43%
	Roby	9.1	9.2	0.5	-5.1%	13.5	0.68%	12.36%
	Rockdale	2.4	2.9	2.0	3.1%	16.8	0.15%	1.51%
	Rockport	4.4	5.7	1.6	0.3%	16.7	0.26%	2.58%
1100	Rocksprings	1.8	1.7	3.5	-1.6%	16.2	0.11%	1.17%
1102	Rockwall	4.0	4.8	2.5	1.6%	19.2	0.25%	2.49%
	Rogers	2.3	2.8	1.3	0.7%	17.4	0.24%	2.39%
	Rollingwood	2.2	2.7	1.8	1.8%	19.2	0.16%	1.61%
	Roma Roscoe	2.9 1.6	3.5 1.7	2.8 2.7	2.6% 3.1%	18.6 14.0	0.18% 0.17%	1.77% 1.73%
	Rosebud	0.6	0.7	2.0	6.8%	17.4	0.04%	0.50%
	Rosenberg Rotan	3.7 2.2	4.9 1.7	1.6 6.0	0.0% 2.1%	20.2 16.4	0.24% 0.00%	2.36% 0.00%
	Round Rock	3.6	4.5	2.9	3.1%	20.2	0.23%	2.31%
	Rowlett	4.3	5.2	1.7	0.8%	18.2	0.28%	2.76%
	Royse City	1.8	2.5	3.6	10.5%	22.2	0.12%	1.17%
1122		3.4	3.0	3.0	-22.1%	14.5	0.21%	2.11%
	Runaway Bay	1.1	1.0	1.8	-0.5%	16.4	0.08%	0.78%
1124	Runge	4.8	6.4	3.0	3.1%	13.3	0.71%	7.05%
1126	Rusk	2.4	2.5	2.4	1.9%	18.7	0.15%	1.49%
1128	Sabinal	2.4	2.5	1.7	-1.7%	13.1	0.18%	1.97%
1129	Sachse	2.7	3.5	1.8	4.0%	21.1	0.18%	1.77%
	Saginaw	3.4	5.1	2.7	3.3%	19.2	0.22%	2.15%
	Saint Jo	3.4	2.9	0.8	-11.4%	16.5	0.21%	2.09%
	Salado	1.2	1.1	2.0	7.5%	20.8	0.09%	0.82%
	San Angelo	5.3	6.8	1.1	-1.8%	15.8	0.34%	3.43%
	San Antonio San Antonio Water System	3.7 1.7	4.5 2.0	1.5 1.3	-1.4% -0.9%	15.7	0.23%	2.33%
	San Augustine	4.3	4.7	1.3	0.4%	15.9 16.4	0.11% 0.27%	1.07% 2.69%
	San Benito	2.0	2.4	1.7	-1.8%	17.1	0.13%	1.25%
	San Felipe	1.4	1.8	1.3	1.8%	16.3	0.20%	2.03%
	San Juan	1.5	1.6	3.7	1.2%	19.4	0.10%	0.95%
	San Marcos	4.0	5.2	2.1	1.7%	18.5	0.25%	2.53%
	San Saba	3.1	3.7	1.9	-1.1%	17.2	0.19%	1.92%
1146	Sanger	2.3	2.8	3.7	3.1%	19.4	0.15%	1.47%
1153	Sansom Park	1.7	1.7	2.1	3.7%	22.2	0.12%	1.14%
	Santa Fe	3.4	4.4	2.0	-0.7%	17.3	0.21%	2.10%
	Savoy	2.9	2.3	1.0	-0.2%	16.5	0.00%	1.13%
	Schulanhurg	2.7	3.8	3.0	4.7%	21.2	0.18%	1.76%
	Schulenburg	6.3	8.0	1.4	-1.8%	15.8	0.41%	4.11%
	Seabrook	4.9	6.0	1.3	-0.7%	16.7	0.30%	3.01%
	Seadrift Seagoville	1.1 3.3	1.4 4.0	4.3 1.8	7.0% 2.0%	17.3 17.4	0.08% 0.21%	0.80% 2.09%
	Seagraves	2.5	4.0 3.1	1.8 1.2	-3.3%	17.4 15.6	0.21%	2.09% 1.73%
	Sealy	4.3	5.4	2.0	1.8%	18.8	0.17%	2.61%
	Seguin	3.6	5.4	1.5	1.3%	17.8	0.22%	2.24%
	Selma	2.9	3.7	3.9	4.8%	22.4	0.22%	1.83%
	Seminole	5.0	5.8	1.7	-1.9%	16.3	0.31%	3.11%
1171	Seven Points	2.6	1.4	2.7	0.9%	20.4	0.16%	1.60%
1172	Seymour	3.3	3.9	1.2	-1.8%	14.8	0.22%	2.25%
1165	Shady Shores	0.6	0.7	NA	28.1%	23.3	0.09%	0.90%
	Shallowater	2.3	2.4	2.3	0.8%	17.3	0.17%	1.74%
	Shamrock	2.8	3.7	0.6	-5.9%	12.8	0.22%	2.16%
	Shavano Park	2.4	2.9	1.7	6.7%	22.5	0.16%	1.58%
	Shenandoah	3.0	4.4	2.2	3.7%	20.9	0.18%	1.81%

City#	CityNama	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 Liabilties	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
-	CityName	·	·				,	·
	Shepherd Sherman	1.9 4.9	1.6 6.0	5.5 1.3	0.4% -1.8%	15.8	0.12% 0.32%	1.19% 3.16%
	Shiner	2.8	3.5	2.0	-2.0%	16.6 14.6	0.32%	3.16% 1.74%
	Shoreacres	2.8	2.7	1.4	-2.7%	16.1	0.18%	1.85%
	Silsbee	4.6	6.3	1.2	-1.8%	16.5	0.29%	2.87%
	Silverton	5.2	5.5	1.3	-5.8%	14.0	0.37%	6.78%
	Simonton	0.1	0.3	NA	100.0%	27.8	0.00%	0.03%
	Sinton	3.4	4.4	2.0	0.1%	18.8	0.21%	2.12%
	Skellytown	1.8	1.5	3.0	0.8%	17.1	0.11%	1.03%
	Slaton	3.7	4.0	1.5	-4.8%	16.0	0.24%	2.37%
	Smithville	2.2	2.6	2.0	1.9%	17.2	0.14%	1.39%
	Smyer	2.8	3.1	NA	6.1%	14.7	0.46%	4.59%
	Snyder	5.5	6.4	1.4	-2.2%	16.3	0.35%	3.46%
	Somerset	0.8	0.8	3.0	4.2%	20.8	0.05%	0.50%
	Somerville	2.2	2.1	1.2	0.8%	15.8	0.13%	1.36%
110/	Sonora	3.6	4.1	1.0	-3.6%	16.3	0.22%	2.21%
	Sour Lake	1.8	1.7	3.3	3.5%	17.5	0.11%	1.14%
	South Houston	4.2	4.7	2.1	0.1%	16.2	0.26%	2.64%
	South Padre Island	3.7	4.2	2.5	1.6%	20.1	0.24%	2.35%
	Southlake	3.6	4.3	2.9	2.5%	19.8	0.23%	2.28%
1200	Southmayd	0.3	0.5	9.0	36.1%	23.2	0.03%	0.27%
	Southside Place	2.9	3.6	9.0 1.6	1.2%	25.2 17.5	0.19%	1.88%
	Spearman	4.8	5.5	1.1	-1.6%	16.0	0.15%	3.10%
	Splendora	0.1	0.6	24.0	77.0%	21.6	0.01%	0.09%
	Spring Valley Village	3.7	4.1	1.1	-1.8%	15.7	0.23%	2.34%
	Springtown	3.0	2.9	1.8	1.8%	20.4	0.18%	1.84%
1203	' -	2.6	3.0	1.8 3.7	-0.1%	20.4 15.8	0.18%	1.84% 2.15%
	Stafford	3.6	4.3	2.2	1.1%	19.8	0.21%	2.25%
	Stamford	3.3	3.4	1.1	-2.2%	15.0	0.22%	2.23%
	Stanton	2.6	3.1	2.6	1.9%	17.1	0.16%	1.57%
	Star Harbor	4.8	5.4	0.8	-2.3%	15.8	0.61%	6.11%
	Stephenville	4.4	4.6	1.7	-1.5%	16.6	0.27%	2.77%
	Sterling City	1.9	2.0	1.5	-0.1%	15.6	0.20%	2.30%
	Stinnett	3.1	2.7	1.8	-2.7%	15.0	0.00%	1.01%
	Stockdale	0.4	0.7	8.0	19.5%	16.9	0.04%	0.44%
1218	Stratford	1.7	1.7	1.2	3.0%	18.8	0.10%	1.25%
	Sudan	1.9	1.8	2.7	1.6%	16.2	0.13%	1.31%
	Sugar Land	4.1	4.9	3.3	2.7%	19.6	0.25%	2.51%
	Sulphur Springs	4.5	5.0	1.3	-2.4%	14.9	0.28%	2.82%
	Sundown	5.1	6.2	0.9	-1.1%	15.3	0.39%	3.95%
1229	Sunnyvale	2.2	2.6	2.6	3.9%	20.5	0.14%	1.36%
	Sunray	3.9	4.9	0.9	0.1%	16.5	0.40%	4.03%
	Sunrise Beach Village	0.6	0.7	3.3	6.6%	20.8	0.04%	0.58%
1231	Sunset Valley	2.8	3.5	4.4	3.4%	21.6	0.18%	1.78%
1233	Surfside Beach	0.9	0.8	10.0	3.6%	17.7	0.05%	0.53%
1232	Sweeny	4.4	5.8	1.3	-4.2%	15.4	0.26%	2.61%
	Sweetwater	4.7	6.1	1.3	-0.6%	16.1	0.30%	3.03%
	TMRS	3.3	4.2	3.3	3.7%	17.4	0.21%	2.11%
1236	Taft	2.9	3.9	1.4	-2.4%	16.9	0.19%	1.86%
1238	Tahoka	4.0	3.4	1.7	-2.5%	14.4	0.00%	1.69%
1240	Talty	0.3	0.9	4.0	41.1%	14.4	0.04%	0.45%
	Tatum	0.9	1.0	2.5	0.8%	18.4	0.08%	0.84%
	Taylor	3.1	4.0	1.5	0.5%	18.6	0.20%	2.00%
	Teague	3.5	3.6	0.9	-1.1%	17.4	0.21%	2.12%
1252	Temple	4.9	6.2	1.6	-0.9%	17.1	0.31%	3.12%
1254	Tenaha	1.2	1.0	1.7	-8.1%	18.1	0.07%	0.71%
	Terrell	4.9	6.0	1.4	0.0%	17.9	0.30%	3.02%
	Terrell Hills	4.2	5.4	1.7	0.1%	19.9	0.27%	2.66%
31263	Tex Municipal League IEBP	2.7	3.1	5.4	1.9%	15.6	0.19%	1.93%
	Tex Municipal League IRP	5.8	6.2	3.0	1.0%	16.4	0.36%	3.62%
21260	Texarkana	5.3	6.5	1.1	-2.4%	15.3	0.35%	3.53%
	Texarkana Police Dept	6.6	7.8	1.2	-1.8%	18.4	0.42%	4.18%
	Texarkana Water Utilities	5.0	6.3	1.4	-1.8%	16.5	0.30%	3.03%
	Texas City	5.5	6.8	1.3	-2.2%	16.2	0.35%	3.52%
11263	Texas Municipal League	5.9	7.2	1.3	-0.1%	15.5	0.41%	4.06%
1267	The Colony	3.4	4.1	1.8	1.4%	18.7	0.22%	2.18%
	Thompsons	1.6	1.9	3.0	4.5%	14.7	0.23%	2.29%
	Thorndale	3.2	3.6	0.9	-0.4%	14.3	0.35%	3.49%
1272	Thrall	0.6	0.8	NA	22.9%	16.5	0.08%	0.80%
1274	Three Rivers	2.7	4.8	2.1	5.8%	17.3	0.16%	1.62%
1276	Throckmorton	4.6	4.8	0.7	-3.6%	16.4	0.29%	5.28%
	Tiki Island	1.2	1.4	8.0	6.4%	17.4	0.12%	1.23%
	Timpson	2.4	2.4	3.0	2.0%	14.2	0.15%	1.93%
	Tioga	1.1	1.0	NA	7.3%	20.6	0.06%	0.75%
	Tolar	2.3	2.5	1.7	1.0%	16.8	0.26%	2.63%
1286	Tom Bean	1.0	0.9	4.0	7.2%	21.5	0.07%	0.64%
	Tomball	3.3	4.1	2.0	1.0%	19.2	0.21%	2.06%
	Trent	2.5	2.7	2.0	5.9%	10.8	0.42%	4.22%
	Trenton	1.9	1.8	1.3	-1.2%	14.7	0.14%	1.42%
	Trinidad	1.9	2.1	1.3	-0.9%	11.8	0.26%	2.63%

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 Liabilties	Change in Contribution Rate with 10% Decline in Assets (Smoothed)	Change in Contribution Rate with 10% Decline in Assets (Unsmoothed)
	, Trinity	1.8	2.0	2.8	2.9%	20.3	0.11%	1.06%
	Trophy Club -	3.4	4.0	2.1	2.3%	19.1	0.21%	2.12%
1296 1297	Troup Trov	1.5 1.3	1.7 1.5	1.9 1.4	1.9% 12.0%	20.4 17.2	0.09% 0.11%	0.90% 1.11%
1297	•	5.7	6.3	1.3	-2.7%	16.5	0.35%	3.54%
	Turkey	1.6	2.1	0.7	-8.4%	12.2	0.20%	2.04%
1301		1.3	1.6	2.5	5.3%	17.3	0.10%	0.98%
1304	•	5.3	7.2	1.2	-0.8%	16.5	0.33%	3.26%
	Universal City	3.6	5.1	2.0	2.8%	18.4	0.23%	2.27%
1306	University Park	5.6	6.2	1.4	-1.7%	14.0	0.34%	3.43%
	Uvalde	2.3	2.6	2.3	-0.3%	18.6	0.14%	1.44%
	Valley Mills	0.2	0.3	NA 5.0	25.9%	21.1	0.02%	0.22%
1313	Valley View Van	0.3 2.7	0.3 2.8	5.0 2.0	12.2% 2.2%	23.5 16.6	0.02% 0.17%	0.28% 1.71%
	Van Alstyne	2.5	3.0	2.4	3.8%	23.7	0.16%	1.64%
	van Horn	3.2	3.8	1.6	0.1%	17.3	0.23%	2.31%
1320		5.9	7.5	1.5	-2.6%	14.8	0.65%	6.50%
	Venus	1.6	1.7	2.3	8.0%	22.9	0.10%	0.98%
1326	Vernon	5.0	6.1	1.3	-3.0%	15.9	0.30%	3.00%
1328	Victoria	5.0	6.6	1.2	-2.1%	16.8	0.31%	3.10%
1329	Vidor	5.0	5.9	1.4	-0.8%	16.4	0.31%	3.10%
	Village Fire Department	4.8	5.4	1.7	-2.7%	16.2	0.31%	3.12%
	Village of the Hills	0.2	0.2	NA 1.4	60.5%	22.7	0.04%	0.39%
1330 1332	Waco Waelder	5.0 1.4	6.1 1.5	1.4 3.8	-2.1% 1.5%	15.2 18.5	0.32% 0.09%	3.24% 0.90%
	Wake Village Waller	3.3 2.0	4.1 2.1	1.2 1.6	0.0% -2.2%	17.9 14.1	0.21% 0.12%	2.08% 1.18%
	Wallis	1.9	1.9	3.2	1.4%	16.7	0.12%	1.25%
	Walnut Springs	1.6	1.8	1.0	0.3%	15.9	0.27%	2.69%
1340	Waskom	2.4	3.1	2.0	0.9%	15.7	0.18%	1.80%
1341	Watauga	4.5	5.4	1.6	0.9%	18.5	0.29%	2.95%
	Waxahachie	3.5	4.6	2.1	1.8%	18.5	0.23%	2.27%
	Weatherford	4.7	5.6	1.6	0.0%	17.8	0.30%	2.97%
	Webster	4.4 5.4	5.5 6.5	1.5 1.0	0.8%	18.5 14.7	0.29%	2.91%
	Weimar				-0.5%		0.36%	3.56%
1350 1352	Wellington	7.1 1.7	7.5 1.8	1.0 3.0	-3.7% -0.6%	11.4 20.0	0.45%	5.45%
	Weslaco	3.5	4.1	3.0 1.4	-0.6% -1.5%	20.0 16.8	0.13% 0.25%	1.86% 2.47%
1356		2.7	2.5	1.7	-1.5%	16.0	0.18%	1.75%
	West Columbia	3.0	2.8	1.5	-1.8%	14.8	0.19%	1.85%
1359	West Lake Hills	4.3	5.4	0.7	-0.2%	18.0	0.27%	2.71%
	West Orange	6.6	8.4	1.3	-0.8%	15.3	0.40%	4.04%
1365	West Tawakoni	2.0	2.6	1.6	0.8%	17.6	0.15%	1.47%
	West Univ. Place	4.5	5.5	1.2	-1.5%	16.5	0.28%	2.77%
1363	Westlake	1.7	2.2	3.9	10.1%	20.2	0.11%	1.08%
	Westover Hills	1.5	1.6	1.0	-2.6%	16.5	0.09%	0.93%
	Westworth Village	2.1	2.5	2.4	4.9%	20.6	0.14%	1.37%
	Wharton Wheeler	2.8 4.4	3.1 4.8	2.5 2.3	0.4% -3.2%	16.3 17.4	0.17% 0.45%	1.75% 4.46%
	White Deer	2.0	2.9	0.8	-3.1%	12.5	0.26%	2.62%
	White Oak	5.3	6.0	1.4	-0.2%	16.7	0.33%	3.35%
	White Settlement	3.9	5.2	1.3	1.3%	17.8	0.25%	2.45%
1374	Whiteface	5.8	5.5	2.0	0.5%	15.1	0.36%	3.63%
	Whitehouse	2.5	3.0	2.2	1.1%	20.8	0.15%	1.53%
	Whitesboro	3.3	3.7	1.8	0.5%	16.2	0.21%	2.07%
	Whitewright	1.5	1.5	2.2	0.9%	20.5	0.09%	0.97%
	Whitney Wichita Falls	1.3	1.5 6.0	1.7 1.5	3.1%	19.3	0.10%	0.96% 3.00%
	Wichita Falls Willis	4.8 2.5	6.0 2.9	1.5 2.1	-2.3% 2.2%	15.2 19.4	0.30% 0.15%	3.00% 1.54%
	Willow Park	0.8	1.0	3.7	12.6%	23.2	0.06%	0.57%
	Wills Point	3.4	4.3	1.4	-1.0%	16.5	0.23%	2.30%
	Wilmer	1.5	1.6	2.1	4.0%	19.5	0.23%	1.07%
	Wimberley	0.8	1.1	2.0	15.5%	22.1	0.07%	0.68%
1393	Windcrest	2.6	2.9	1.4	1.4%	18.0	0.17%	1.68%
1395	Winfield	1.0	1.1	NA	-7.8%	15.5	0.14%	1.42%
1396		2.0	2.1	3.3	4.1%	16.4	0.19%	1.90%
	Winnsboro	2.9	3.4	1.6	-0.4%	16.2	0.18%	1.83%
	Winters	4.2	2.8	2.5	-3.6%	17.6	0.24%	2.38%
	Winters Wolfforth	5.6 2.2	6.3 3.1	0.9 4.7	-7.0% 4.4%	15.4 18.9	0.41% 0.15%	4.06% 1.46%
	Woodchoro	0.8	0.9	1.5	3.0%	10.3	0.14%	1.37%
	Woodsboro Woodville	1.5 4.6	1.2 5.8	4.0 2.5	-1.4% 2.3%	20.0 18.2	0.10% 0.29%	0.97% 2.86%
	Woodway	4.4	5.8 5.5	2.0	-1.2%	18.5	0.29%	2.80% 2.77%
	Wortham	2.2	2.2	2.0	2.1%	23.4	0.14%	1.70%
	Wylie	2.8	3.7	3.1	5.0%	21.6	0.17%	1.72%
	Yoakum	5.3	6.7	1.4	-1.5%	15.3	0.34%	3.37%
	Yorktown	3.7	3.9	0.8	-6.6%	11.9	0.22%	3.17%
4 4 4 5	Zavalla	2.3	1.8	9.0	2.7%	18.9	0.16%	1.56%

INDIVIDUAL CITY REPORTS

	Abernathy	Abilene	Addison	Agua Dulce	Alamo	Alamo Heights	Alba
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$585,223	\$121,510,252	\$46,653,478	\$51,351	\$5,442,081	\$10,508,557	\$301,432
b. Noncontributing Members	331,724	25,827,657	15,540,610	0	1,586,560	3,705,799	4,423
c. Annuitants	460,598	157,420,840	68,043,637	0	3,798,408	12,974,241	36,870
2. Total Actuarial Accrued Liability	\$1,377,545	\$304,758,749	\$130,237,725	\$51,351	\$10,827,049	\$27,188,597	\$342,725
3. Actuarial value of assets	1,258,369	278,782,304	124,221,190	16,396	9,824,966	20,833,283	340,234
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$119,176	\$25,976,445	\$6,016,535	\$34,955	\$1,002,083	\$6,355,314	\$2,491
5. Funded Ratio: (3) / (2)	91.3%	91.5%	95.4%	31.9%	90.7%	76.6%	99.3%
6. Annual Payroll	\$671,308	\$52,834,764	\$20,199,105	\$101,420	\$5,194,337	\$5,567,671	\$227,850
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	2.64%	7.63%	8.43%	2.13%	4.99%	9.88%	1.76%
Prior Service	1.21%	3.42%	2.63%	5.64%	1.31%	7.03%	0.20%
Total Retirement	3.85%	11.05%	11.06%	7.77%	6.30%	16.91%	1.96%
Supplemental Death	0.27%	0.25%	0.16%	0.16%	0.19%	0.22%	0.21%
Total Rate	4.12%	11.30%	11.22%	7.93%	6.49%	17.13%	2.17%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	N/A	15.50%	N/A	9.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	21.3 years	20.7 years	14.8 years	7.0 years	21.3 years	24.9 years	6.3 years
Number of annuitants	7	840	208	0	41	78	1
Number of active contributing members	16	1,026	263	4	147	97	5
Number of inactive members	36	574	227	0	104	88	1
Average age of contributing members	43.4 years	44.0 years	40.6 years	50.5 years	40.7 years	42.7 years	53.0 years
Average length of service of contributing members	7.3 years	10.4 years	11.2 years	4.9 years	8.7 years	12.1 years	13.4 years

	Albany	Aledo	Alice	Allen	Alpine	Alto	Alton
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$684,271	\$412,846	\$17,699,485	\$131,031,772	\$3,214,310	\$360,794	\$4,128,041
b. Noncontributing Members	22,021	197,683	2,825,295	27,756,863	622,047	328,611	753,843
c. Annuitants	313,764	318,299	19,788,815	54,452,875	2,564,362	405,623	1,012,003
2. Total Actuarial Accrued Liability	\$1,020,056	\$928,828	\$40,313,595	\$213,241,510	\$6,400,719	\$1,095,028	\$5,893,887
3. Actuarial value of assets	891,943	891,134	40,993,138	183,986,885	7,787,008	1,043,151	5,384,325
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$128,113	\$37,694	(\$679,543)	\$29,254,625	(\$1,386,289)	\$51,877	\$509,562
5. Funded Ratio: (3) / (2)	87.4%	95.9%	101.7%	86.3%	121.7%	95.3%	91.49
6. Annual Payroll	\$629,134	\$652,967	\$9,899,224	\$50,478,372	\$3,233,807	\$456,993	\$3,157,917
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	4.06%	7.04%	5.22%	10.43%	3.51%	9.85%	12.369
Prior Service	1.42%	0.46%	-0.42%	3.57%	-2.63%	0.90%	0.989
Total Retirement	5.48%	7.50%	4.80%	14.00%	0.88%	10.75%	13.349
Supplemental Death	0.44%	0.17%	0.00%	0.15%	0.19%	0.22%	0.169
Total Rate	5.92%	7.67%	4.80%	14.15%	1.07%	10.97%	13.509
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	12.80
Statutory Maximum Rate (Total Retirement Only)	9.50%	N/A	11.50%	N/A	11.50%	13.50%	13.509
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	20.5 years	17.1 years	25.0 years	24.9 years	25.0 years	18.3 years	25.4 year
Number of annuitants	7	8	160	222	31	9	1
Number of active contributing members	16	13	206	751	79	14	8
Number of inactive members	9	12	95	467	75	20	8
Average age of contributing members	56.0 years	45.5 years	45.9 years	43.2 years	40.5 years	38.2 years	40.5 yea
Average length of service of contributing members	9.7 years	7.5 years	10.8 years	10.6 years	6.1 years	3.7 years	7.1 yea

	Alvarado	Alvin	Alvord	Amarillo	Amherst	Anahuac	Andrews
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,717,799	\$28,857,994	\$62,151	\$196,451,663	\$59,922	\$151,951	\$11,831,773
b. Noncontributing Members	744,294	8,193,988	305,985	27,226,570	13,758	410,960	1,578,539
c. Annuitants	464,194	28,091,164	74,274	259,210,438	78,699	440,040	14,172,910
2. Total Actuarial Accrued Liability	\$3,926,287	\$65,143,146	\$442,410	\$482,888,671	\$152,379	\$1,002,951	\$27,583,222
3. Actuarial value of assets	3,645,114	55,659,554	420,196	423,364,057	347,285	944,977	23,186,531
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$281,173	\$9,483,592	\$22,214	\$59,524,614	(\$194,906)	\$57,974	\$4,396,691
5. Funded Ratio: (3) / (2)	92.8%	85.4%	95.0%	87.7%	227.9%	94.2%	84.1%
6. Annual Payroll	\$2,960,650	\$11,016,971	\$310,031	\$90,633,812	\$106,016	\$385,984	\$4,641,610
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	4.75%	9.86%	4.98%	7.12%	4.33%	7.04%	8.72%
Prior Service	0.61%	7.14%	0.80%	5.09%	-4.33%	1.62%	7.26%
Total Retirement	5.36%	17.00%	5.78%	12.21%	0.00%	8.66%	15.98%
Supplemental Death	0.15%	0.16%	0.30%	0.00%	0.00%	0.15%	0.00%
Total Rate	5.51%	17.16%	6.08%	12.21%	0.00%	8.81%	15.98%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	23.5 years	16.1 years	11.0 years	17.6 years	25.0 years	12.2 years	17.9 years
Number of annuitants	12	130	3	1,160	2	5	36
Number of active contributing members	64	214	7	1,831	3	11	70
Number of inactive members	49	239	5	1,168	4	19	43
Average age of contributing members	41.8 years	40.3 years	39.0 years	43.3 years	50.3 years	39.0 years	40.7 years
Average length of service of contributing members	7.2 years	9.5 years	4.1 years	8.6 years	6.4 years	3.8 years	9.2 years

	Angleton	Anna	Annetta	Anson	Anthony	Aransas Pass	Archer City
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$13,254,531	\$4,643,845	\$34,414	\$888,865	\$632,867	\$5,027,666	\$548,840
b. Noncontributing Members	3,048,516	1,437,306	24,660	128,209	298,598	1,843,642	299,522
c. Annuitants	10,713,258	1,609,052	0	236,971	587,880	8,453,017	153,232
2. Total Actuarial Accrued Liability	\$27,016,305	\$7,690,203	\$59,074	\$1,254,045	\$1,519,345	\$15,324,325	\$1,001,594
3. Actuarial value of assets	23,574,109	6,733,647	57,927	1,329,871	1,212,975	13,288,028	928,830
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$3,442,196	\$956,556	\$1,147	(\$75,826)	\$306,370	\$2,036,297	\$72,764
5. Funded Ratio: (3) / (2)	87.3%	87.6%	98.1%	106.0%	79.8%	86.7%	92.7%
6. Annual Payroll	\$6,383,874	\$4,490,266	\$108,419	\$819,734	\$1,195,876	\$4,855,218	\$829,020
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	8.53%	12.78%	8.60%	1.14%	1.44%	7.21%	3.63%
Prior Service	3.68%	1.31%	0.22%	-0.57%	1.75%	2.58%	0.62%
Total Retirement	12.21%	14.09%	8.82%	0.57%	3.19%	9.79%	4.25%
Supplemental Death	0.23%	0.13%	0.10%	0.22%	0.15%	0.21%	0.34%
Total Rate	12.44%	14.22%	8.92%	0.79%	3.34%	10.00%	4.59%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	7.50%	N/A	N/A	9.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	21.2 years	25.1 years	5.5 years	25.0 years	21.2 years	24.9 years	20.3 years
Number of annuitants	58	10	0	7	7	52	5
Number of active contributing members	124	76	2	25	31	108	18
Number of inactive members	57	40	2	31	23	128	14
Average age of contributing members	43.9 years	39.3 years	52.2 years	43.1 years	42.5 years	39.4 years	50.4 years
Average length of service of contributing members	9.2 years	8.1 years	2.6 years	9.2 years	7.2 years	5.8 years	10.3 years

	Arcola	Argyle	Arlington	Arp	Aspermont	Athens	Atlanta
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$240,203	\$3,457,936	\$518,412,591	\$112,944	\$298,772	\$13,894,250	\$2,125,056
b. Noncontributing Members	31,003	1,065,885	93,833,494	118,914	27,147	2,516,957	500,673
c. Annuitants	0_	1,137,839	637,350,017	406,121	156,120	18,259,951	1,390,049
2. Total Actuarial Accrued Liability	\$271,206	\$5,661,660	\$1,249,596,102	\$637,979	\$482,039	\$34,671,158	\$4,015,778
3. Actuarial value of assets	140,376	5,133,084	1,084,555,626	699,835	605,619	28,444,177	4,032,140
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$130,830	\$528,576	\$165,040,476	(\$61,856)	(\$123,580)	\$6,226,981	(\$16,362)
5. Funded Ratio: (3) / (2)	51.8%	90.7%	86.8%	109.7%	125.6%	82.0%	100.4%
6. Annual Payroll	\$648,760	\$1,840,746	\$183,134,161	\$298,041	\$283,976	\$7,116,400	\$1,672,228
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	2.09%	11.56%	9.26%	2.41%	1.41%	9.05%	3.45%
Prior Service	1.96%	1.86%	6.87%	-1.27%	-1.41%	6.41%	-0.06%
Total Retirement	4.05%	13.42%	16.13%	1.14%	0.00%	15.46%	3.39%
Supplemental Death	0.18%	0.00%	0.16%	0.12%	0.20%	0.16%	0.23%
Total Rate	4.23%	13.42%	16.29%	1.26%	0.20%	15.62%	3.62%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	7.50%	7.50%	N/A	7.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	13.1 years	22.9 years	18.1 years	25.0 years	25.0 years	19.1 years	25.0 years
Number of annuitants	0	16	1,793	4	2	81	19
Number of active contributing members	14	26	2,551	7	6	121	41
Number of inactive members	7	23	1,192	12	2	70	14
Average age of contributing members	47.8 years	46.1 years	41.8 years	40.1 years	51.0 years	41.6 years	48.3 years
Average length of service of contributing members	4.1 years	12.3 years	11.1 years	4.3 years	12.8 years	9.7 years	10.6 years

	Aubrey	Avinger	Azle	Baird	Balch Springs	Balcones Heights	Ballinger
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,426,222	\$105,554	\$13,471,210	\$207,269	\$25,633,072	\$6,004,215	\$1,588,293
b. Noncontributing Members	1,025,041	0	4,145,018	217,347	4,205,275	1,529,613	275,732
c. Annuitants	286,509	0	8,148,062	276,734	9,373,662	7,377,160	1,870,843
2. Total Actuarial Accrued Liability	\$3,737,772	\$105,554	\$25,764,290	\$701,350	\$39,212,009	\$14,910,988	\$3,734,868
3. Actuarial value of assets	3,609,373	115,674	21,882,401	750,554	31,804,963	15,252,649	3,668,710
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$128,399	(\$10,120)	\$3,881,889	(\$49,204)	\$7,407,046	(\$341,661)	\$66,158
5. Funded Ratio: (3) / (2)	96.6%	109.6%	84.9%	107.0%	81.1%	102.3%	98.2%
6. Annual Payroll	\$2,796,825	\$62,915	\$6,885,251	\$481,048	\$10,541,216	\$3,021,908	\$1,457,488
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.62%	3.01%	8.68%	1.71%	9.30%	8.61%	3.21%
Prior Service	0.29%	-0.99%	3.82%	-0.63%	4.30%	-0.69%	0.35%
Total Retirement	5.91%	2.02%	12.50%	1.08%	13.60%	7.92%	3.56%
Supplemental Death	0.15%	0.22%	0.17%	0.17%	0.16%	0.21%	0.29%
Total Rate	6.06%	2.24%	12.67%	1.25%	13.76%	8.13%	3.85%
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)	13.50%	9.50%	12.50%	N/A	N/A	N/A	7.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	23.3 years	25.0 years	21.5 years	25.0 years	25.1 years	25.0 years	17.6 years
Number of annuitants	11	0	73	5	87	56	18
Number of active contributing members	63	2	126	11	176	53	40
Number of inactive members	84	0	126	9	114	43	12
Average age of contributing members	38.7 years	51.3 years	42.3 years	45.8 years	42.2 years	44.3 years	45.4 years
Average length of service of contributing members	7.1 years	15.5 years	9.4 years	6.5 years	8.6 years	12.3 years	6.8 years

	Balmorhea	Bandera	Bangs	Bartlett	Bartonville	Bastrop	Bay City
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$27,430	\$1,011,368	\$774,643	\$496,247	\$278,717	\$12,029,693	\$14,051,227
b. Noncontributing Members	1,929	397,353	358,812	325,044	355,517	2,047,397	2,831,071
c. Annuitants	0_	1,061,143	968,153	415,224	596,301	6,480,512	19,110,526
2. Total Actuarial Accrued Liability	\$29,359	\$2,469,864	\$2,101,608	\$1,236,515	\$1,230,535	\$20,557,602	\$35,992,824
3. Actuarial value of assets	46,885	2,513,548	1,988,907	1,329,789	863,275	17,216,461	32,072,355
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$17,526)	(\$43,684)	\$112,701	(\$93,274)	\$367,260	\$3,341,141	\$3,920,469
5. Funded Ratio: (3) / (2)	159.7%	101.8%	94.6%	107.5%	70.2%	83.7%	89.1%
6. Annual Payroll	\$32,609	\$848,277	\$508,608	\$555,636	\$444,082	\$7,234,119	\$7,859,690
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	1.66%	11.16%	10.71%	9.25%	7.16%	8.46%	5.68%
Prior Service	-1.66%	-0.34%	1.62%	-1.03%	8.39%	2.83%	3.94%
Total Retirement	0.00%	10.82%	12.33%	8.22%	15.55%	11.29%	9.62%
Supplemental Death	0.08%	0.26%	0.33%	0.33%	0.11%	0.18%	0.22%
Total Rate	0.08%	11.08%	12.66%	8.55%	15.66%	11.47%	9.84%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	15.11%	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	11.50%	N/A	12.50%	11.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	25.0 years	19.2 years	25.0 years	12.4 years	25.1 years	17.5 years
Number of annuitants	0	12	10	9	6	55	115
Number of active contributing members	1	21	12	12	7	131	159
Number of inactive members	1	32	21	25	10	58	100
Average age of contributing members	49.2 years	45.3 years	48.9 years	49.6 years	44.9 years	45.3 years	43.3 years
Average length of service of contributing members	10.3 years	6.2 years	6.3 years	9.8 years	6.5 years	10.3 years	9.8 years

	Bayou Vista	Baytown	Beaumont	Bedford	Bee Cave	Beeville	Bellaire
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							ĺ
a. Contributing Members	\$86,754	\$177,270,448	\$214,946,254	\$27,809,715	\$3,159,267	\$3,855,880	\$35,678,284
b. Noncontributing Members	115,326	22,223,472	25,017,340	4,185,559	1,991,426	1,358,145	6,228,418
c. Annuitants	194,361	146,514,576	248,671,430	7,128,979	790,097	5,697,297	41,801,204
2. Total Actuarial Accrued Liability	\$396,441	\$346,008,496	\$488,635,024	\$39,124,253	\$5,940,790	\$10,911,322	\$83,707,906
3. Actuarial value of assets	433,273	283,516,517	416,353,551	26,587,047	5,600,544	13,133,716	70,416,834
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$36,832)	\$62,491,979	\$72,281,473	\$12,537,206	\$340,246	(\$2,222,394)	\$13,291,072
5. Funded Ratio: (3) / (2)	109.3%	81.9%	85.2%	68.0%	94.3%	120.4%	84.1%
6. Annual Payroll	\$360,218	\$60,282,263	\$61,804,612	\$23,643,895	\$2,883,203	\$4,270,839	\$11,169,043
CITY CONTRIBUTION RATES FOR 2020							
Retirement							ĺ
Normal Cost	3.35%	9.86%	9.70%	5.59%	8.21%	3.63%	11.23%
Prior Service	-0.69%	7.47%	9.71%	3.33%	0.76%	-3.20%	8.97%
Total Retirement	2.66%	17.33%	19.41%	8.92%	8.97%	0.43%	20.20%
Supplemental Death	0.13%	0.15%	0.00%	0.00%	0.15%	0.00%	0.21%
Total Rate	2.79%	17.48%	19.41%	8.92%	9.12%	0.43%	20.41%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	13.50%	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	19.6 years	16.1 years	24.1 years	23.1 years	25.0 years	18.3 years
Number of annuitants	5	484	884	69	9	75	133
Number of active contributing members	8	834	1,000	343	44	97	153
Number of inactive members	10	340	413	150	40	94	115
Average age of contributing members	41.2 years	41.3 years	45.0 years	41.8 years	42.1 years	43.6 years	44.2 years
Average length of service of contributing members	3.4 years	10.7 years	12.0 years	11.9 years	7.1 years	9.1 years	12.2 years

	Bellmead	Bells	Bellville	Belton	Benbrook	Berryville	Bertram
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$5,244,194	\$54,715	\$5,709,161	\$11,127,596	\$30,156,661	\$43,500	\$165,678
b. Noncontributing Members	1,603,229	107,850	819,054	2,607,668	3,970,446	25,822	204,891
c. Annuitants	6,972,004	102,618	5,891,810	10,298,429	24,719,369	129,752	235,425
2. Total Actuarial Accrued Liability	\$13,819,427	\$265,183	\$12,420,025	\$24,033,693	\$58,846,476	\$199,074	\$605,994
3. Actuarial value of assets	13,798,804	370,603	9,533,933	21,781,581	52,133,354	203,891	600,970
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$20,623	(\$105,420)	\$2,886,092	\$2,252,112	\$6,713,122	(\$4,817)	\$5,024
5. Funded Ratio: (3) / (2)	99.9%	139.8%	76.8%	90.6%	88.6%	102.4%	99.2%
6. Annual Payroll	\$3,795,571	\$378,068	\$2,505,901	\$8,876,416	\$9,841,964	\$73,882	\$493,289
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	8.60%	1.67%	6.35%	6.56%	11.60%	3.79%	1.62%
Prior Service	0.03%	-1.67%	9.43%	1.55%	4.84%	-0.40%	0.08%
Total Retirement	8.63%	0.00%	15.78%	8.11%	16.44%	3.39%	1.70%
Supplemental Death	0.19%	0.11%	0.27%	0.17%	0.15%	0.44%	0.00%
Total Rate	8.82%	0.11%	16.05%	8.28%	16.59%	3.83%	1.70%
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)	12.50%	N/A	N/A	12.50%	N/A	9.50%	7.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	27.0 years	25.0 years	16.4 years	25.2 years	20.0 years	25.0 years	18.0 years
Number of annuitants	33	4	38	86	76	3	6
Number of active contributing members	74	10	50	170	121	2	13
Number of inactive members	65	21	27	151	62	1	15
Average age of contributing members	43.6 years	38.9 years	46.1 years	41.0 years	41.4 years	59.6 years	39.7 years
Average length of service of contributing members	8.4 years	5.9 years	11.9 years	10.5 years	12.9 years	5.0 years	6.0 years

	Big Lake	Big Sandy	Big Spring	Bishop	Blanco	Blooming Grove	Blossom
SUMMARY OF ACTUARIAL INFORMATION		, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,	·		·	
Actuarial Accrued Liability							
a. Contributing Members	\$4.240.234	\$226,417	\$20,075,027	\$1,216,570	\$274,158	\$234,928	\$354.015
b. Noncontributing Members	644,207	139,492	4,994,702	288,770	149,456	83,109	59,578
c. Annuitants	1,847,793	624,787	31,316,455	1,102,231	429,338	165,186	347,530
2. Total Actuarial Accrued Liability	\$6,732,234	\$990,696	\$56,386,184	\$2,607,571	\$852,952	\$483,223	\$761,123
3. Actuarial value of assets	4,925,582	958,582	46,081,542	2,568,498	783,416	418,643	813,183
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,806,652	\$32,114	\$10,304,642	\$39,073	\$69,536	\$64,580	(\$52,060)
5. Funded Ratio: (3) / (2)	73.2%	96.8%	81.7%	98.5%	91.8%	86.6%	106.8%
6. Annual Payroll	\$1,253,468	\$451,207	\$9,178,979	\$775,825	\$920,611	\$180,070	\$187,810
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.98%	1.36%	8.86%	2.98%	6.07%	6.65%	5.81%
Prior Service	10.53%	1.13%	8.58%	0.54%	0.48%	4.13%	-1.70%
Total Retirement	17.51%	2.49%	17.44%	3.52%	6.55%	10.78%	4.11%
Supplemental Death	0.25%	0.22%	0.30%	0.25%	0.18%	0.15%	0.58%
Total Rate	17.76%	2.71%	17.74%	3.77%	6.73%	10.93%	4.69%
Phase-In Rate (Minimum 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%	11.50%	11.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	19.2 years	7.3 years	18.6 years	11.4 years	24.0 years	10.6 years	25.0 years
Number of annuitants	10	4	152	15	8	2	4
Number of active contributing members	26	10	175	23	21	5	4
Number of inactive members	6	10	106	12	31	2	1
Average age of contributing members	45.1 years	42.7 years	42.0 years	47.0 years	41.0 years	43.8 years	53.3 years
Average length of service of contributing members	9.1 years	7.0 years	7.3 years	8.8 years	3.3 years	10.8 years	12.0 years

	Blue Mound	Blue Ridge	Boerne	Bogata	Bonham	Booker	Borger
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$447,325	\$56,215	\$46,069,229	\$148,109	\$7,471,658	\$584,962	\$25,505,713
b. Noncontributing Members	172,580	66,461	3,516,310	33,170	2,430,483	192,621	2,590,832
c. Annuitants	159,365	12,841	19,346,157	99,605	6,918,962	153,942	18,697,008
2. Total Actuarial Accrued Liability	\$779,270	\$135,517	\$68,931,696	\$280,884	\$16,821,103	\$931,525	\$46,793,553
3. Actuarial value of assets	745,222	177,133	51,639,844	353,776	16,537,811	931,436	40,581,406
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$34,048	(\$41,616)	\$17,291,852	(\$72,892)	\$283,292	\$89	\$6,212,147
5. Funded Ratio: (3) / (2)	95.6%	130.7%	74.9%	126.0%	98.3%	100.0%	86.7%
6. Annual Payroll	\$1,076,847	\$212,477	\$15,514,876	\$332,962	\$5,209,080	\$468,555	\$9,093,738
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	4.49%	2.99%	11.49%	1.48%	4.45%	5.64%	9.18%
Prior Service	0.19%	-1.20%	6.86%	-1.34%	0.70%	0.00%	4.69%
Total Retirement	4.68%	1.79%	18.35%	0.14%	5.15%	5.64%	13.87%
Supplemental Death	0.10%	0.19%	0.17%	0.16%	0.00%	0.34%	0.19%
Total Rate	4.78%	1.98%	18.52%	0.30%	5.15%	5.98%	14.06%
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)	N/A	N/A	N/A	7.50%	10.50%	9.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	24.8 years	25.0 years	24.9 years	25.0 years	9.3 years	12.1 years	21.1 years
Number of annuitants	6	1	87	3	55	2	86
Number of active contributing members	23	5	259	10	111	10	170
Number of inactive members	28	5	84	4	127	16	68
Average age of contributing members	39.5 years	46.8 years	43.4 years	41.0 years	42.1 years	50.0 years	41.9 years
Average length of service of contributing members	6.8 years	2.6 years	9.7 years	5.2 years	8.7 years	7.9 years	9.6 years

	Bovina	Bowie	Boyd	Brady	Brazoria	Breckenridge	Bremond
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$136,732	\$6,888,490	\$327,798	\$5,368,369	\$3,010,115	\$2,407,270	\$555,072
b. Noncontributing Members	54,294	2,053,194	289,523	2,126,476	644,226	500,515	172,488
c. Annuitants	184,882	7,403,573	413,684	3,141,772	901,349	5,330,590	24,057
2. Total Actuarial Accrued Liability	\$375,908	\$16,345,257	\$1,031,005	\$10,636,617	\$4,555,690	\$8,238,375	\$751,617
3. Actuarial value of assets	437,306	15,033,630	1,053,143	9,705,650	4,581,992	7,429,943	619,943
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$61,398)	\$1,311,627	(\$22,138)	\$930,967	(\$26,302)	\$808,432	\$131,674
5. Funded Ratio: (3) / (2)	116.3%	92.0%	102.1%	91.2%	100.6%	90.2%	82.5%
6. Annual Payroll	\$391,986	\$3,595,326	\$723,947	\$4,268,968	\$1,213,251	\$2,281,471	\$265,066
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	1.19%	7.04%	4.29%	8.41%	5.78%	4.69%	5.67%
Prior Service	-0.96%	2.53%	-0.19%	1.42%	-0.14%	2.24%	10.30%
Total Retirement	0.23%	9.57%	4.10%	9.83%	5.64%	6.93%	15.97%
Supplemental Death	0.19%	0.25%	0.00%	0.26%	0.21%	0.28%	0.31%
Total Rate	0.42%	9.82%	4.10%	10.09%	5.85%	7.21%	16.28%
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)	7.50%	11.50%	11.50%	12.50%	11.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	20.7 years	25.0 years	22.7 years	25.0 years	25.0 years	5.5 years
Number of annuitants	5	67	7	54	16	48	1
Number of active contributing members	11	80	16	98	28	66	6
Number of inactive members	16	73	22	112	19	50	11
Average age of contributing members	40.4 years	44.5 years	40.5 years	44.8 years	43.7 years	42.6 years	45.0 years
Average length of service of contributing members	4.5 years	9.1 years	8.2 years	7.8 years	9.4 years	7.7 years	9.8 years

	Brenham	Bridge City	Bridgeport	Bronte	Brookshire	Brownfield	Brownsboro
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$20,048,515	\$10,247,414	\$4,821,643	\$301,899	\$3,333,177	\$8,977,750	\$129,984
b. Noncontributing Members	4,531,987	1,311,567	2,707,589	19,641	1,622,183	663,448	21,012
c. Annuitants	23,620,971	9,329,645	5,576,700	145,684	978,220	8,960,799	242,289
2. Total Actuarial Accrued Liability	\$48,201,473	\$20,888,626	\$13,105,932	\$467,224	\$5,933,580	\$18,601,997	\$393,285
3. Actuarial value of assets	43,242,221	17,588,513	10,988,451	369,918	5,415,735	19,567,186	111,632
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$4,959,252	\$3,300,113	\$2,117,481	\$97,306	\$517,845	(\$965,189)	\$281,653
5. Funded Ratio: (3) / (2)	89.7%	84.2%	83.8%	79.2%	91.3%	105.2%	28.4%
6. Annual Payroll	\$11,592,361	\$3,498,380	\$3,028,318	\$130,566	\$1,798,275	\$4,047,128	\$302,263
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.02%	9.34%	9.20%	2.58%	6.87%	5.38%	1.82%
Prior Service	4.65%	5.79%	4.47%	10.51%	1.81%	-1.46%	8.59%
Total Retirement	9.67%	15.13%	13.67%	13.09%	8.68%	3.92%	10.41%
Supplemental Death	0.00%	0.28%	0.20%	0.24%	0.19%	0.00%	0.41%
Total Rate	9.67%	15.41%	13.87%	13.33%	8.87%	3.92%	10.82%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	13.21%	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	N/A	12.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	11.4 years	25.0 years	25.0 years	8.6 years	24.1 years	25.0 years	14.0 years
Number of annuitants	137	50	45	1	10	45	1
Number of active contributing members	206	58	57	3	40	91	9
Number of inactive members	136	27	82	2	43	35	2
Average age of contributing members	41.3 years	46.0 years	40.2 years	57.2 years	43.6 years	44.8 years	46.6 years
Average length of service of contributing members	10.6 years	11.4 years	8.8 years	18.7 years	8.1 years	9.9 years	5.0 years

				Brownwood Health	Brownwood Public		i
	Brownsville	Brownsville PUB	Brownwood	Dept.	Library	Bruceville-Eddy	Bryan
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$217,458,488	\$114,294,429	\$22,860,930	\$586,210	\$154,592	\$502,930	\$171,519,918
b. Noncontributing Members	13,339,418	10,003,795	4,411,379	137,203	4,568	317,309	31,676,001
c. Annuitants	145,028,808	61,831,279	25,343,900	775,472	168,162	367,275	143,344,912
2. Total Actuarial Accrued Liability	\$375,826,714	\$186,129,503	\$52,616,209	\$1,498,885	\$327,322	\$1,187,514	\$346,540,831
3. Actuarial value of assets	328,577,911	155,070,768	45,625,998	1,343,908	354,351	1,205,383	292,306,019
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$47,248,803	\$31,058,735	\$6,990,211	\$154,977	(\$27,029)	(\$17,869)	\$54,234,812
5. Funded Ratio: (3) / (2)	87.4%	83.3%	86.7%	89.7%	108.3%	101.5%	84.3
6. Annual Payroll	\$62,462,808	\$31,209,832	\$10,203,257	\$461,672	\$177,695	\$655,643	\$59,689,74
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	10.56%	10.18%	8.54%	7.94%	5.37%	5.89%	8.86
Prior Service	6.30%	7.03%	4.83%	2.70%	-0.93%	-0.17%	6.33
Total Retirement	16.86%	17.21%	13.37%	10.64%	4.44%	5.72%	15.19
Supplemental Death	0.18%	0.21%	0.00%	0.00%	0.00%	0.17%	0.00
Total Rate	17.04%	17.42%	13.37%	10.64%	4.44%	5.89%	15.19
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N,
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	11.50%	11.50%	N,
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	16.0 years	20.2 years	20.2 years	16.7 years	25.0 years	25.0 years	20.6 yea
Number of annuitants	576	261	140	12	3	7	6:
Number of active contributing members	1,144	585	227	11	10	17	8
Number of inactive members	286	120	91	2	4	16	4
Average age of contributing members	43.6 years	43.3 years	42.7 years	46.5 years	57.8 years	41.0 years	41.8 yea
Average length of service of contributing members	11.7 years	12.2 years	8.5 years	9.9 years	6.3 years	6.0 years	11.3 yes

	Bryson	Buda	Buffalo	Bullard	Bulverde	Bunker Hill Village	Burkburnett
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$60,994	\$8,022,916	\$942,879	\$1,613,283	\$1,638,548	\$1,835,506	\$6,117,914
b. Noncontributing Members	42,218	1,298,414	275,964	329,745	824,479	259,997	2,103,342
c. Annuitants	349,028	1,852,800	286,909	111,048	529,837	1,159,204	6,874,228
2. Total Actuarial Accrued Liability	\$452,240	\$11,174,130	\$1,505,752	\$2,054,076	\$2,992,864	\$3,254,707	\$15,095,484
3. Actuarial value of assets	607,271	9,274,847	1,502,144	1,739,243	2,630,785	3,219,353	13,253,295
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$155,031)	\$1,899,283	\$3,608	\$314,833	\$362,079	\$35,354	\$1,842,189
5. Funded Ratio: (3) / (2)	134.3%	83.0%	99.8%	84.7%	87.9%	98.9%	87.8%
6. Annual Payroll	\$108,468	\$5,735,864	\$586,802	\$1,258,525	\$1,565,334	\$645,203	\$3,180,226
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	2.95%	11.75%	4.77%	5.89%	8.52%	9.52%	6.47%
Prior Service	-2.95%	2.01%	0.05%	1.59%	1.48%	0.66%	3.81%
Total Retirement	0.00%	13.76%	4.82%	7.48%	10.00%	10.18%	10.28%
Supplemental Death	0.00%	0.17%	0.42%	0.19%	0.14%	0.20%	0.27%
Total Rate	0.00%	13.93%	5.24%	7.67%	10.14%	10.38%	10.55%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	N/A	11.50%	11.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	25.4 years	18.0 years	23.6 years	23.3 years	10.1 years	22.4 years
Number of annuitants	1	15	5	3	9	5	52
Number of active contributing members	3	108	17	27	27	8	72
Number of inactive members	3	48	12	18	25	4	37
Average age of contributing members	50.0 years	42.4 years	54.7 years	44.6 years	43.7 years	50.8 years	44.0 years
Average length of service of contributing members	5.5 years	6.5 years	10.1 years	10.4 years	8.8 years	16.5 years	8.7 years

	Burleson	Power et	Duratura	Cactus	Caddo Mills	Caldwell	Calvert
	Burieson	Burnet	Burton	Cactus	Caddo IVIIIIS	Caldwell	Calvert
SUMMARY OF ACTUARIAL INFORMATION							
Actuarial Accrued Liability							
a. Contributing Members	\$60,339,691	\$11,124,445	\$28,730	\$866,869	\$300,647	\$6,755,275	\$164,872
b. Noncontributing Members	10,394,604	3,103,936	0	255,197	100,691	597,580	81,700
c. Annuitants	31,994,175	11,677,805	0	531,581	166,275	3,871,348	63,199
2. Total Actuarial Accrued Liability	\$102,728,470	\$25,906,186	\$28,730	\$1,653,647	\$567,613	\$11,224,203	\$309,771
3. Actuarial value of assets	83,892,847	22,088,188	19,426	1,645,460	542,571	10,735,111	374,770
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$18,835,623	\$3,817,998	\$9,304	\$8,187	\$25,042	\$489,092	(\$64,999)
5. Funded Ratio: (3) / (2)	81.7%	85.3%	67.6%	99.5%	95.6%	95.6%	121.0%
6. Annual Payroll	\$23,052,221	\$6,210,360	\$36,748	\$1,912,068	\$617,367	\$2,307,639	\$447,901
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	10.45%	9.23%	1.64%	5.15%	5.44%	5.84%	2.05%
Prior Service	5.02%	3.77%	8.72%	0.03%	0.35%	2.29%	-0.89%
Total Retirement	15.47%	13.00%	10.36%	5.18%	5.79%	8.13%	1.16%
Supplemental Death	0.14%	0.16%	0.11%	0.15%	0.15%	0.39%	0.33%
Total Rate	15.61%	13.16%	10.47%	5.33%	5.94%	8.52%	1.49%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	13.50%	N/A	13.50%	N/A	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	25.1 years	3.1 years	23.0 years	15.2 years	11.4 years	25.0 years
Number of annuitants	132	64	0	9	3	30	3
Number of active contributing members	335	116	1	39	12	58	11
Number of inactive members	178	64	0	56	12	32	19
Average age of contributing members	42.0 years	40.8 years	48.5 years	37.6 years	44.1 years	51.3 years	48.0 years
Average length of service of contributing members	11.2 years	8.9 years	15.8 years	4.0 years	4.2 years	12.8 years	4.8 years

	Cameron	Campbell	Canadian	Caney City	Canton	Canyon	Carmine
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,204,607	\$164,374	\$1,918,639	\$16,874	\$5,971,181	\$16,697,723	\$123,333
b. Noncontributing Members	1,110,524	0	758,875	5,332	1,493,532	3,392,922	0
c. Annuitants	2,380,012	0	2,278,533	0	3,693,035	11,271,677	38,026
2. Total Actuarial Accrued Liability	\$5,695,143	\$164,374	\$4,956,047	\$22,206	\$11,157,748	\$31,362,322	\$161,359
3. Actuarial value of assets	4,521,210	51,794	3,683,725	30,926	9,573,854	28,542,780	168,104
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,173,933	\$112,580	\$1,272,322	(\$8,720)	\$1,583,894	\$2,819,542	(\$6,745)
5. Funded Ratio: (3) / (2)	79.4%	31.5%	74.3%	139.3%	85.8%	91.0%	104.2%
6. Annual Payroll	\$1,721,601	\$61,872	\$1,034,365	\$142,655	\$2,980,620	\$5,645,904	\$62,502
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.39%	1.70%	9.55%	1.81%	8.08%	10.35%	2.68%
Prior Service	4.90%	40.05%	7.55%	-0.38%	3.53%	3.77%	-0.73%
Total Retirement	10.29%	41.75%	17.10%	1.43%	11.61%	14.12%	1.95%
Supplemental Death	0.26%	0.22%	0.20%	0.08%	0.23%	0.20%	0.08%
Total Rate	10.55%	41.97%	17.30%	1.51%	11.84%	14.32%	2.03%
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	N/A	N/A	7.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	21.2 years	5.0 years	25.0 years	25.0 years	22.1 years	18.3 years	25.0 years
Number of annuitants	33	0	10	0	34	42	2
Number of active contributing members	41	2	20	4	66	100	2
Number of inactive members	41	0	8	4	49	42	0
Average age of contributing members	46.9 years	58.5 years	43.0 years	39.8 years	45.8 years	42.8 years	40.9 years
Average length of service of contributing members	9.2 years	21.2 years	8.4 years	1.9 years	8.9 years	10.2 years	15.0 years

	Carrizo Springs	Carrollton	Carthage	Castle Hills	Castroville	Cedar Hill	Cedar Park
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,356,172	\$168,427,118	\$11,838,580	\$6,093,735	\$946,378	\$60,218,333	\$68,898,573
b. Noncontributing Members	219,239	60,959,023	1,701,442	1,439,357	1,371,505	9,745,075	10,935,155
c. Annuitants	3,204,052	202,220,249	18,680,785	11,270,037	3,380,617	38,912,907	19,598,843
2. Total Actuarial Accrued Liability	\$4,779,463	\$431,606,390	\$32,220,807	\$18,803,129	\$5,698,500	\$108,876,315	\$99,432,571
3. Actuarial value of assets	4,661,969	409,035,774	27,414,348	16,659,407	5,240,079	94,510,876	76,908,214
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$117,494	\$22,570,616	\$4,806,459	\$2,143,722	\$458,421	\$14,365,439	\$22,524,357
5. Funded Ratio: (3) / (2)	97.5%	94.8%	85.1%	88.6%	92.0%	86.8%	77.3%
6. Annual Payroll	\$1,371,508	\$58,218,122	\$4,229,420	\$3,719,237	\$1,886,375	\$22,905,362	\$30,774,351
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	4.81%	8.33%	9.00%	8.46%	7.24%	9.68%	9.65%
Prior Service	0.52%	3.79%	8.97%	3.92%	1.51%	4.11%	4.71%
Total Retirement	5.33%	12.12%	17.97%	12.38%	8.75%	13.79%	14.36%
Supplemental Death	0.30%	0.00%	0.28%	0.17%	0.30%	0.15%	0.12%
Total Rate	5.63%	12.12%	18.25%	12.55%	9.05%	13.94%	14.48%
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)	9.50%	N/A	N/A	N/A	11.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.3 years	13.1 years	17.2 years	21.3 years	25.0 years	22.6 years	23.2 years
Number of annuitants	24	652	58	52	36	176	133
Number of active contributing members	40	802	73	60	42	340	473
Number of inactive members	42	634	40	40	64	163	248
Average age of contributing members	48.0 years	42.3 years	44.8 years	41.1 years	45.5 years	42.1 years	41.2 years
Average length of service of contributing members	8.5 years	11.6 years	11.0 years	10.1 years	5.6 years	11.4 years	10.1 years

	Celeste	Celina	Center	Centerville	Chandler	Charlotte	Chester
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$27,199	\$4,716,183	\$7,101,796	\$806,636	\$364,482	\$435,397	\$309,984
b. Noncontributing Members	50,254	1,879,239	536,933	56,452	90,319	97,948	215,504
c. Annuitants	48,573	738,523	5,734,469	127,351	609,456	71,714	0
2. Total Actuarial Accrued Liability	\$126,026	\$7,333,945	\$13,373,198	\$990,439	\$1,064,257	\$605,059	\$525,488
3. Actuarial value of assets	68,518	7,441,491	12,158,394	817,975	783,575	657,035	557,373
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$57,508	(\$107,546)	\$1,214,804	\$172,464	\$280,682	(\$51,976)	(\$31,885)
5. Funded Ratio: (3) / (2)	54.4%	101.5%	90.9%	82.6%	73.6%	108.6%	106.1%
6. Annual Payroll	\$94,333	\$7,919,110	\$3,247,863	\$222,965	\$1,122,269	\$366,829	\$34,270
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	3.04%	6.55%	9.83%	6.84%	2.05%	4.66%	6.91%
Prior Service	5.89%	-0.08%	2.57%	15.29%	2.41%	-0.87%	-6.29%
Total Retirement	8.93%	6.47%	12.40%	22.13%	4.46%	3.79%	0.62%
Supplemental Death	0.46%	0.15%	0.18%	0.00%	0.23%	0.18%	0.95%
Total Rate	9.39%	6.62%	12.58%	22.13%	4.69%	3.97%	1.57%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	21.92%	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
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	13.2 years	25.0 years	21.0 years	5.7 years	13.2 years	25.0 years	25.0 years
Number of annuitants	2	12	44	1	8	1	0
Number of active contributing members	2	147	69	5	26	8	2
Number of inactive members	9	71	18	3	9	7	2
Average age of contributing members	59.9 years	39.5 years	42.6 years	57.6 years	50.8 years	50.5 years	71.8 years
Average length of service of contributing members	7.6 years	7.1 years	9.1 years	15.7 years	6.1 years	9.0 years	29.1 years

	Chico	Childress	Chillicothe	Chireno	Christine	Cibolo	Cisco
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$219,918	\$3,628,950	\$89,585	\$901,419	\$22,334	\$9,803,115	\$2,028,018
b. Noncontributing Members	106,944	397,006	99,926	0	102	2,058,501	608,579
c. Annuitants	116,213	5,523,982	0	1,012,337	16,111	2,582,057	1,071,884
2. Total Actuarial Accrued Liability	\$443,075	\$9,549,938	\$189,511	\$1,913,756	\$38,547	\$14,443,673	\$3,708,481
3. Actuarial value of assets	398,366	7,385,616	100,849	1,444,805	48,833	12,541,333	3,676,719
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$44,709	\$2,164,322	\$88,662	\$468,951	(\$10,286)	\$1,902,340	\$31,762
5. Funded Ratio: (3) / (2)	89.9%	77.3%	53.2%	75.5%	126.7%	86.8%	99.1%
6. Annual Payroll	\$258,873	\$2,099,317	\$251,306	\$286,015	\$32,747	\$6,816,174	\$1,338,329
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	2.23%	9.17%	2.18%	9.69%	0.71%	10.75%	6.24%
Prior Service	2.03%	6.34%	5.15%	11.39%	-0.71%	1.74%	0.15%
Total Retirement	4.26%	15.51%	7.33%	21.08%	0.00%	12.49%	6.39%
Supplemental Death	0.45%	0.31%	0.20%	0.26%	0.00%	0.16%	0.21%
Total Rate	4.71%	15.82%	7.53%	21.34%	0.00%	12.65%	6.60%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	13.50%	11.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	10.4 years	24.9 years	8.0 years	20.7 years	25.0 years	24.5 years	24.0 years
Number of annuitants	4	41	0	4	2	34	17
Number of active contributing members	7	60	6	6	1	127	37
Number of inactive members	5	46	3	0	1	92	31
Average age of contributing members	55.4 years	45.0 years	50.0 years	45.7 years	35.9 years	41.2 years	40.2 years
Average length of service of contributing members	9.9 years	6.6 years	4.5 years	12.5 years	9.3 years	8.8 years	8.6 years

	Clarendon	Clarksville	Clarksville City	Clear Lake Shores	Cleburne	Cleveland	Clifton
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$570,115	\$479,697	\$109,316	\$1,320,722	\$31,999,893	\$5,876,688	\$1,422,462
b. Noncontributing Members	96,054	600,952	31,478	245,178	7,920,519	1,781,249	385,527
c. Annuitants	162,426	1,615,506	1,134,499	545,244	52,885,861	4,766,133	618,635
2. Total Actuarial Accrued Liability	\$828,595	\$2,696,155	\$1,275,293	\$2,111,144	\$92,806,273	\$12,424,070	\$2,426,624
3. Actuarial value of assets	937,785	3,426,788	1,352,440	1,856,911	75,354,153	10,458,949	2,433,870
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$109,190)	(\$730,633)	(\$77,147)	\$254,233	\$17,452,120	\$1,965,121	(\$7,246)
5. Funded Ratio: (3) / (2)	113.2%	127.1%	106.0%	88.0%	81.2%	84.2%	100.3%
6. Annual Payroll	\$513,235	\$865,346	\$204,259	\$1,005,922	\$15,539,562	\$3,497,953	\$1,117,168
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	2.70%	6.74%	5.23%	9.01%	8.17%	6.54%	1.97%
Prior Service	-1.31%	-5.18%	-0.83%	1.64%	7.89%	3.99%	-0.04%
Total Retirement	1.39%	1.56%	4.40%	10.65%	16.06%	10.53%	1.93%
Supplemental Death	0.57%	0.23%	0.20%	0.14%	0.22%	0.23%	0.38%
Total Rate	1.96%	1.79%	4.60%	10.79%	16.28%	10.76%	2.31%
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)	9.50%	11.50%	N/A	12.50%	N/A	11.50%	7.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	25.0 years	25.0 years	23.2 years	20.3 years	21.3 years	25.0 years
Number of annuitants	7	19	7	4	213	46	16
Number of active contributing members	16	26	4	18	286	83	27
Number of inactive members	20	39	4	16	175	79	22
Average age of contributing members	52.8 years	43.4 years	37.1 years	42.0 years	44.2 years	41.4 years	50.0 years
Average length of service of contributing members	10.6 years	4.7 years	4.5 years	7.9 years	9.1 years	8.6 years	10.9 years

	Clute	Clyde	Coahoma	Cockrell Hill	Coleman	College Station	Colleyville
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability				1			
a. Contributing Members	\$8,151,403	\$2,260,986	\$372,409	\$2,331,089	\$7,170,789	\$130,823,967	\$26,977,757
b. Noncontributing Members	3,692,016	340,407	142,611	1,254,995	1,853,293	33,802,093	8,329,682
c. Annuitants	10,137,776	1,815,241	315,797	956,163	6,831,208	134,992,147	24,446,148
2. Total Actuarial Accrued Liability	\$21,981,195	\$4,416,634	\$830,817	\$4,542,247	\$15,855,290	\$299,618,207	\$59,753,587
3. Actuarial value of assets	21,551,000	3,751,016	840,595	4,892,628	13,461,996	261,205,344	59,197,796
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$430,195	\$665,618	(\$9,778)	(\$350,381)	\$2,393,294	\$38,412,863	\$555,791
5. Funded Ratio: (3) / (2)	98.0%	84.9%	101.2%	107.7%	84.9%	87.2%	99.1%
6. Annual Payroll	\$4,786,594	\$1,286,373	\$256,140	\$1,418,954	\$2,832,200	\$58,459,343	\$13,160,573
CITY CONTRIBUTION RATES FOR 2020							
Retirement				1			
Normal Cost	9.73%	9.80%	6.50%	9.60%	9.27%	8.53%	8.61%
Prior Service	0.56%	3.18%	-0.23%	-1.52%	7.62%	4.66%	0.33%
Total Retirement	10.29%	12.98%	6.27%	8.08%	16.89%	13.19%	8.94%
Supplemental Death	0.16%	0.22%	0.25%	0.20%	0.00%	0.00%	0.16%
Total Rate	10.45%	13.20%	6.52%	8.28%	16.89%	13.19%	9.10%
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)	13.50%	13.50%	11.50%	13.50%	N/A	N/A	13.50%
ADDITIONAL INFORMATION				1	1		
Equivalent Single Amortization Period as of 1/2020	25.1 years	25.0 years	25.0 years	25.0 years	15.1 years	20.1 years	17.7 years
Number of annuitants	58	16	4	12	53	481	136
Number of active contributing members	94	33	5	31	67	908	177
Number of inactive members	87	24	3	45	33	562	149
Average age of contributing members	41.0 years	44.6 years	52.9 years	43.5 years	44.8 years	39.6 years	43.1 years
Average length of service of contributing members	7.4 years	8.7 years	9.9 years	10.0 years	10.6 years	9.5 years	12.1 years

	Collinsville	Colmesneil	Colorado City	Columbus	Comanche	Combes	Commerce
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$262,402	\$200,989	\$2,330,921	\$4,459,137	\$1,458,315	\$571,779	\$3,727,508
b. Noncontributing Members	2,035	592	1,183,779	1,442,064	338,578	5,822	2,261,848
c. Annuitants	186,014	88,099	2,422,348	2,904,373	1,512,546	0_	5,819,821
2. Total Actuarial Accrued Liability	\$450,451	\$289,680	\$5,937,048	\$8,805,574	\$3,309,439	\$577,601	\$11,809,177
3. Actuarial value of assets	445,735	246,133	5,998,912	7,748,786	3,059,170	105,572	11,031,454
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$4,716	\$43,547	(\$61,864)	\$1,056,788	\$250,269	\$472,029	\$777,723
5. Funded Ratio: (3) / (2)	99.0%	85.0%	101.0%	88.0%	92.4%	18.3%	93.4%
6. Annual Payroll	\$365,795	\$157,713	\$1,593,083	\$1,857,021	\$1,039,381	\$587,935	\$2,978,057
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.30%	3.70%	8.28%	7.81%	3.28%	1.57%	6.78%
Prior Service	0.13%	5.35%	-0.24%	4.65%	1.69%	5.35%	1.72%
Total Retirement	5.43%	9.05%	8.04%	12.46%	4.97%	6.92%	8.50%
Supplemental Death	0.25%	0.09%	0.43%	0.25%	0.34%	0.24%	0.23%
Total Rate	5.68%	9.14%	8.47%	12.71%	5.31%	7.16%	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)	12.50%	N/A	12.50%	N/A	7.50%	N/A	11.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	13.0 years	5.8 years	25.0 years	16.9 years	20.4 years	22.0 years	22.3 years
Number of annuitants	4	1	29	28	21	0	67
Number of active contributing members	8	4	45	38	25	17	75
Number of inactive members	2	1	46	26	15	6	94
Average age of contributing members	47.6 years	38.1 years	47.3 years	44.6 years	46.9 years	46.2 years	40.0 years
Average length of service of contributing members	8.5 years	7.7 years	7.1 years	10.9 years	10.8 years	8.3 years	7.4 years

	Conroe	Converse	Cooper	Coppell	Copper Canyon	Copperas Cove	Corinth
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							i
a. Contributing Members	\$75,787,367	\$14,233,938	\$532,281	\$88,080,900	\$304,398	\$24,586,650	\$22,388,083
b. Noncontributing Members	11,468,958	4,294,751	45,114	17,298,802	39,163	8,886,158	6,642,531
c. Annuitants	56,055,661	12,135,355	939,567	59,726,582	134,373	29,832,580	12,391,164
2. Total Actuarial Accrued Liability	\$143,311,986	\$30,664,044	\$1,516,962	\$165,106,284	\$477,934	\$63,305,388	\$41,421,778
3. Actuarial value of assets	118,592,377	25,212,689	1,427,737	144,441,930	440,763	55,697,549	34,990,192
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$24,719,609	\$5,451,355	\$89,225	\$20,664,354	\$37,171	\$7,607,839	\$6,431,586
5. Funded Ratio: (3) / (2)	82.8%	82.2%	94.1%	87.5%	92.2%	88.0%	84.59
6. Annual Payroll	\$28,398,811	\$8,007,831	\$427,561	\$29,578,265	\$211,877	\$12,012,115	\$9,898,654
CITY CONTRIBUTION RATES FOR 2020							
Retirement							i
Normal Cost	9.68%	9.55%	3.20%	10.86%	10.70%	8.17%	11.33
Prior Service	6.56%	4.17%	1.82%	4.71%	2.59%	3.89%	4.01
Total Retirement	16.24%	13.72%	5.02%	15.57%	13.29%	12.06%	15.34
Supplemental Death	0.00%	0.13%	0.27%	0.15%	0.55%	0.20%	0.13
Total Rate	16.24%	13.85%	5.29%	15.72%	13.84%	12.26%	15.47
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	12.24%	N/A	N/
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	8.50%	N/A	N/A	N/A	N/
ADDITIONAL INFORMATION							l
Equivalent Single Amortization Period as of 1/2020	18.4 years	25.0 years	15.1 years	21.6 years	7.9 years	25.0 years	24.8 yea
Number of annuitants	186	63	8	231	4	224	
Number of active contributing members	430	165	13	379	3	244	14
Number of inactive members	179	153	3	224	1	240	12
Average age of contributing members	41.5 years	39.5 years	49.1 years	42.8 years	65.7 years	41.8 years	42.8 yea
Average length of service of contributing members	9.9 years	7.7 years	9.9 years	11.9 years	14.3 years	11.8 years	12.5 yea

	Corpus Christi	Corrigan	Corsicana	Cotulla	Crandall	Crane	Crawford
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$437,958,466	\$489,302	\$27,070,817	\$1,722,480	\$2,152,570	\$2,444,033	\$91,150
b. Noncontributing Members	51,346,008	212,255	5,402,806	40,943	798,916	364,015	5,347
c. Annuitants	496,580,899	869,861	26,030,678	664,171	722,315	3,512,012	59,117
2. Total Actuarial Accrued Liability	\$985,885,373	\$1,571,418	\$58,504,301	\$2,427,594	\$3,673,801	\$6,320,060	\$155,614
3. Actuarial value of assets	730,891,816	1,589,519	49,975,225	2,011,599	3,758,832	6,705,801	168,485
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$254,993,557	(\$18,101)	\$8,529,076	\$415,995	(\$85,031)	(\$385,741)	(\$12,871)
5. Funded Ratio: (3) / (2)	74.1%	101.2%	85.4%	82.9%	102.3%	106.1%	108.3%
6. Annual Payroll	\$132,940,160	\$1,046,110	\$9,854,121	\$1,434,694	\$1,476,991	\$1,385,352	\$177,905
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	9.67%	4.08%	7.96%	4.76%	11.03%	9.72%	1.23%
Prior Service	14.94%	-0.11%	7.41%	1.85%	-0.35%	-1.71%	-0.44%
Total Retirement	24.61%	3.97%	15.37%	6.61%	10.68%	8.01%	0.79%
Supplemental Death	0.00%	0.25%	0.23%	0.32%	0.17%	0.20%	0.00%
Total Rate	24.61%	4.22%	15.60%	6.93%	10.85%	8.21%	0.79%
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	11.50%	N/A	11.50%	13.50%	15.50%	7.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	18.9 years	25.0 years	16.9 years	23.5 years	25.0 years	25.0 years	25.0 years
Number of annuitants	2,207	14	156	16	12	17	1
Number of active contributing members	2,419	26	176	39	30	25	5
Number of inactive members	1,203	49	90	53	40	6	2
Average age of contributing members	45.0 years	43.9 years	44.4 years	48.2 years	42.9 years	46.1 years	38.0 years
Average length of service of contributing members	11.2 years	4.9 years	11.8 years	6.5 years	7.6 years	8.9 years	8.0 years

	Crockett	Crosbyton	Cross Plains	Cross Roads	Crowell	Crowley	Crystal City
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,226,930	\$384,327	\$709,521	\$246,580	\$89,936	\$11,185,568	\$1,081,089
b. Noncontributing Members	665,126	242,387	248,480	31,006	0	2,565,953	785,860
c. Annuitants	6,813,360	866,911	325,502	33,225	0	6,595,292	1,428,890
2. Total Actuarial Accrued Liability	\$10,705,416	\$1,493,625	\$1,283,503	\$310,811	\$89,936	\$20,346,813	\$3,295,839
3. Actuarial value of assets	10,215,445	1,515,964	1,203,937	275,014	5,511	17,611,416	4,054,447
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$489,971	(\$22,339)	\$79,566	\$35,797	\$84,425	\$2,735,397	(\$758,608
5. Funded Ratio: (3) / (2)	95.4%	101.5%	93.8%	88.5%	6.1%	86.6%	123.0
6. Annual Payroll	\$2,259,217	\$335,237	\$364,297	\$743,468	\$208,957	\$6,232,186	\$1,383,249
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.54%	5.43%	5.21%	7.10%	1.59%	8.27%	4.08
Prior Service	1.55%	-0.41%	2.95%	0.45%	3.94%	2.68%	-3.47
Total Retirement	8.09%	5.02%	8.16%	7.55%	5.53%	10.95%	0.61
Supplemental Death	0.33%	0.77%	0.18%	0.08%	0.28%	0.14%	0.00
Total Rate	8.42%	5.79%	8.34%	7.63%	5.81%	11.09%	0.61
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N,
Statutory Maximum Rate (Total Retirement Only)	11.50%	10.50%	9.50%	N/A	N/A	12.50%	13.50
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	19.9 years	25.0 years	8.7 years	13.7 years	13.0 years	25.2 years	25.0 yea
Number of annuitants	61	12	3	1	0	53	
Number of active contributing members	52	10	8	11	8	115	į.
Number of inactive members	49	17	5	2	0	86	
Average age of contributing members	43.3 years	47.2 years	49.5 years	39.8 years	42.2 years	42.4 years	41.3 yea
Average length of service of contributing members	7.8 years	6.2 years	10.9 years	9.8 years	4.6 years	10.2 years	4.8 yea

						Dalworthington	
	Cuero	Cumby	Daingerfield	Daisetta	Dalhart	Gardens	Danbury
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$8,198,827	\$124,138	\$871,681	\$164,655	\$4,368,477	\$2,416,284	\$416,134
b. Noncontributing Members	1,316,041	106,498	498,048	84,335	665,209	1,532,953	82,082
c. Annuitants	5,797,883	91,797	1,183,870	6,343	3,587,583	4,652,586	4,747
2. Total Actuarial Accrued Liability	\$15,312,751	\$322,433	\$2,553,599	\$255,333	\$8,621,269	\$8,601,823	\$502,963
3. Actuarial value of assets	12,542,055	288,364	2,559,936	297,803	8,540,346	6,363,904	454,999
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,770,696	\$34,069	(\$6,337)	(\$42,470)	\$80,923	\$2,237,919	\$47,964
5. Funded Ratio: (3) / (2)	81.9%	89.4%	100.2%	116.6%	99.1%	74.0%	90.5%
6. Annual Payroll	\$4,859,022	\$430,805	\$765,825	\$210,170	\$2,915,094	\$1,679,493	\$409,787
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.98%	1.33%	5.65%	2.29%	4.61%	11.57%	4.66%
Prior Service	3.50%	0.58%	-0.05%	-1.37%	0.17%	9.42%	1.08%
Total Retirement	10.48%	1.91%	5.60%	0.92%	4.78%	20.99%	5.74%
Supplemental Death	0.26%	0.13%	0.00%	0.42%	0.20%	0.13%	0.19%
Total Rate	10.74%	2.04%	5.60%	1.34%	4.98%	21.12%	5.93%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	9.50%	N/A	11.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.1 years	19.1 years	25.0 years	25.0 years	24.9 years	20.1 years	13.9 years
Number of annuitants	55	3	15	1	31	12	1
Number of active contributing members	90	10	18	7	67	26	9
Number of inactive members	41	17	12	10	76	26	10
Average age of contributing members	46.4 years	37.0 years	45.4 years	58.1 years	41.1 years	42.4 years	49.5 years
Average length of service of contributing members	11.4 years	3.6 years	8.1 years	7.9 years	8.7 years	10.4 years	7.9 years

	Darrouzett	Dayton	De Leon	DeSoto	Decatur	Deer Park	Dekalb
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$31,673	\$3,694,333	\$138,217	\$48,055,562	\$17,383,448	\$64,624,114	\$392,169
b. Noncontributing Members	54,381	1,363,593	194,949	17,976,743	3,643,007	6,702,384	120,669
c. Annuitants	160,313	3,638,234	275,402	55,627,363	5,243,996	63,327,322	296,499
2. Total Actuarial Accrued Liability	\$246,367	\$8,696,160	\$608,568	\$121,659,668	\$26,270,451	\$134,653,820	\$809,337
3. Actuarial value of assets	237,992	7,766,812	603,537	115,780,122	22,655,965	123,840,917	918,221
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$8,375	\$929,348	\$5,031	\$5,879,546	\$3,614,486	\$10,812,903	(\$108,884)
5. Funded Ratio: (3) / (2)	96.6%	89.3%	99.2%	95.2%	86.2%	92.0%	113.5%
6. Annual Payroll	\$97,176	\$4,530,404	\$505,118	\$23,676,134	\$6,208,642	\$20,438,749	\$554,449
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	2.87%	5.74%	1.67%	9.35%	10.73%	10.30%	3.67%
Prior Service	1.26%	1.25%	0.09%	1.59%	3.57%	3.48%	-1.24%
Total Retirement	4.13%	6.99%	1.76%	10.94%	14.30%	13.78%	2.43%
Supplemental Death	0.34%	0.16%	0.28%	0.19%	0.25%	0.20%	0.20%
Total Rate	4.47%	7.15%	2.04%	11.13%	14.55%	13.98%	2.63%
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	13.50%	7.50%	N/A	N/A	N/A	9.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	8.0 years	25.2 years	16.0 years	23.4 years	25.1 years	22.5 years	25.0 years
Number of annuitants	1	47	6	237	44	202	11
Number of active contributing members	3	97	11	341	114	305	14
Number of inactive members	2	83	17	258	93	149	9
Average age of contributing members	53.4 years	42.4 years	41.9 years	43.1 years	45.6 years	41.6 years	51.1 years
Average length of service of contributing members	3.0 years	6.7 years	8.3 years	10.4 years	12.1 years	11.9 years	8.4 years

	Del Rio	Dell City	Denison	Denton	Denver City	Deport	Devine
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$22,627,085	\$189,972	\$25,551,112	\$248,482,914	\$2,775,215	\$5,139	\$4,706,988
b. Noncontributing Members	2,575,872	2,274	5,060,564	55,172,422	689,566	3,964	203,784
c. Annuitants	9,282,414	201,529	35,887,994	193,643,439	6,142,964	69,413	1,563,588
2. Total Actuarial Accrued Liability	\$34,485,371	\$393,775	\$66,499,670	\$497,298,775	\$9,607,745	\$78,516	\$6,474,360
3. Actuarial value of assets	24,934,225	363,398	61,379,444	416,882,602	9,201,475	76,118	3,607,518
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$9,551,146	\$30,377	\$5,120,226	\$80,416,173	\$406,270	\$2,398	\$2,866,842
5. Funded Ratio: (3) / (2)	72.3%	92.3%	92.3%	83.8%	95.8%	96.9%	55.7%
6. Annual Payroll	\$19,582,271	\$108,987	\$11,644,178	\$90,674,346	\$1,312,335	\$166,195	\$1,885,528
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	3.69%	5.42%	8.36%	10.03%	6.59%	1.60%	5.99%
Prior Service	3.76%	3.75%	3.80%	7.26%	4.58%	0.28%	10.63%
Total Retirement	7.45%	9.17%	12.16%	17.29%	11.17%	1.88%	16.62%
Supplemental Death	0.22%	0.20%	0.00%	0.17%	0.24%	0.14%	0.16%
Total Rate	7.67%	9.37%	12.16%	17.46%	11.41%	2.02%	16.78%
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)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	17.8 years	9.2 years	15.2 years	16.4 years	8.0 years	5.8 years	20.5 years
Number of annuitants	115	1	159	644	22	1	15
Number of active contributing members	477	2	228	1,265	24	3	45
Number of inactive members	208	1	114	613	27	3	11
Average age of contributing members	43.8 years	47.0 years	43.7 years	43.0 years	44.9 years	41.2 years	44.2 years
Average length of service of contributing members	9.4 years	12.8 years	9.7 years	11.1 years	10.1 years	0.9 years	9.2 years

	Diboll	Dickens	Dickinson	Dilley	Dimmitt	Donna	Double Oak
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,588,016	\$25,899	\$11,857,465	\$1,528,459	\$1,281,618	\$6,486,938	\$698,562
b. Noncontributing Members	1,867,934	31,639	2,908,774	103,379	371,477	983,299	144,789
c. Annuitants	5,753,746	0_	4,471,623	1,101,512	2,777,011	2,812,889	23,017
2. Total Actuarial Accrued Liability	\$11,209,696	\$57,538	\$19,237,862	\$2,733,350	\$4,430,106	\$10,283,126	\$866,368
3. Actuarial value of assets	9,949,971	67,593	17,628,864	2,015,760	4,999,805	7,302,373	817,343
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,259,725	(\$10,055)	\$1,608,998	\$717,590	(\$569,699)	\$2,980,753	\$49,025
5. Funded Ratio: (3) / (2)	88.8%	117.5%	91.6%	73.7%	112.9%	71.0%	94.3%
6. Annual Payroll	\$1,729,705	\$73,063	\$5,599,479	\$1,406,393	\$1,038,859	\$5,567,496	\$740,987
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	10.01%	2.82%	7.67%	6.91%	7.39%	7.49%	6.49%
Prior Service	4.66%	-0.85%	1.82%	3.23%	-3.37%	3.57%	0.56%
Total Retirement	14.67%	1.97%	9.49%	10.14%	4.02%	11.06%	7.05%
Supplemental Death	0.19%	0.07%	0.19%	0.18%	0.00%	0.00%	0.33%
Total Rate	14.86%	2.04%	9.68%	10.32%	4.02%	11.06%	7.38%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	13.50%	12.50%	12.50%	13.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	24.9 years	25.0 years	23.9 years	23.9 years	25.0 years	22.0 years	15.8 years
Number of annuitants	40	0	36	22	21	30	3
Number of active contributing members	39	2	92	37	28	138	11
Number of inactive members	39	2	87	40	22	100	7
Average age of contributing members	43.3 years	47.0 years	44.4 years	45.7 years	45.5 years	42.6 years	50.0 years
Average length of service of contributing members	9.0 years	3.5 years	10.2 years	7.3 years	6.6 years	6.3 years	13.6 years

	Dripping Springs	Driscoll	Dublin	Dumas	Duncanville	Eagle Lake	Eagle Pass
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$590,012	\$29,618	\$2,102,676	\$9,047,647	\$34,480,323	\$1,442,403	\$34,146,719
b. Noncontributing Members	152,304	65,751	667,992	2,128,325	12,385,977	651,238	4,095,220
c. Annuitants	58,306	0	1,801,291	7,081,372	64,870,971	2,588,844	32,133,031
2. Total Actuarial Accrued Liability	\$800,622	\$95,369	\$4,571,959	\$18,257,344	\$111,737,271	\$4,682,485	\$70,374,970
3. Actuarial value of assets	680,554	95,309	3,767,775	17,608,153	108,455,575	4,428,163	67,449,160
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$120,068	\$60	\$804,184	\$649,191	\$3,281,696	\$254,322	\$2,925,810
5. Funded Ratio: (3) / (2)	85.0%	99.9%	82.4%	96.4%	97.1%	94.6%	95.8%
6. Annual Payroll	\$1,231,217	\$276,080	\$1,600,062	\$5,805,938	\$17,827,081	\$1,140,478	\$17,342,800
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.22%	1.95%	9.35%	4.88%	5.66%	7.36%	6.84%
Prior Service	0.75%	0.00%	3.08%	0.68%	2.01%	1.54%	1.70%
Total Retirement	5.97%	1.95%	12.43%	5.56%	7.67%	8.90%	8.54%
Supplemental Death	0.11%	0.29%	0.21%	0.20%	0.00%	0.31%	0.21%
Total Rate	6.08%	2.24%	12.64%	5.76%	7.67%	9.21%	8.75%
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	N/A	9.50%	N/A	12.50%	11.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	17.9 years	20.0 years	25.1 years	25.1 years	11.3 years	21.4 years	12.5 years
Number of annuitants	1	0	19	65	225	17	183
Number of active contributing members	24	7	43	111	257	24	412
Number of inactive members	18	14	54	87	191	30	165
Average age of contributing members	39.7 years	46.2 years	41.9 years	42.2 years	43.5 years	50.0 years	42.0 years
Average length of service of contributing members	4.0 years	1.8 years	6.3 years	10.2 years	10.7 years	8.1 years	9.5 years

	Early	Earth	East Bernard	East Mountain	East Tawakoni	Eastland	Ector
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,330,997	\$86,698	\$50,087	\$9,645	\$197,961	\$2,375,877	\$194,600
b. Noncontributing Members	198,703	82,624	0	213,286	98,182	379,722	0
c. Annuitants	940,623	82,195	27,402	128,431	396,644	2,107,659	16,512
2. Total Actuarial Accrued Liability	\$2,470,323	\$251,517	\$77,489	\$351,362	\$692,787	\$4,863,258	\$211,112
3. Actuarial value of assets	2,576,123	192,372	63,948	356,678	723,723	4,358,346	219,515
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$105,800)	\$59,145	\$13,541	(\$5,316)	(\$30,936)	\$504,912	(\$8,403)
5. Funded Ratio: (3) / (2)	104.3%	76.5%	82.5%	101.5%	104.5%	89.6%	104.0%
6. Annual Payroll	\$1,169,777	\$175,869	\$157,598	\$40,152	\$303,058	\$1,798,579	\$177,313
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	3.78%	2.15%	3.46%	13.89%	5.90%	7.13%	2.23%
Prior Service	-0.56%	2.94%	1.56%	-0.81%	-0.63%	1.85%	-0.29%
Total Retirement	3.22%	5.09%	5.02%	13.08%	5.27%	8.98%	1.94%
Supplemental Death	0.14%	0.38%	0.19%	0.28%	0.23%	0.31%	0.40%
Total Rate	3.36%	5.47%	5.21%	13.36%	5.50%	9.29%	2.34%
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	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	15.0 years	6.2 years	25.0 years	25.0 years	22.3 years	25.0 years
Number of annuitants	10	3	1	2	4	21	1
Number of active contributing members	27	5	5	1	9	40	4
Number of inactive members	15	6	0	7	4	39	0
Average age of contributing members	43.3 years	53.6 years	44.6 years	53.5 years	47.9 years	45.3 years	53.4 years
Average length of service of contributing members	7.5 years	8.2 years	2.9 years	5.3 years	3.9 years	8.9 years	10.8 years

	Eden	Edgewood	Edinburg	Edna	El Campo	Eldorado	Electra
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$312,857	\$174,489	\$88,944,683	\$4,691,090	\$13,921,950	\$1,060,232	\$685,222
b. Noncontributing Members	89,137	125,882	9,110,152	1,323,940	2,827,400	167,588	393,713
c. Annuitants	883,881	103,302	50,328,368	2,524,789	13,196,418	1,334,104	875,978
2. Total Actuarial Accrued Liability	\$1,285,875	\$403,673	\$148,383,203	\$8,539,819	\$29,945,768	\$2,561,924	\$1,954,913
3. Actuarial value of assets	1,303,270	365,397	116,901,351	7,554,204	26,221,752	2,291,225	1,862,599
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$17,395)	\$38,276	\$31,481,852	\$985,615	\$3,724,016	\$270,699	\$92,314
5. Funded Ratio: (3) / (2)	101.4%	90.5%	78.8%	88.5%	87.6%	89.4%	95.3%
6. Annual Payroll	\$280,663	\$396,951	\$37,103,808	\$1,633,586	\$6,059,624	\$777,586	\$985,851
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	3.36%	1.84%	8.67%	5.86%	6.19%	5.05%	1.60%
Prior Service	-0.42%	0.85%	5.65%	4.81%	4.35%	2.16%	0.75%
Total Retirement	2.94%	2.69%	14.32%	10.67%	10.54%	7.21%	2.35%
Supplemental Death	0.34%	0.32%	0.15%	0.29%	0.20%	0.36%	0.29%
Total Rate	3.28%	3.01%	14.47%	10.96%	10.74%	7.57%	2.64%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	N/A	N/A	N/A	N/A	10.50%	7.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	16.1 years	22.0 years	17.0 years	20.1 years	24.5 years	17.9 years
Number of annuitants	13	6	258	26	73	7	26
Number of active contributing members	9	11	792	36	109	21	26
Number of inactive members	5	9	354	36	69	22	32
Average age of contributing members	50.8 years	45.9 years	41.0 years	48.1 years	41.8 years	39.5 years	44.3 years
Average length of service of contributing members	8.1 years	5.6 years	8.6 years	13.2 years	10.9 years	6.0 years	8.6 years

	Elgin	Elkhart	Elmendorf	Emory	Ennis	Euless	Eustace
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$8,013,678	\$254,680	\$222,947	\$685,914	\$32,166,894	\$107,095,221	\$345,814
b. Noncontributing Members	2,661,950	121,104	38,911	169,273	2,709,473	16,256,488	82,494
c. Annuitants	3,229,950	348,878	15,439	807,246	35,482,030	94,455,006	329,758
2. Total Actuarial Accrued Liability	\$13,905,578	\$724,662	\$277,297	\$1,662,433	\$70,358,397	\$217,806,715	\$758,066
3. Actuarial value of assets	11,264,924	672,631	268,594	1,626,673	62,106,683	194,891,646	653,023
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,640,654	\$52,031	\$8,703	\$35,760	\$8,251,714	\$22,915,069	\$105,043
5. Funded Ratio: (3) / (2)	81.0%	92.8%	96.9%	97.8%	88.3%	89.5%	86.1%
6. Annual Payroll	\$4,247,437	\$252,967	\$738,932	\$1,014,944	\$11,857,968	\$30,116,674	\$281,344
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	9.79%	3.40%	1.49%	6.52%	11.77%	11.15%	5.80%
Prior Service	3.97%	1.83%	0.09%	0.22%	4.94%	6.55%	4.83%
Total Retirement	13.76%	5.23%	1.58%	6.74%	16.71%	17.70%	10.63%
Supplemental Death	0.27%	0.00%	0.11%	0.20%	0.18%	0.00%	0.24%
Total Rate	14.03%	5.23%	1.69%	6.94%	16.89%	17.70%	10.87%
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	13.50%	N/A	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	23.5 years	14.7 years	18.1 years	24.6 years	20.0 years	15.3 years	9.2 years
Number of annuitants	33	4	1	12	135	247	8
Number of active contributing members	84	7	16	24	193	382	7
Number of inactive members	65	8	16	11	58	170	11
Average age of contributing members	45.0 years	45.1 years	40.7 years	43.7 years	42.1 years	42.7 years	46.7 years
Average length of service of contributing members	9.3 years	5.9 years	4.8 years	6.3 years	11.5 years	14.1 years	6.6 years

	Everman	Fair Oaks Ranch	Fairfield	Fairview	Falfurrias	Falls City	Farmers Branch
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,732,669	\$5,115,411	\$2,040,609	\$7,056,001	\$1,091,511	\$142,708	\$99,962,239
b. Noncontributing Members	715,997	1,324,366	949,452	1,817,649	300,609	149,930	34,209,668
c. Annuitants	3,362,311	1,450,850	2,637,750	399,102	1,359,057	0	133,809,997
2. Total Actuarial Accrued Liability	\$6,810,977	\$7,890,627	\$5,627,811	\$9,272,752	\$2,751,177	\$292,638	\$267,981,904
3. Actuarial value of assets	6,111,444	7,147,224	5,844,564	8,157,230	2,529,048	248,536	235,040,764
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$699,533	\$743,403	(\$216,753)	\$1,115,522	\$222,129	\$44,102	\$32,941,140
5. Funded Ratio: (3) / (2)	89.7%	90.6%	103.9%	88.0%	91.9%	84.9%	87.7%
6. Annual Payroll	\$2,135,245	\$3,428,233	\$1,547,131	\$5,171,264	\$1,820,028	\$143,829	\$30,269,925
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	7.20%	10.38%	8.03%	9.42%	2.52%	5.18%	10.07%
Prior Service	2.19%	1.33%	-0.86%	1.35%	0.81%	2.67%	8.93%
Total Retirement	9.39%	11.71%	7.17%	10.77%	3.33%	7.85%	19.00%
Supplemental Death	0.31%	0.14%	0.27%	0.17%	0.22%	0.21%	0.14%
Total Rate	9.70%	11.85%	7.44%	10.94%	3.55%	8.06%	19.14%
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)	11.50%	13.50%	13.50%	N/A	9.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	21.9 years	25.0 years	25.0 years	24.1 years	22.0 years	15.1 years	16.8 years
Number of annuitants	22	12	25	6	22	0	332
Number of active contributing members	48	62	31	71	42	4	398
Number of inactive members	48	37	33	44	39	11	353
Average age of contributing members	42.8 years	41.6 years	47.7 years	41.9 years	45.2 years	53.4 years	41.4 years
Average length of service of contributing members	8.4 years	6.2 years	7.4 years	9.3 years	6.8 years	5.4 years	11.6 years

	Farmersville	Farwell	Fate	Fayetteville	Ferris	Flatonia	Florence
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,113,379	\$306,527	\$1,794,409	\$104,457	\$920,368	\$2,065,035	\$249,742
b. Noncontributing Members	450,292	141,177	1,007,120	0	999,780	586,841	202,100
c. Annuitants	2,391,278	729,704	528,221	30,782	1,929,729	2,439,077	3,148
2. Total Actuarial Accrued Liability	\$5,954,949	\$1,177,408	\$3,329,750	\$135,239	\$3,849,877	\$5,090,953	\$454,990
3. Actuarial value of assets	5,346,574	1,021,667	3,203,049	125,425	3,723,814	4,558,481	488,183
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$608,375	\$155,741	\$126,701	\$9,814	\$126,063	\$532,472	(\$33,193)
5. Funded Ratio: (3) / (2)	89.8%	86.8%	96.2%	92.7%	96.7%	89.5%	107.3%
6. Annual Payroll	\$2,071,506	\$295,613	\$2,980,288	\$114,325	\$1,765,573	\$944,678	\$423,847
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.94%	11.29%	10.46%	2.02%	5.02%	10.17%	4.82%
Prior Service	1.80%	3.95%	0.28%	1.20%	0.43%	5.77%	-0.48%
Total Retirement	8.74%	15.24%	10.74%	3.22%	5.45%	15.94%	4.34%
Supplemental Death	0.23%	0.16%	0.11%	0.00%	0.20%	0.19%	0.18%
Total Rate	8.97%	15.40%	10.85%	3.22%	5.65%	16.13%	4.52%
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	9.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.1 years	18.5 years	22.3 years	8.4 years	25.4 years	12.2 years	25.0 years
Number of annuitants	22	3	10	1	29	14	1
Number of active contributing members	33	7	46	4	42	20	11
Number of inactive members	17	10	33	0	56	11	14
Average age of contributing members	46.3 years	47.0 years	41.0 years	54.4 years	38.9 years	44.6 years	44.9 years
Average length of service of contributing members	10.6 years	7.4 years	8.7 years	6.3 years	4.6 years	9.7 years	4.8 years

	Floresville	Flower Mound	Floydada	Forest Hill	Forney	Fort Stockton	Franklin
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,910,091	\$88,376,582	\$2,519,861	\$11,510,717	\$15,586,284	\$5,676,876	\$313,113
b. Noncontributing Members	792,241	20,955,472	286,702	4,034,774	2,818,300	2,455,270	59,094
c. Annuitants	3,457,526	35,226,028	2,195,481	8,115,454	7,099,865	9,240,775	216,731
2. Total Actuarial Accrued Liability	\$8,159,858	\$144,558,082	\$5,002,044	\$23,660,945	\$25,504,449	\$17,372,921	\$588,938
3. Actuarial value of assets	6,395,110	126,603,761	4,546,173	21,044,641	21,385,695	14,643,134	644,535
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,764,748	\$17,954,321	\$455,871	\$2,616,304	\$4,118,754	\$2,729,787	(\$55,597)
5. Funded Ratio: (3) / (2)	78.4%	87.6%	90.9%	88.9%	83.9%	84.3%	109.4%
6. Annual Payroll	\$3,327,029	\$39,499,696	\$1,000,499	\$5,361,714	\$9,978,657	\$5,671,990	\$545,136
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.57%	7.90%	6.63%	9.83%	11.26%	6.36%	3.74%
Prior Service	3.69%	2.87%	3.37%	2.99%	2.54%	3.28%	-0.63%
Total Retirement	10.26%	10.77%	10.00%	12.82%	13.80%	9.64%	3.11%
Supplemental Death	0.00%	0.14%	0.26%	0.14%	0.13%	0.27%	0.00%
Total Rate	10.26%	10.91%	10.26%	12.96%	13.93%	9.91%	3.11%
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%	13.50%	N/A	13.50%	N/A	11.50%	11.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	21.7 years	23.9 years	20.3 years	25.0 years	25.0 years	21.3 years	25.0 years
Number of annuitants	31	221	19	71	25	68	5
Number of active contributing members	64	586	21	85	153	126	12
Number of inactive members	34	452	20	90	51	92	8
Average age of contributing members	44.6 years	41.1 years	43.1 years	39.5 years	39.5 years	39.7 years	39.5 years
Average length of service of contributing members	6.5 years	9.9 years	9.4 years	8.7 years	8.2 years	5.6 years	5.6 years

	Frankston	Fredericksburg	Freeport	Freer	Friendswood	Friona	Frisco
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$239,589	\$25,536,298	\$11,684,765	\$608,956	\$39,437,078	\$1,537,154	\$209,342,883
b. Noncontributing Members	65,975	3,492,054	5,430,386	307,198	9,401,379	840,941	26,846,246
c. Annuitants	143,701	17,803,518	11,539,958	363,714	30,584,422	2,785,238	37,777,648
2. Total Actuarial Accrued Liability	\$449,265	\$46,831,870	\$28,655,109	\$1,279,868	\$79,422,879	\$5,163,333	\$273,966,777
3. Actuarial value of assets	467,206	40,676,609	23,034,824	965,353	68,259,462	4,907,992	230,713,453
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$17,941)	\$6,155,261	\$5,620,285	\$314,515	\$11,163,417	\$255,341	\$43,253,324
5. Funded Ratio: (3) / (2)	104.0%	86.9%	80.4%	75.4%	85.9%	95.1%	84.2%
6. Annual Payroll	\$525,375	\$9,996,677	\$6,572,270	\$623,864	\$14,961,477	\$931,057	\$91,693,221
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	1.66%	6.91%	9.06%	3.53%	10.94%	6.20%	11.16%
Prior Service	-0.21%	5.15%	5.24%	3.47%	4.90%	2.86%	2.91%
Total Retirement	1.45%	12.06%	14.30%	7.00%	15.84%	9.06%	14.07%
Supplemental Death	0.18%	0.23%	0.17%	0.37%	0.19%	0.18%	0.13%
Total Rate	1.63%	12.29%	14.47%	7.37%	16.03%	9.24%	14.20%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	15.9 years	25.1 years	20.9 years	22.5 years	12.5 years	24.8 years
Number of annuitants	4	99	73	7	123	14	188
Number of active contributing members	13	160	120	18	208	23	1,205
Number of inactive members	5	66	120	16	118	25	478
Average age of contributing members	45.8 years	45.4 years	40.9 years	47.4 years	44.1 years	42.1 years	41.0 years
Average length of service of contributing members	6.6 years	13.7 years	6.9 years	7.6 years	12.0 years	9.3 years	9.8 years

	Fritch	Frost	Fulshear	Fulton	Gainesville	Galena Park	Ganado
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$430,795	\$47,999	\$1,317,743	\$209,448	\$23,911,503	\$8,188,159	\$1,241,499
b. Noncontributing Members	572,728	43,974	249,561	34,321	3,289,453	1,378,297	1,439,195
c. Annuitants	437,085	185,906	135,849	290,739	21,406,914	8,830,773	739,402
2. Total Actuarial Accrued Liability	\$1,440,608	\$277,879	\$1,703,153	\$534,508	\$48,607,870	\$18,397,229	\$3,420,096
3. Actuarial value of assets	2,137,877	244,107	1,486,771	385,149	38,742,603	16,681,520	3,355,137
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$697,269)	\$33,772	\$216,382	\$149,359	\$9,865,267	\$1,715,709	\$64,959
5. Funded Ratio: (3) / (2)	148.4%	87.8%	87.3%	72.1%	79.7%	90.7%	98.1%
6. Annual Payroll	\$768,734	\$96,986	\$2,927,361	\$219,787	\$11,559,785	\$3,781,476	\$500,799
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	7.35%	3.37%	7.17%	6.82%	5.45%	9.07%	12.00%
Prior Service	-5.57%	3.61%	0.52%	15.77%	6.72%	3.07%	1.16%
Total Retirement	1.78%	6.98%	7.69%	22.59%	12.17%	12.14%	13.16%
Supplemental Death	0.15%	0.00%	0.14%	0.27%	0.19%	0.21%	0.44%
Total Rate	1.93%	6.98%	7.83%	22.86%	12.36%	12.35%	13.60%
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%	7.50%	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	12.1 years	20.4 years	4.8 years	18.4 years	25.0 years	15.1 years
Number of annuitants	9	3	2	4	148	57	10
Number of active contributing members	19	3	46	5	219	82	10
Number of inactive members	41	2	21	2	122	49	7
Average age of contributing members	35.7 years	64.5 years	43.6 years	51.4 years	41.2 years	40.7 years	52.6 years
Average length of service of contributing members	4.2 years	6.4 years	8.5 years	10.8 years	9.6 years	7.9 years	10.9 years

	Garden Ridge	Garland	Garrison	Gary	Gatesville	George West	Georgetown
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,639,019	\$512,841,880	\$775,600	\$274,295	\$10,284,255	\$696,060	\$99,003,831
b. Noncontributing Members	566,966	55,897,580	492,506	3,311	753,237	409,334	14,356,433
c. Annuitants	897,255	422,625,632	798,882	218,906	8,600,349	544,947	41,358,238
2. Total Actuarial Accrued Liability	\$3,103,240	\$991,365,092	\$2,066,988	\$496,512	\$19,637,841	\$1,650,341	\$154,718,502
3. Actuarial value of assets	2,718,843	947,851,465	1,890,062	392,180	16,521,597	1,381,176	132,424,767
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$384,397	\$43,513,627	\$176,926	\$104,332	\$3,116,244	\$269,165	\$22,293,735
5. Funded Ratio: (3) / (2)	87.6%	95.6%	91.4%	79.0%	84.1%	83.7%	85.69
6. Annual Payroll	\$1,668,834	\$155,261,797	\$376,574	\$222,300	\$3,798,807	\$1,231,204	\$47,729,588
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.94%	8.51%	11.07%	3.78%	9.29%	4.42%	9.08
Prior Service	1.45%	2.52%	5.43%	3.44%	5.59%	1.37%	3.05
Total Retirement	7.39%	11.03%	16.50%	7.22%	14.88%	5.79%	12.13
Supplemental Death	0.23%	0.21%	0.14%	0.00%	0.23%	0.19%	0.13
Total Rate	7.62%	11.24%	16.64%	7.22%	15.11%	5.98%	12.26
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N,
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	N/A	7.50%	N/A	N/A	13.50
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	24.1 years	14.5 years	11.1 years	21.7 years	21.3 years	24.2 years	22.7 yea
Number of annuitants	16	1,422	4	2	51	7	19
Number of active contributing members	27	2,037	8	4	77	32	68
Number of inactive members	23	656	3	2	21	39	2
Average age of contributing members	45.5 years	44.9 years	44.8 years	50.8 years	42.3 years	44.4 years	42.2 yea
Average length of service of contributing members	11.4 years	13.8 years	6.1 years	10.5 years	11.7 years	6.1 years	9.9 yea

	Giddings	Gilmer	Gladewater	Glen Rose	Glenn Heights	Godlev	Goldsmith
SUMMARY OF ACTUARIAL INFORMATION	•					,	
1. Actuarial Accrued Liability							
a. Contributing Members	\$8,523,067	\$4,709,706	\$1,843,876	\$1,760,779	\$2,939,494	\$249,461	\$224,723
b. Noncontributing Members	1,435,421	627,828	2,210,125	211,870	1,901,418	76,616	174,649
c. Annuitants	6,132,596	4,844,093	3,558,890	2,132,479	2,956,417	161,854	0
2. Total Actuarial Accrued Liability	\$16,091,084	\$10,181,627	\$7,612,891	\$4,105,128	\$7,797,329	\$487,931	\$399,372
3. Actuarial value of assets	12,920,844	8,618,019	7,010,064	3,484,641	9,164,652	418,322	382,888
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$3,170,240	\$1,563,608	\$602,827	\$620,487	(\$1,367,323)	\$69,609	\$16,484
5. Funded Ratio: (3) / (2)	80.3%	84.6%	92.1%	84.9%	117.5%	85.7%	95.9%
6. Annual Payroll	\$3,038,285	\$2,283,741	\$2,712,308	\$1,285,595	\$4,256,793	\$547,837	\$239,829
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	9.18%	8.68%	7.23%	11.62%	4.84%	1.69%	1.63%
Prior Service	9.01%	4.66%	1.39%	2.98%	-1.97%	0.94%	1.57%
Total Retirement	18.19%	13.34%	8.62%	14.60%	2.87%	2.63%	3.20%
Supplemental Death	0.28%	0.22%	0.20%	0.27%	0.14%	0.19%	0.43%
Total Rate	18.47%	13.56%	8.82%	14.87%	3.01%	2.82%	3.63%
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	11.50%	N/A	12.50%	8.50%	7.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	15.2 years	21.3 years	24.2 years	24.8 years	25.0 years	18.8 years	4.8 years
Number of annuitants	37	38	42	19	53	6	0
Number of active contributing members	68	51	57	25	79	11	4
Number of inactive members	51	32	88	17	96	15	2
Average age of contributing members	45.0 years	42.7 years	40.6 years	46.9 years	40.0 years	39.1 years	50.8 years
Average length of service of contributing members	10.0 years	10.3 years	5.7 years	7.7 years	7.4 years	5.5 years	13.3 years

	Goldthwaite	Goliad	Gonzales	Gordon	Gorman	Graford	Graham
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,733,048	\$494,598	\$6,691,875	\$10,446	\$215,664	\$113,247	\$7,433,746
b. Noncontributing Members	206,328	290,241	2,029,540	308	12,187	0	1,105,404
c. Annuitants	3,035,360	1,062,737	9,178,538	0	0	0	8,865,460
2. Total Actuarial Accrued Liability	\$5,974,736	\$1,847,576	\$17,899,953	\$10,754	\$227,851	\$113,247	\$17,404,610
3. Actuarial value of assets	4,956,627	2,049,172	14,930,049	3,016	77,331	108,198	15,470,700
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,018,109	(\$201,596)	\$2,969,904	\$7,738	\$150,520	\$5,049	\$1,933,910
5. Funded Ratio: (3) / (2)	83.0%	110.9%	83.4%	28.0%	33.9%	95.5%	88.9%
6. Annual Payroll	\$675,368	\$653,041	\$4,713,962	\$125,423	\$236,248	\$132,021	\$4,074,239
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	10.37%	7.00%	6.28%	1.83%	2.06%	2.07%	6.85%
Prior Service	13.13%	-2.01%	4.17%	0.90%	7.11%	0.80%	3.50%
Total Retirement	23.50%	4.99%	10.45%	2.73%	9.17%	2.87%	10.35%
Supplemental Death	0.26%	0.26%	0.26%	0.11%	0.44%	0.27%	0.31%
Total Rate	23.76%	5.25%	10.71%	2.84%	9.61%	3.14%	10.66%
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	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	15.1 years	25.0 years	22.2 years	8.0 years	11.0 years	5.3 years	21.2 years
Number of annuitants	9	10	57	0	0	0	68
Number of active contributing members	11	14	99	3	7	3	88
Number of inactive members	2	19	115	1	4	0	39
Average age of contributing members	47.3 years	42.1 years	41.5 years	45.6 years	54.6 years	50.0 years	45.3 years
Average length of service of contributing members	13.4 years	8.1 years	8.4 years	1.6 years	11.5 years	8.6 years	9.1 years

	Granbury	Grand Prairie	Grand Saline	Grandview	Granger	Granite Shoals	Grapeland
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$19,520,797	\$288,361,642	\$918,203	\$530,106	\$92,851	\$1,230,352	\$91,887
b. Noncontributing Members	3,771,781	35,134,717	461,756	370,519	186,790	211,661	164,501
c. Annuitants	19,407,153	263,898,182	1,581,264	609,297	158,883	281,693	424,803
2. Total Actuarial Accrued Liability	\$42,699,731	\$587,394,541	\$2,961,223	\$1,509,922	\$438,524	\$1,723,706	\$681,191
3. Actuarial value of assets	35,581,279	510,381,514	2,928,798	1,607,958	525,710	1,685,280	670,396
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$7,118,452	\$77,013,027	\$32,425	(\$98,036)	(\$87,186)	\$38,426	\$10,795
5. Funded Ratio: (3) / (2)	83.3%	86.9%	98.9%	106.5%	119.9%	97.8%	98.4%
6. Annual Payroll	\$8,853,111	\$96,547,690	\$938,515	\$839,535	\$401,836	\$1,753,881	\$263,869
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	9.99%	10.67%	7.09%	7.22%	2.29%	4.65%	3.77%
Prior Service	5.68%	6.16%	0.24%	-0.72%	-1.47%	0.15%	0.33%
Total Retirement	15.67%	16.83%	7.33%	6.50%	0.82%	4.80%	4.10%
Supplemental Death	0.21%	0.17%	0.24%	0.00%	0.00%	0.24%	0.00%
Total Rate	15.88%	17.00%	7.57%	6.50%	0.82%	5.04%	4.10%
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%	11.50%	7.50%	N/A	7.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	20.2 years	17.7 years	24.0 years	25.0 years	25.0 years	21.7 years	17.0 years
Number of annuitants	107	768	17	10	9	10	10
Number of active contributing members	165	1,337	25	16	10	32	7
Number of inactive members	92	588	15	19	14	26	20
Average age of contributing members	43.4 years	41.6 years	42.8 years	44.0 years	48.2 years	45.8 years	44.7 years
Average length of service of contributing members	9.4 years	11.3 years	6.4 years	7.1 years	4.4 years	9.3 years	4.9 years

	Grapevine	Greenville	Gregory	Grey Forest	Groesbeck	Groom	Groves
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$134,571,916	\$50,246,593	\$169,061	\$6,843,922	\$1,038,011	\$137,430	\$20,519,178
b. Noncontributing Members	20,830,949	10,065,471	117,739	901,425	166,365	4,734	1,358,359
c. Annuitants	131,073,279	57,631,154	103,905	7,211,046	568,675	175,537	18,711,381
2. Total Actuarial Accrued Liability	\$286,476,144	\$117,943,218	\$390,705	\$14,956,393	\$1,773,051	\$317,701	\$40,588,918
3. Actuarial value of assets	242,725,058	110,205,799	564,339	12,471,804	1,552,337	329,167	39,031,532
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$43,751,086	\$7,737,419	(\$173,634)	\$2,484,589	\$220,714	(\$11,466)	\$1,557,386
5. Funded Ratio: (3) / (2)	84.7%	93.4%	144.4%	83.4%	87.6%	103.6%	96.29
6. Annual Payroll	\$45,651,559	\$19,277,191	\$442,987	\$2,832,574	\$1,283,879	\$225,136	\$6,540,194
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	11.48%	7.27%	6.37%	9.43%	1.30%	3.02%	6.87
Prior Service	7.05%	3.73%	-2.41%	6.33%	1.20%	-0.31%	2.26
Total Retirement	18.53%	11.00%	3.96%	15.76%	2.50%	2.71%	9.13
Supplemental Death	0.00%	0.25%	0.27%	0.20%	0.23%	0.00%	0.00
Total Rate	18.53%	11.25%	4.23%	15.96%	2.73%	2.71%	9.139
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	9.50%	N/A	N/A	7.50%	N/
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	19.0 years	13.9 years	25.0 years	19.5 years	20.6 years	25.0 years	13.5 yea
Number of annuitants	395	285	2	22	15	4	9
Number of active contributing members	586	321	12	38	30	5	10
Number of inactive members	279	161	15	16	13	2	3
Average age of contributing members	44.6 years	45.8 years	50.9 years	44.7 years	45.4 years	48.3 years	44.9 yea
Average length of service of contributing members	12.1 years	11.6 years	7.4 years	8.4 years	11.3 years	6.1 years	14.3 yea

	Groveton	Gruver	Gun Barrel City	Gunter	Hale Center	Hallettsville	Hallsville
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$204,016	\$479,730	\$1,505,035	\$111,535	\$260,881	\$4,489,728	\$412,253
b. Noncontributing Members	10,921	470,023	926,144	60,911	59,568	288,479	59,579
c. Annuitants	29,040	422,202	870,355	72,264	55,375	3,037,247	226,205
2. Total Actuarial Accrued Liability	\$243,977	\$1,371,955	\$3,301,534	\$244,710	\$375,824	\$7,815,454	\$698,037
3. Actuarial value of assets	247,385	1,257,785	3,529,605	324,841	372,428	7,058,850	537,919
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$3,408)	\$114,170	(\$228,071)	(\$80,131)	\$3,396	\$756,604	\$160,118
5. Funded Ratio: (3) / (2)	101.4%	91.7%	106.9%	132.7%	99.1%	90.3%	77.1%
6. Annual Payroll	\$227,107	\$246,413	\$1,692,114	\$399,735	\$467,119	\$1,542,541	\$864,902
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	2.12%	7.74%	5.53%	5.37%	1.91%	6.89%	1.79%
Prior Service	-0.09%	6.75%	-0.83%	-1.23%	0.07%	4.95%	1.14%
Total Retirement	2.03%	14.49%	4.70%	4.14%	1.98%	11.84%	2.93%
Supplemental Death	0.39%	0.00%	0.20%	0.17%	0.25%	0.28%	0.23%
Total Rate	2.42%	14.49%	4.90%	4.31%	2.23%	12.12%	3.16%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	14.01%	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	7.50%	12.50%	11.50%	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	8.3 years	25.0 years	25.0 years	14.1 years	12.5 years	24.8 years
Number of annuitants	2	3	22	4	1	23	4
Number of active contributing members	11	5	39	9	11	35	20
Number of inactive members	6	7	42	10	8	16	17
Average age of contributing members	57.5 years	48.9 years	42.6 years	46.6 years	46.8 years	47.6 years	46.5 years
Average length of service of contributing members	8.2 years	7.6 years	6.7 years	5.5 years	7.7 years	15.7 years	8.1 years

	Haltom City	Hamilton	Hamlin	Нарру	Harker Heights	Harlingen	Harlingen Waterworks Sys
	Haltoni City	Hamilton	Tiuliiiii	парру	Hurker Heights	Humigen	Water works 5ys
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$53,678,492	\$1,293,553	\$946,895	\$228,974	\$32,445,127	\$35,787,985	\$9,559,252
b. Noncontributing Members	15,653,262	261,960	177,901	131,549	6,479,237	9,767,407	1,372,203
c. Annuitants	53,836,056	2,842,371	1,842,607	222,880	14,629,826	48,629,810	12,849,064
2. Total Actuarial Accrued Liability	\$123,167,810	\$4,397,884	\$2,967,403	\$583,403	\$53,554,190	\$94,185,202	\$23,780,519
3. Actuarial value of assets	101,793,473	3,677,728	2,683,325	586,530	43,680,803	89,689,182	23,886,611
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$21,374,337	\$720,156	\$284,078	(\$3,127)	\$9,873,387	\$4,496,020	(\$106,092)
5. Funded Ratio: (3) / (2)	82.6%	83.6%	90.4%	100.5%	81.6%	95.2%	100.4%
6. Annual Payroll	\$17,399,981	\$1,072,627	\$544,806	\$95,825	\$12,632,619	\$9,512,592	\$6,339,446
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	10.62%	9.85%	7.80%	8.36%	9.97%	4.97%	2.02%
Prior Service	8.43%	5.25%	3.89%	-0.21%	4.80%	6.69%	-0.10%
Total Retirement	19.05%	15.10%	11.69%	8.15%	14.77%	11.66%	1.92%
Supplemental Death	0.19%	0.27%	0.30%	0.40%	0.15%	0.37%	0.26%
Total Rate	19.24%	15.37%	11.99%	8.55%	14.92%	12.03%	2.18%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	15.50%	9.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	21.0 years	17.5 years	21.1 years	25.0 years	25.0 years	9.5 years	25.0 years
Number of annuitants	205	23	12	2	81	333	123
Number of active contributing members	254	30	15	2	213	167	135
Number of inactive members	174	22	8	2	147	75	47
Average age of contributing members	44.3 years	42.7 years	44.7 years	52.5 years	41.7 years	50.4 years	44.4 years
Average length of service of contributing members	12.8 years	4.8 years	7.5 years	11.8 years	13.5 years	19.6 years	11.2 years

	Hart	Haskell	Haslet	Hawkins	Hays	Hearne	Heath
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$121,255	\$338,891	\$2,104,712	\$1,182,284	\$19,078	\$4,686,598	\$5,929,343
b. Noncontributing Members	39,502	219,632	481,476	132,506	0	1,075,627	2,380,958
c. Annuitants	17,848	691,537	303,441	628,327	129,337	3,319,770	3,390,796
2. Total Actuarial Accrued Liability	\$178,605	\$1,250,060	\$2,889,629	\$1,943,117	\$148,415	\$9,081,995	\$11,701,097
3. Actuarial value of assets	130,196	1,816,831	2,932,629	2,109,822	156,086	7,073,139	10,529,126
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$48,409	(\$566,771)	(\$43,000)	(\$166,705)	(\$7,671)	\$2,008,856	\$1,171,971
5. Funded Ratio: (3) / (2)	72.9%	145.3%	101.5%	108.6%	105.2%	77.9%	90.0%
6. Annual Payroll	\$153,643	\$695,577	\$1,399,608	\$405,079	\$31,368	\$2,275,194	\$3,955,030
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	1.12%	2.01%	8.82%	8.74%	10.08%	9.12%	9.69%
Prior Service	2.85%	-2.01%	-0.19%	-2.68%	-1.65%	5.86%	1.86%
Total Retirement	3.97%	0.00%	8.63%	6.06%	8.43%	14.98%	11.55%
Supplemental Death	0.00%	0.19%	0.20%	0.21%	0.34%	0.27%	0.20%
Total Rate	3.97%	0.19%	8.83%	6.27%	8.77%	15.25%	11.75%
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	9.50%	15.50%	N/A	N/A	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	15.6 years	25.0 years	25.0 years	25.0 years	25.0 years	22.1 years	24.1 years
Number of annuitants	2	10	6	12	3	27	21
Number of active contributing members	5	18	25	8	1	53	49
Number of inactive members	1	16	24	3	0	37	33
Average age of contributing members	39.2 years	40.9 years	45.8 years	51.5 years	55.3 years	46.6 years	43.6 years
Average length of service of contributing members	8.4 years	5.0 years	8.7 years	13.4 years	1.8 years	8.7 years	11.9 years

	Hedley	Hedwig Village	Helotes	Hemphill	Hempstead	Henderson	Henrietta
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$434	\$2,660,993	\$4,880,014	\$2,166,910	\$7,205,667	\$15,700,400	\$954,055
b. Noncontributing Members	152,780	678,840	1,147,755	332,584	320,305	3,126,156	630,343
c. Annuitants	19,304	2,485,932	1,213,980	1,093,404	4,127,178	15,502,948	1,375,710
2. Total Actuarial Accrued Liability	\$172,518	\$5,825,765	\$7,241,749	\$3,592,898	\$11,653,150	\$34,329,504	\$2,960,108
3. Actuarial value of assets	184,930	5,278,214	6,574,319	3,112,746	10,763,481	28,163,045	2,416,244
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$12,412)	\$547,551	\$667,430	\$480,152	\$889,669	\$6,166,459	\$543,864
5. Funded Ratio: (3) / (2)	107.2%	90.6%	90.8%	86.6%	92.4%	82.0%	81.6%
6. Annual Payroll	\$28,067	\$2,093,914	\$3,884,407	\$1,187,632	\$3,644,908	\$6,486,152	\$703,694
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.44%	4.99%	5.14%	4.60%	6.28%	9.49%	9.96%
Prior Service	-2.99%	2.34%	1.43%	2.73%	1.50%	6.62%	4.78%
Total Retirement	2.45%	7.33%	6.57%	7.33%	7.78%	16.11%	14.74%
Supplemental Death	0.74%	0.25%	0.13%	0.35%	0.25%	0.16%	0.24%
Total Rate	3.19%	7.58%	6.70%	7.68%	8.03%	16.27%	14.98%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	12.50%	11.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	14.9 years	16.1 years	21.6 years	25.0 years	20.6 years	24.7 years
Number of annuitants	1	16	15	12	22	70	13
Number of active contributing members	1	29	70	24	70	122	17
Number of inactive members	10	21	39	11	32	61	15
Average age of contributing members	51.5 years	49.1 years	40.8 years	45.2 years	48.8 years	38.8 years	44.9 years
Average length of service of contributing members	0.3 years	13.4 years	9.5 years	10.2 years	10.8 years	9.8 years	7.5 years

	Hereford	Hewitt	Hickory Creek	Hico	Hidalgo	Higgins	Highland Park
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$12,737,672	\$10,829,036	\$2,301,810	\$216,560	\$11,480,625	\$29,696	\$31,215,426
b. Noncontributing Members	1,327,168	2,207,050	585,318	455,008	4,180,778	1,883	4,972,725
c. Annuitants	8,223,970	7,414,634	527,642	518,899	5,023,792	302,503	39,896,078
2. Total Actuarial Accrued Liability	\$22,288,810	\$20,450,720	\$3,414,770	\$1,190,467	\$20,685,195	\$334,082	\$76,084,229
3. Actuarial value of assets	19,486,484	16,484,629	3,072,631	1,179,588	18,147,511	345,760	77,459,481
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,802,326	\$3,966,091	\$342,139	\$10,879	\$2,537,684	(\$11,678)	(\$1,375,252)
5. Funded Ratio: (3) / (2)	87.4%	80.6%	90.0%	99.1%	87.7%	103.5%	101.8%
6. Annual Payroll	\$5,223,600	\$4,905,953	\$1,186,609	\$491,323	\$6,237,912	\$111,451	\$13,152,265
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.50%	10.51%	10.05%	7.89%	9.46%	4.71%	6.28%
Prior Service	3.84%	4.97%	1.90%	0.41%	3.20%	-0.64%	-0.64%
Total Retirement	10.34%	15.48%	11.95%	8.30%	12.66%	4.07%	5.64%
Supplemental Death	0.24%	0.12%	0.11%	0.19%	0.00%	0.39%	0.00%
Total Rate	10.58%	15.60%	12.06%	8.49%	12.66%	4.46%	5.64%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	13.50%	13.50%	13.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	19.8 years	25.0 years	24.5 years	6.2 years	17.3 years	25.0 years	25.0 years
Number of annuitants	47	33	11	9	43	3	116
Number of active contributing members	92	91	19	14	148	2	120
Number of inactive members	35	61	15	7	108	1	39
Average age of contributing members	42.5 years	39.0 years	40.3 years	40.1 years	43.9 years	58.9 years	45.0 years
Average length of service of contributing members	11.7 years	9.8 years	8.5 years	3.1 years	7.5 years	7.7 years	14.9 years

	Highland Village	Hill Country Village	Hillsboro	Hilshire Village	Hitchcock	Holland	Holliday
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$24,843,558	\$1,165,999	\$10,561,585	\$95,136	\$2,001,634	\$456,792	\$494,628
b. Noncontributing Members	7,788,565	537,217	2,824,277	3,603	836,537	0	212,282
c. Annuitants	10,849,813	328,596	7,199,979	11,188	1,431,303	149,713	116
2. Total Actuarial Accrued Liability	\$43,481,936	\$2,031,812	\$20,585,841	\$109,927	\$4,269,474	\$606,505	\$707,026
3. Actuarial value of assets	38,594,309	2,089,374	17,735,799	91,600	4,404,417	584,969	721,687
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$4,887,627	(\$57,562)	\$2,850,042	\$18,327	(\$134,943)	\$21,536	(\$14,661
5. Funded Ratio: (3) / (2)	88.8%	102.8%	86.2%	83.3%	103.2%	96.4%	102.1
6. Annual Payroll	\$10,525,876	\$866,174	\$4,804,209	\$113,080	\$2,213,939	\$279,120	\$397,698
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	10.47%	4.21%	6.17%	5.62%	4.12%	6.06%	2.87
Prior Service	2.84%	-0.42%	5.11%	5.36%	0.06%	1.02%	-0.23
Total Retirement	13.31%	3.79%	11.28%	10.98%	4.18%	7.08%	2.64
Supplemental Death	0.15%	0.14%	0.00%	0.24%	0.23%	0.54%	0.00
Total Rate	13.46%	3.93%	11.28%	11.22%	4.41%	7.62%	2.64
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N,
Statutory Maximum Rate (Total Retirement Only)	N/A	11.50%	N/A	N/A	11.50%	10.50%	9.50
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.1 years	25.0 years	15.3 years	3.2 years	0.0 years	9.1 years	25.0 yea
Number of annuitants	71	4	64	1	20	3	
Number of active contributing members	150	15	105	2	41	8	
Number of inactive members	112	21	75	1	61	0	
Average age of contributing members	42.5 years	44.2 years	43.5 years	46.8 years	46.8 years	56.2 years	47.6 yea
Average length of service of contributing members	10.9 years	12.4 years	10.5 years	6.5 years	11.2 years	8.9 years	10.9 yea

	Hollywood Park	Hondo	Honey Grove	Hooks	Horizon City	Howe	Hubbard
SUMMARY OF ACTUARIAL INFORMATION	·				,		
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,409,362	\$4,681,430	\$672,719	\$639,529	\$1,870,818	\$1,228,336	\$265,489
b. Noncontributing Members	828,064	2,105,603	344,679	496,543	1,053	578,311	152,478
c. Annuitants	2,002,929	8,874,415	575,579	467,864	0	490,467	49,553
2. Total Actuarial Accrued Liability	\$6,240,355	\$15,661,448	\$1,592,977	\$1,603,936	\$1,871,871	\$2,297,114	\$467,520
3. Actuarial value of assets	5,525,619	14,591,527	1,572,991	1,267,420	334,124	2,334,849	510,948
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$714,736	\$1,069,921	\$19,986	\$336,516	\$1,537,747	(\$37,735)	(\$43,428)
5. Funded Ratio: (3) / (2)	88.5%	93.2%	98.7%	79.0%	17.8%	101.6%	109.3%
6. Annual Payroll	\$2,153,985	\$4,598,579	\$415,648	\$567,643	\$3,069,050	\$744,165	\$406,283
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.77%	6.80%	6.85%	7.94%	2.81%	5.59%	1.45%
Prior Service	2.04%	1.42%	0.44%	5.52%	3.08%	-0.34%	-0.68%
Total Retirement	8.81%	8.22%	7.29%	13.46%	5.89%	5.25%	0.77%
Supplemental Death	0.20%	0.18%	0.34%	0.18%	0.12%	0.34%	0.26%
Total Rate	9.01%	8.40%	7.63%	13.64%	6.01%	5.59%	1.03%
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)	10.50%	11.50%	9.50%	13.50%	N/A	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	25.1 years	14.1 years	13.8 years	25.0 years	25.0 years	25.0 years
Number of annuitants	19	67	5	4	0	9	3
Number of active contributing members	38	109	10	14	73	16	12
Number of inactive members	26	85	19	9	2	18	15
Average age of contributing members	45.0 years	41.5 years	51.4 years	46.2 years	40.7 years	46.0 years	42.4 years
Average length of service of contributing members	10.0 years	6.7 years	14.3 years	9.4 years	5.4 years	10.0 years	7.7 years

	Hudson	Hudson Oaks	Hughes Springs	Humble	Hunters Creek Village	Huntington	Huntsville
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$672,616	\$3,058,469	\$3,655,839	\$43,999,163	\$661,767	\$1,621,342	\$36,451,065
b. Noncontributing Members	39,643	730,562	38,471	2,693,854	142,756	225,600	7,370,426
c. Annuitants	159,865	527,065	851,425	30,654,227	754,083	1,829,259	47,854,289
2. Total Actuarial Accrued Liability	\$872,124	\$4,316,096	\$4,545,735	\$77,347,244	\$1,558,606	\$3,676,201	\$91,675,780
3. Actuarial value of assets	851,140	3,754,286	4,717,116	69,062,993	1,020,776	3,122,124	72,430,087
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$20,984	\$561,810	(\$171,381)	\$8,284,251	\$537,830	\$554,077	\$19,245,693
5. Funded Ratio: (3) / (2)	97.6%	87.0%	103.8%	89.3%	65.5%	84.9%	79.09
6. Annual Payroll	\$733,664	\$1,478,013	\$618,234	\$15,284,193	\$519,240	\$788,087	\$13,932,380
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	3.95%	9.84%	10.45%	9.56%	9.07%	9.86%	8.169
Prior Service	0.22%	2.36%	-1.82%	4.05%	8.08%	4.41%	10.429
Total Retirement	4.17%	12.20%	8.63%	13.61%	17.15%	14.27%	18.589
Supplemental Death	0.19%	0.13%	0.33%	0.17%	0.36%	0.21%	0.229
Total Rate	4.36%	12.33%	8.96%	13.78%	17.51%	14.48%	18.809
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	17.22%	N/A	N/
Statutory Maximum Rate (Total Retirement Only)	N/A	13.50%	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	17.4 years	24.6 years	25.0 years	18.6 years	17.5 years	24.9 years	18.7 year
Number of annuitants	3	10	6	107	9	12	20
Number of active contributing members	15	22	12	200	8	20	25
Number of inactive members	4	17	1	52	3	15	16
Average age of contributing members	44.5 years	40.3 years	55.5 years	42.9 years	44.7 years	42.9 years	43.7 yea
Average length of service of contributing members	7.9 years	10.5 years	18.3 years	13.0 years	13.3 years	9.1 years	11.4 year

	Hurst	Hutchins	Hutto	Huxley	Idalou	Ingleside	Ingram
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$76,599,204	\$4,591,211	\$7,949,747	\$297,490	\$333,831	\$5,050,451	\$226,940
b. Noncontributing Members	11,215,611	1,770,507	4,648,145	140,386	234,816	1,436,433	67,983
c. Annuitants	75,272,920	2,252,063	2,524,617	365,266	0	5,037,351	565,365
2. Total Actuarial Accrued Liability	\$163,087,735	\$8,613,781	\$15,122,509	\$803,142	\$568,647	\$11,524,235	\$860,288
3. Actuarial value of assets	152,517,498	7,747,128	14,904,163	945,082	546,900	10,595,877	784,299
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$10,570,237	\$866,653	\$218,346	(\$141,940)	\$21,747	\$928,358	\$75,989
5. Funded Ratio: (3) / (2)	93.5%	89.9%	98.6%	117.7%	96.2%	91.9%	91.2%
6. Annual Payroll	\$27,330,250	\$3,710,675	\$8,571,106	\$357,529	\$574,649	\$3,484,642	\$519,520
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	7.96%	7.63%	11.88%	3.09%	3.73%	7.23%	4.63%
Prior Service	3.15%	1.44%	0.16%	-2.19%	0.32%	1.64%	1.10%
Total Retirement	11.11%	9.07%	12.04%	0.90%	4.05%	8.87%	5.73%
Supplemental Death	0.00%	0.13%	0.11%	0.26%	0.06%	0.31%	0.00%
Total Rate	11.11%	9.20%	12.15%	1.16%	4.11%	9.18%	5.73%
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	11.50%	N/A	9.50%	N/A	11.50%	9.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	16.5 years	24.7 years	24.3 years	25.0 years	16.0 years	24.9 years	18.4 years
Number of annuitants	272	26	23	4	0	44	13
Number of active contributing members	398	67	137	10	14	78	12
Number of inactive members	193	61	97	6	14	72	10
Average age of contributing members	42.6 years	40.2 years	41.7 years	45.3 years	36.6 years	47.9 years	45.2 years
Average length of service of contributing members	12.5 years	9.1 years	7.3 years	11.0 years	7.4 years	10.6 years	6.8 years

	Iowa Colony	Iowa Park	Iraan	Irving	Italy	Itasca	Jacinto City
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$545,988	\$4,407,317	\$732,252	\$354,795,631	\$144,080	\$1,022,684	\$6,224,449
b. Noncontributing Members	14,735	739,038	90,121	55,989,962	173,645	117,100	770,719
c. Annuitants	0	4,015,879	704,522	355,803,082	279,934	813,429	2,702,341
2. Total Actuarial Accrued Liability	\$560,723	\$9,162,234	\$1,526,895	\$766,588,675	\$597,659	\$1,953,213	\$9,697,509
3. Actuarial value of assets	402,044	7,844,637	1,185,406	698,577,540	464,679	2,115,944	8,701,421
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$158,679	\$1,317,597	\$341,489	\$68,011,135	\$132,980	(\$162,731)	\$996,088
5. Funded Ratio: (3) / (2)	71.7%	85.6%	77.6%	91.1%	77.7%	108.3%	89.7%
6. Annual Payroll	\$395,336	\$1,851,971	\$275,872	\$109,317,946	\$743,382	\$732,653	\$2,799,875
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.43%	7.09%	6.61%	9.46%	1.85%	12.06%	4.58%
Prior Service	8.72%	7.67%	10.97%	5.00%	1.14%	-1.36%	3.39%
Total Retirement	14.15%	14.76%	17.58%	14.46%	2.99%	10.70%	7.97%
Supplemental Death	0.49%	0.23%	0.51%	0.18%	0.26%	0.26%	0.34%
Total Rate	14.64%	14.99%	18.09%	14.64%	3.25%	10.96%	8.31%
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	N/A	13.50%	9.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	5.1 years	11.5 years	14.7 years	17.3 years	23.6 years	25.0 years	13.4 years
Number of annuitants	0	29	5	1,031	9	6	30
Number of active contributing members	8	44	6	1,486	18	19	57
Number of inactive members	4	37	4	531	26	26	32
Average age of contributing members	48.8 years	44.1 years	49.2 years	43.6 years	48.4 years	42.6 years	44.9 years
Average length of service of contributing members	6.4 years	9.5 years	11.2 years	13.0 years	4.0 years	5.7 years	10.1 years

	Jacksboro	Jacksonville	Jasper	Jefferson	Jersey Village	Jewett	Joaquin
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,398,050	\$12,741,253	\$13,590,268	\$966,641	\$8,630,576	\$401,950	\$132,819
b. Noncontributing Members	1,301,659	2,111,180	1,313,875	220,267	5,089,710	37,177	445
c. Annuitants	3,641,039	15,881,509	11,831,328	531,026	10,787,537	769,369	196,804
2. Total Actuarial Accrued Liability	\$7,340,748	\$30,733,942	\$26,735,471	\$1,717,934	\$24,507,823	\$1,208,496	\$330,068
3. Actuarial value of assets	6,019,164	27,645,490	24,582,242	1,890,557	21,024,016	1,011,197	248,931
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,321,584	\$3,088,452	\$2,153,229	(\$172,623)	\$3,483,807	\$197,299	\$81,137
5. Funded Ratio: (3) / (2)	82.0%	90.0%	91.9%	110.0%	85.8%	83.7%	75.4%
6. Annual Payroll	\$1,836,434	\$6,367,955	\$5,888,109	\$779,221	\$5,541,680	\$281,777	\$260,199
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	10.49%	7.35%	5.29%	2.39%	10.20%	4.80%	1.89%
Prior Service	4.43%	3.26%	3.80%	-1.50%	3.85%	5.80%	2.67%
Total Retirement	14.92%	10.61%	9.09%	0.89%	14.05%	10.60%	4.56%
Supplemental Death	0.21%	0.19%	0.27%	0.34%	0.19%	0.15%	0.40%
Total Rate	15.13%	10.80%	9.36%	1.23%	14.24%	10.75%	4.96%
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	15.50%	N/A	N/A	9.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	24.9 years	22.3 years	12.0 years	25.0 years	25.1 years	16.1 years	15.4 years
Number of annuitants	21	104	76	10	54	4	6
Number of active contributing members	40	127	117	19	92	5	7
Number of inactive members	46	84	54	29	96	2	1
Average age of contributing members	42.2 years	41.5 years	45.1 years	50.2 years	43.6 years	48.2 years	49.0 years
Average length of service of contributing members	7.8 years	9.5 years	11.3 years	10.0 years	8.7 years	12.3 years	4.6 years

	Johnson City	Jones Creek	Jonestown	Josephine	Joshua	Jourdanton	Junction
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$987,177	\$225,987	\$1,012,548	\$316,259	\$1,689,492	\$1,537,138	\$1,230,369
b. Noncontributing Members	414,057	1,803	209,289	87,708	1,204,215	237,438	184,220
c. Annuitants	787,170	255,325	447,407	0	564,980	1,199,155	2,732,770
2. Total Actuarial Accrued Liability	\$2,188,404	\$483,115	\$1,669,244	\$403,967	\$3,458,687	\$2,973,731	\$4,147,359
3. Actuarial value of assets	1,808,191	406,385	1,518,069	403,127	3,538,003	2,805,232	3,548,466
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$380,213	\$76,730	\$151,175	\$840	(\$79,316)	\$168,499	\$598,893
5. Funded Ratio: (3) / (2)	82.6%	84.1%	90.9%	99.8%	102.3%	94.3%	85.6%
6. Annual Payroll	\$862,391	\$283,338	\$1,302,631	\$455,208	\$1,780,309	\$1,541,373	\$873,955
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.59%	2.90%	6.58%	5.92%	5.97%	5.42%	10.31%
Prior Service	3.19%	3.12%	0.74%	0.03%	-0.27%	0.66%	4.22%
Total Retirement	9.78%	6.02%	7.32%	5.95%	5.70%	6.08%	14.53%
Supplemental Death	0.18%	0.21%	0.22%	0.09%	0.10%	0.33%	0.24%
Total Rate	9.96%	6.23%	7.54%	6.04%	5.80%	6.41%	14.77%
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)	10.50%	N/A	N/A	N/A	13.50%	9.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	20.1 years	10.6 years	23.3 years	6.0 years	25.0 years	25.7 years	24.9 years
Number of annuitants	8	5	9	0	7	19	17
Number of active contributing members	15	8	27	8	36	39	24
Number of inactive members	14	1	12	4	44	30	21
Average age of contributing members	47.1 years	41.6 years	45.6 years	42.9 years	39.8 years	48.2 years	48.3 years
Average length of service of contributing members	8.4 years	6.9 years	7.8 years	10.3 years	9.3 years	9.9 years	5.2 years

	Justin	Karnes City	Katy	Kaufman	Keene	Keller	Kemah
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,138,245	\$1,669,466	\$31,670,068	\$6,262,777	\$2,966,115	\$48,443,652	\$3,024,139
b. Noncontributing Members	603,283	411,859	3,760,724	996,802	2,666,458	16,319,125	865,576
c. Annuitants	370,966	945,784	15,578,137	7,443,894	4,558,049	39,053,230	1,396,468
2. Total Actuarial Accrued Liability	\$2,112,494	\$3,027,109	\$51,008,929	\$14,703,473	\$10,190,622	\$103,816,007	\$5,286,183
3. Actuarial value of assets	1,841,503	2,374,246	45,955,369	12,418,331	9,197,443	87,543,646	5,120,443
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$270,991	\$652,863	\$5,053,560	\$2,285,142	\$993,179	\$16,272,361	\$165,740
5. Funded Ratio: (3) / (2)	87.2%	78.4%	90.1%	84.5%	90.3%	84.3%	96.9%
6. Annual Payroll	\$1,764,292	\$1,374,047	\$14,673,279	\$3,023,062	\$2,338,757	\$19,332,431	\$2,224,492
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.44%	5.80%	11.35%	9.92%	9.20%	10.15%	6.42%
Prior Service	0.99%	2.94%	2.27%	4.86%	2.97%	5.68%	0.51%
Total Retirement	7.43%	8.74%	13.62%	14.78%	12.17%	15.83%	6.93%
Supplemental Death	0.00%	0.16%	0.15%	0.22%	0.17%	0.13%	0.18%
Total Rate	7.43%	8.90%	13.77%	15.00%	12.34%	15.96%	7.11%
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)	13.50%	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	23.1 years	24.7 years	22.3 years	23.3 years	20.5 years	21.6 years	23.0 years
Number of annuitants	10	12	66	52	25	161	15
Number of active contributing members	32	28	232	55	46	285	35
Number of inactive members	28	15	69	54	54	214	35
Average age of contributing members	38.9 years	46.2 years	40.1 years	44.7 years	39.9 years	40.8 years	46.2 years
Average length of service of contributing members	5.4 years	9.5 years	8.5 years	12.5 years	7.8 years	11.4 years	13.0 years

	Kemp	Kenedy	Kennedale	Kerens	Kermit	Kerrville	Kerrville PUB
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$365,417	\$1,300,615	\$6,456,693	\$252,259	\$5,121,490	\$36,388,738	\$10,563,798
b. Noncontributing Members	289,264	1,019,487	5,501,428	5,273	2,227,629	7,929,271	6,521,085
c. Annuitants	262,043	738,564	4,914,572	161,650	5,165,904	38,399,167	11,093,904
2. Total Actuarial Accrued Liability	\$916,724	\$3,058,666	\$16,872,693	\$419,182	\$12,515,023	\$82,717,176	\$28,178,787
3. Actuarial value of assets	940,006	2,766,481	14,990,065	161,682	9,909,311	75,424,588	26,117,460
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$23,282)	\$292,185	\$1,882,628	\$257,500	\$2,605,712	\$7,292,588	\$2,061,327
5. Funded Ratio: (3) / (2)	102.5%	90.4%	88.8%	38.6%	79.2%	91.2%	92.79
6. Annual Payroll	\$695,451	\$2,116,685	\$4,085,036	\$420,160	\$2,400,675	\$17,654,078	\$4,041,538
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.02%	3.08%	10.58%	2.18%	9.04%	7.61%	8.74
Prior Service	-0.23%	0.85%	2.99%	5.97%	6.67%	2.52%	3.32
Total Retirement	5.79%	3.93%	13.57%	8.15%	15.71%	10.13%	12.06
Supplemental Death	0.00%	0.17%	0.23%	0.18%	0.26%	0.19%	0.179
Total Rate	5.79%	4.10%	13.80%	8.33%	15.97%	10.32%	12.23
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/
Statutory Maximum Rate (Total Retirement Only)	11.50%	7.50%	N/A	N/A	N/A	15.50%	N/
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	25.1 years	24.7 years	13.0 years	24.9 years	25.2 years	22.8 yea
Number of annuitants	. 8	11	. 39	1	28	245	, a
Number of active contributing members	19	49	72	11	52	305	9
Number of inactive members	25	37	110	4	107	179	
Average age of contributing members	40.1 years	42.6 years	43.7 years	47.0 years	44.1 years	43.3 years	44.2 yea
Average length of service of contributing members	4.2 years	6.8 years	11.3 years	9.3 years	7.0 years	10.0 years	11.2 yea

	Kilgore	Killeen	Kingsville	Kirby	Kirbyville	Knox City	Kosse
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$18,241,018	\$86,427,575	\$26,868,197	\$3,447,594	\$697,403	\$221,274	\$47,825
b. Noncontributing Members	3,067,399	13,616,332	7,311,276	1,102,401	191,923	297,944	824
c. Annuitants	24,074,366	96,849,633	29,352,486	4,509,932	1,151,767	132,433	0
2. Total Actuarial Accrued Liability	\$45,382,783	\$196,893,540	\$63,531,959	\$9,059,927	\$2,041,093	\$651,651	\$48,649
3. Actuarial value of assets	40,529,101	169,226,375	59,879,605	7,679,359	1,699,289	740,376	17,384
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$4,853,682	\$27,667,165	\$3,652,354	\$1,380,568	\$341,804	(\$88,725)	\$31,265
5. Funded Ratio: (3) / (2)	89.3%	85.9%	94.3%	84.8%	83.3%	113.6%	35.7%
6. Annual Payroll	\$7,979,504	\$46,699,039	\$11,987,332	\$2,252,573	\$872,501	\$352,847	\$134,976
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	9.95%	5.77%	6.58%	11.03%	3.19%	3.91%	2.00%
Prior Service	3.83%	5.50%	2.22%	3.74%	2.63%	-1.54%	3.36%
Total Retirement	13.78%	11.27%	8.80%	14.77%	5.82%	2.37%	5.36%
Supplemental Death	0.25%	0.18%	0.00%	0.12%	0.38%	0.45%	0.20%
Total Rate	14.03%	11.45%	8.80%	14.89%	6.20%	2.82%	5.56%
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	13.50%	N/A	N/A	7.50%	9.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	24.0 years	13.9 years	19.2 years	25.3 years	25.0 years	25.0 years	8.1 years
Number of annuitants	126	525	175	30	19	5	0
Number of active contributing members	155	956	260	59	24	8	4
Number of inactive members	91	551	172	88	29	11	1
Average age of contributing members	44.0 years	42.9 years	44.3 years	41.0 years	50.1 years	52.8 years	51.1 years
Average length of service of contributing members	9.6 years	11.1 years	10.1 years	7.9 years	6.1 years	12.4 years	7.8 years

	Kountze	Kress	Krugerville	Krum	Kyle	La Coste	La Feria
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$640,388	\$9,198	\$436,593	\$1,157,266	\$19,470,093	\$323,575	\$2,284,964
b. Noncontributing Members	92,636	6,323	77,188	749,623	2,075,413	751	932,543
c. Annuitants	180,791	242,661	89,716	160,474	3,292,556	46,722	3,892,692
2. Total Actuarial Accrued Liability	\$913,815	\$258,182	\$603,497	\$2,067,363	\$24,838,062	\$371,048	\$7,110,199
3. Actuarial value of assets	897,829	338,328	573,760	2,068,095	21,128,928	408,844	5,628,127
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$15,986	(\$80,146)	\$29,737	(\$732)	\$3,709,134	(\$37,796)	\$1,482,072
5. Funded Ratio: (3) / (2)	98.3%	131.0%	95.1%	100.0%	85.1%	110.2%	79.2
6. Annual Payroll	\$1,008,646	\$29,721	\$622,937	\$1,975,150	\$11,708,038	\$324,189	\$2,083,458
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	1.28%	2.91%	7.71%	6.57%	10.56%	2.02%	4.89
Prior Service	0.10%	-2.91%	0.46%	0.00%	1.96%	-0.72%	6.34
Total Retirement	1.38%	0.00%	8.17%	6.57%	12.52%	1.30%	11.23
Supplemental Death	0.15%	0.00%	0.12%	0.14%	0.12%	0.00%	0.24
Total Rate	1.53%	0.00%	8.29%	6.71%	12.64%	1.30%	11.479
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	13.50%	13.50%	7.50%	N/
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	24.4 years	25.0 years	13.4 years	25.0 years	24.7 years	25.0 years	14.6 yea
Number of annuitants	4	3	3	7	25	3	3
Number of active contributing members	25	1	9	37	200	8	5
Number of inactive members	49	1	5	35	103	1	4
Average age of contributing members	42.8 years	40.0 years	47.3 years	41.6 years	39.6 years	50.7 years	44.0 yea
Average length of service of contributing members	6.3 years	3.7 years	10.3 years	8.8 years	8.0 years	14.2 years	8.2 yea

	La Grange	La Grulla	La Joya	La Marque	La Porte	La Vernia	Lacy-Lakeview
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$9,855,970	\$378,315	\$739,444	\$10,083,987	\$79,462,183	\$269,938	\$5,091,548
b. Noncontributing Members	1,206,629	39,135	254,508	5,220,596	10,463,644	77,349	704,831
c. Annuitants	5,220,413	291,354	583,636	13,198,950	74,584,510	235,027	2,980,215
2. Total Actuarial Accrued Liability	\$16,283,012	\$708,804	\$1,577,588	\$28,503,533	\$164,510,337	\$582,314	\$8,776,594
3. Actuarial value of assets	14,520,324	869,935	772,156	24,108,780	147,848,080	451,166	7,033,363
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,762,688	(\$161,131)	\$805,432	\$4,394,753	\$16,662,257	\$131,148	\$1,743,231
5. Funded Ratio: (3) / (2)	89.2%	122.7%	48.9%	84.6%	89.9%	77.5%	80.1%
6. Annual Payroll	\$2,997,702	\$612,867	\$1,137,048	\$6,352,537	\$23,726,658	\$780,013	\$2,140,170
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	9.32%	6.81%	1.53%	9.56%	9.28%	2.05%	9.43%
Prior Service	4.74%	-1.68%	5.30%	4.36%	6.10%	1.07%	4.97%
Total Retirement	14.06%	5.13%	6.83%	13.92%	15.38%	3.12%	14.40%
Supplemental Death	0.28%	0.19%	0.25%	0.16%	0.17%	0.15%	0.21%
Total Rate	14.34%	5.32%	7.08%	14.08%	15.55%	3.27%	14.61%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	11.50%	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	16.7 years	25.0 years	18.6 years	25.6 years	15.1 years	23.5 years	25.2 years
Number of annuitants	33	8	8	90	218	4	23
Number of active contributing members	66	24	36	114	370	21	50
Number of inactive members	37	16	78	131	184	16	29
Average age of contributing members	50.2 years	41.8 years	45.0 years	41.1 years	42.7 years	42.5 years	41.5 years
Average length of service of contributing members	11.2 years	5.8 years	6.6 years	7.5 years	12.3 years	6.7 years	9.9 years

	Ladonia	Lago Vista	Laguna Vista	Lake Dallas	Lake Jackson	Lake Worth	Lakeport
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$22,794	\$6,837,022	\$762,068	\$1,684,374	\$33,219,034	\$11,816,657	\$134,440
b. Noncontributing Members	20,876	1,689,839	28,521	2,191,481	6,626,484	3,342,722	112,751
c. Annuitants	44,599	2,633,581	0	5,404,686	26,557,825	7,596,575	26,165
2. Total Actuarial Accrued Liability	\$88,269	\$11,160,442	\$790,589	\$9,280,541	\$66,403,343	\$22,755,954	\$273,356
3. Actuarial value of assets	125,977	10,288,568	851,669	8,479,149	61,604,939	18,034,999	403,614
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$37,708)	\$871,874	(\$61,080)	\$801,392	\$4,798,404	\$4,720,955	(\$130,258)
5. Funded Ratio: (3) / (2)	142.7%	92.2%	107.7%	91.4%	92.8%	79.3%	147.7%
6. Annual Payroll	\$50,228	\$4,323,863	\$776,551	\$1,945,087	\$11,917,278	\$5,475,364	\$214,065
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	7.87%	6.80%	4.80%	10.43%	8.08%	10.44%	2.84%
Prior Service	-4.61%	1.32%	-0.48%	2.63%	3.96%	5.61%	-2.84%
Total Retirement	3.26%	8.12%	4.32%	13.06%	12.04%	16.05%	0.00%
Supplemental Death	0.37%	0.24%	0.17%	0.18%	0.21%	0.15%	0.10%
Total Rate	3.63%	8.36%	4.49%	13.24%	12.25%	16.20%	0.10%
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	12.50%	N/A	13.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	22.6 years	25.0 years	23.5 years	12.9 years	22.8 years	25.0 years
Number of annuitants	3	31	0	41	129	42	1
Number of active contributing members	2	90	17	31	221	97	6
Number of inactive members	6	59	9	47	177	64	3
Average age of contributing members	48.4 years	48.4 years	50.0 years	44.8 years	43.2 years	42.7 years	40.1 years
Average length of service of contributing members	2.0 years	8.4 years	8.8 years	8.4 years	10.6 years	10.5 years	6.3 years

	Lakeside	Lakeside City	Lakeway	Lamesa	Lampasas	Lancaster	Laredo
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,072,407	\$115,969	\$14,438,830	\$5,372,840	\$15,008,470	\$32,168,077	\$407,751,983
b. Noncontributing Members	258,282	27,011	2,837,044	2,030,113	1,855,993	14,196,757	22,783,797
c. Annuitants	84,102	54,989	5,550,924	8,450,637	9,903,042	39,571,756	229,611,042
2. Total Actuarial Accrued Liability	\$1,414,791	\$197,969	\$22,826,798	\$15,853,590	\$26,767,505	\$85,936,590	\$660,146,822
3. Actuarial value of assets	1,308,582	197,862	18,432,310	16,013,129	21,957,706	71,934,700	509,210,733
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$106,209	\$107	\$4,394,488	(\$159,539)	\$4,809,799	\$14,001,890	\$150,936,089
5. Funded Ratio: (3) / (2)	92.5%	99.9%	80.7%	101.0%	82.0%	83.7%	77.1%
6. Annual Payroll	\$791,096	\$193,863	\$7,172,807	\$3,561,259	\$5,501,859	\$17,701,686	\$115,662,307
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	7.54%	2.07%	10.12%	5.05%	9.65%	8.61%	9.96%
Prior Service	1.01%	0.01%	3.78%	-0.29%	5.90%	4.84%	10.81%
Total Retirement	8.55%	2.08%	13.90%	4.76%	15.55%	13.45%	20.77%
Supplemental Death	0.34%	0.27%	0.17%	0.00%	0.20%	0.14%	0.21%
Total Rate	8.89%	2.35%	14.07%	4.76%	15.75%	13.59%	20.98%
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)	12.50%	N/A	15.50%	13.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	18.4 years	5.9 years	24.9 years	25.0 years	21.6 years	25.2 years	16.1 years
Number of annuitants	4	3	57	54	65	197	979
Number of active contributing members	16	5	109	75	116	265	2,136
Number of inactive members	21	2	96	66	66	240	595
Average age of contributing members	50.5 years	53.4 years	44.2 years	45.3 years	43.7 years	39.8 years	44.6 years
Average length of service of contributing members	15.6 years	9.2 years	8.6 years	7.4 years	10.3 years	7.7 years	11.8 years

	Lavon	League City	Leander	Lefors	Leon Valley	Leonard	Levelland
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$674,929	\$79,810,554	\$29,153,532	\$50,086	\$13,603,116	\$170,039	\$12,768,642
b. Noncontributing Members	440,183	14,476,165	3,056,522	16,658	6,952,071	242,518	2,949,427
c. Annuitants	102,685	58,664,901	6,189,446	0	23,961,717	379,718	12,796,413
2. Total Actuarial Accrued Liability	\$1,217,797	\$152,951,620	\$38,399,500	\$66,744	\$44,516,904	\$792,275	\$28,514,482
3. Actuarial value of assets	1,164,113	127,763,933	31,671,770	53,746	39,033,623	877,906	26,890,108
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$53,684	\$25,187,687	\$6,727,730	\$12,998	\$5,483,281	(\$85,631)	\$1,624,374
5. Funded Ratio: (3) / (2)	95.6%	83.5%	82.5%	80.5%	87.7%	110.8%	94.3%
6. Annual Payroll	\$911,616	\$34,033,940	\$18,406,975	\$117,291	\$6,227,367	\$668,974	\$5,281,370
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.10%	9.35%	9.80%	1.68%	10.84%	1.94%	8.77%
Prior Service	0.41%	5.37%	2.24%	2.37%	6.28%	-0.79%	2.67%
Total Retirement	6.51%	14.72%	12.04%	4.05%	17.12%	1.15%	11.44%
Supplemental Death	0.17%	0.17%	0.14%	0.09%	0.20%	0.17%	0.19%
Total Rate	6.68%	14.89%	12.18%	4.14%	17.32%	1.32%	11.63%
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	15.50%	13.50%	N/A	N/A	9.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	20.9 years	19.4 years	25.1 years	5.2 years	19.9 years	25.0 years	15.1 years
Number of annuitants	3	237	54	0	101	7	53
Number of active contributing members	18	518	289	4	107	16	90
Number of inactive members	18	267	104	11	77	22	32
Average age of contributing members	45.7 years	41.9 years	42.0 years	43.0 years	44.1 years	41.3 years	44.1 years
Average length of service of contributing members	8.6 years	9.7 years	8.6 years	3.7 years	12.1 years	5.2 years	11.8 year

	Lewisville	Lexington	Liberty	Liberty Hill	Lindale	Linden	Lipan
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$158,035,576	\$192,168	\$7,057,344	\$789,548	\$5,520,534	\$360,709	\$176,442
b. Noncontributing Members	21,000,553	389,375	2,700,003	141,444	895,742	86,249	2,793
c. Annuitants	136,647,951	1,318,430	6,317,817	103,975	1,963,433	383,344	0
2. Total Actuarial Accrued Liability	\$315,684,080	\$1,899,973	\$16,075,164	\$1,034,967	\$8,379,709	\$830,302	\$179,235
3. Actuarial value of assets	271,481,331	1,704,161	11,076,018	986,378	6,130,791	886,253	173,718
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$44,202,749	\$195,812	\$4,999,146	\$48,589	\$2,248,918	(\$55,951)	\$5,517
5. Funded Ratio: (3) / (2)	86.0%	89.7%	68.9%	95.3%	73.2%	106.7%	96.9%
6. Annual Payroll	\$54,923,274	\$520,410	\$4,554,465	\$1,674,376	\$2,623,673	\$538,669	\$152,393
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	10.25%	6.34%	5.39%	6.89%	8.32%	1.92%	1.87%
Prior Service	6.32%	2.48%	12.09%	0.19%	6.47%	-0.64%	0.59%
Total Retirement	16.57%	8.82%	17.48%	7.08%	14.79%	1.28%	2.46%
Supplemental Death	0.00%	0.00%	0.00%	0.20%	0.00%	0.30%	0.27%
Total Rate	16.57%	8.82%	17.48%	7.28%	14.79%	1.58%	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)	N/A	N/A	N/A	N/A	N/A	7.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	17.3 years	22.4 years	11.6 years	22.7 years	18.3 years	25.0 years	7.1 years
Number of annuitants	429	9	42	1	12	6	0
Number of active contributing members	776	11	96	31	54	15	4
Number of inactive members	374	20	132	12	31	12	1
Average age of contributing members	41.4 years	39.5 years	42.7 years	46.6 years	43.9 years	48.8 years	55.7 years
Average length of service of contributing members	11.7 years	4.8 years	9.1 years	6.1 years	8.4 years	8.4 years	12.3 years

	Little Elm	Littlefield	Live Oak	Liverpool	Livingston	Llano	Lockhart
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$28,925,564	\$3,315,414	\$23,436,975	\$55,149	\$15,403,266	\$4,259,033	\$15,397,331
b. Noncontributing Members	5,520,519	1,541,049	5,338,747	21,571	912,833	812,809	4,607,648
c. Annuitants	4,230,641	3,828,546	15,067,829	0	11,982,495	3,517,215	13,748,370
2. Total Actuarial Accrued Liability	\$38,676,724	\$8,685,009	\$43,843,551	\$76,720	\$28,298,594	\$8,589,057	\$33,753,349
3. Actuarial value of assets	32,511,022	7,952,718	36,818,830	75,241	24,804,641	6,529,829	29,192,886
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$6,165,702	\$732,291	\$7,024,721	\$1,479	\$3,493,953	\$2,059,228	\$4,560,463
5. Funded Ratio: (3) / (2)	84.1%	91.6%	84.0%	98.1%	87.7%	76.0%	86.5%
6. Annual Payroll	\$16,512,038	\$2,370,980	\$6,762,897	\$193,445	\$4,309,274	\$2,330,044	\$6,556,913
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	11.13%	6.48%	10.56%	1.82%	8.69%	7.64%	7.35%
Prior Service	2.34%	2.45%	7.70%	0.12%	6.87%	6.95%	5.46%
Total Retirement	13.47%	8.93%	18.26%	1.94%	15.56%	14.59%	12.81%
Supplemental Death	0.12%	0.26%	0.19%	0.20%	0.23%	0.29%	0.24%
Total Rate	13.59%	9.19%	18.45%	2.14%	15.79%	14.88%	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)	13.50%	11.50%	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	24.1 years	17.8 years	18.8 years	7.6 years	15.6 years	18.6 years	18.5 years
Number of annuitants	47	47	72	0	42	41	79
Number of active contributing members	245	57	109	5	79	47	136
Number of inactive members	149	46	61	4	13	26	121
Average age of contributing members	41.2 years	43.1 years	44.4 years	43.3 years	44.9 years	46.5 years	42.9 years
Average length of service of contributing members	8.7 years	9.0 years	14.3 years	2.8 years	12.2 years	9.1 years	10.0 years

	Lockney	Lone Star	Longview	Loraine	Lorena	Lorenzo	Los Fresnos
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$66,264	\$603,348	\$82,002,405	\$4,789	\$1,105,098	\$140,226	\$3,222,636
b. Noncontributing Members	63,112	382,169	12,159,361	85,773	331,529	84,219	529,691
c. Annuitants	285,372	553,473	88,554,281	19,767	262,127	213,698	1,057,695
2. Total Actuarial Accrued Liability	\$414,748	\$1,538,990	\$182,716,047	\$110,329	\$1,698,754	\$438,143	\$4,810,022
3. Actuarial value of assets	771,681	1,583,651	165,739,882	120,261	1,510,582	584,526	4,034,011
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$356,933)	(\$44,661)	\$16,976,165	(\$9,932)	\$188,172	(\$146,383)	\$776,011
5. Funded Ratio: (3) / (2)	186.1%	102.9%	90.7%	109.0%	88.9%	133.4%	83.9%
6. Annual Payroll	\$221,610	\$469,589	\$34,793,140	\$88,761	\$713,003	\$295,841	\$2,059,967
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	2.61%	3.18%	7.19%	4.08%	9.04%	5.29%	4.98%
Prior Service	-2.61%	-0.64%	3.67%	-0.69%	1.74%	-3.04%	2.36%
Total Retirement	0.00%	2.54%	10.86%	3.39%	10.78%	2.25%	7.34%
Supplemental Death	0.32%	0.18%	0.22%	0.14%	0.20%	0.00%	0.19%
Total Rate	0.32%	2.72%	11.08%	3.53%	10.98%	2.25%	7.53%
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%	7.50%	15.50%	N/A	12.50%	9.50%	11.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	25.0 years	18.4 years	25.0 years	22.4 years	25.0 years	24.1 years
Number of annuitants	3	6	502	1	8	6	16
Number of active contributing members	7	11	648	2	19	9	54
Number of inactive members	4	14	326	8	11	8	39
Average age of contributing members	46.4 years	41.7 years	43.0 years	51.5 years	47.8 years	41.7 years	41.2 years
Average length of service of contributing members	2.7 years	9.7 years	10.3 years	0.7 years	10.0 years	3.2 years	9.7 years

	Lott	Lovelady	Lubbock	Lucas	Lufkin	Luling	Lumberton
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$130,984	\$69,028	\$292,516,686	\$2,505,908	\$51,636,032	\$5,650,788	\$6,872,027
b. Noncontributing Members	49,704	3,551	43,942,407	712,654	7,478,563	618,723	349,241
c. Annuitants	27,003	11,404	391,529,459	1,110,404	45,189,923	4,007,856	3,359,074
2. Total Actuarial Accrued Liability	\$207,691	\$83,983	\$727,988,552	\$4,328,966	\$104,304,518	\$10,277,367	\$10,580,342
3. Actuarial value of assets	222,073	76,432	618,799,822	3,660,380	86,938,042	8,987,724	8,905,339
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$14,382)	\$7,551	\$109,188,730	\$668,586	\$17,366,476	\$1,289,643	\$1,675,003
5. Funded Ratio: (3) / (2)	106.9%	91.0%	85.0%	84.6%	83.4%	87.5%	84.29
6. Annual Payroll	\$371,550	\$119,826	\$104,677,150	\$2,432,175	\$17,582,427	\$3,620,101	\$2,316,800
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	1.48%	6.23%	9.92%	10.68%	8.46%	5.81%	10.489
Prior Service	-0.24%	1.42%	7.65%	1.82%	7.71%	2.79%	5.50
Total Retirement	1.24%	7.65%	17.57%	12.50%	16.17%	8.60%	15.98
Supplemental Death	0.10%	0.13%	0.00%	0.13%	0.22%	0.30%	0.23
Total Rate	1.34%	7.78%	17.57%	12.63%	16.39%	8.90%	16.219
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	15.50%	N/A	11.50%	N/
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	4.9 years	19.1 years	22.2 years	17.5 years	17.4 years	18.1 year
Number of annuitants	4	1	1,377	17	235	42	2
Number of active contributing members	7	3	1,758	39	356	85	4
Number of inactive members	24	2	795	21	190	64	1
Average age of contributing members	37.9 years	40.7 years	43.3 years	40.3 years	43.5 years	44.8 years	44.7 yea
Average length of service of contributing members	4.0 years	4.7 years	10.6 years	6.5 years	10.5 years	9.7 years	10.3 yea

	Lyford	Lytle	Madisonville	Magnolia	Malakoff	Manor	Mansfield
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$633,446	\$3,434,235	\$2,135,724	\$815,569	\$1,797,721	\$3,588,182	\$110,758,840
b. Noncontributing Members	8,063	72,678	441,695	373,281	223,346	463,622	9,507,632
c. Annuitants	9,600	246,039	2,027,178	272,237	707,434	555,326	55,473,358
2. Total Actuarial Accrued Liability	\$651,109	\$3,752,952	\$4,604,597	\$1,461,087	\$2,728,501	\$4,607,130	\$175,739,830
3. Actuarial value of assets	526,699	3,179,674	3,962,032	1,561,916	2,413,241	3,183,238	150,450,083
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$124,410	\$573,278	\$642,565	(\$100,829)	\$315,260	\$1,423,892	\$25,289,747
5. Funded Ratio: (3) / (2)	80.9%	84.7%	86.0%	106.9%	88.4%	69.1%	85.6%
6. Annual Payroll	\$440,982	\$1,115,579	\$1,590,900	\$1,582,682	\$1,377,427	\$3,800,271	\$37,642,317
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	1.31%	6.30%	6.69%	2.01%	6.16%	5.69%	10.88%
Prior Service	2.76%	3.93%	2.80%	-0.39%	1.48%	3.42%	4.51%
Total Retirement	4.07%	10.23%	9.49%	1.62%	7.64%	9.11%	15.39%
Supplemental Death	0.00%	0.20%	0.31%	0.34%	0.25%	0.12%	0.16%
Total Rate	4.07%	10.43%	9.80%	1.96%	7.89%	9.23%	15.55%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	11.50%	11.50%	8.50%	13.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	13.0 years	18.0 years	20.7 years	25.0 years	23.1 years	14.2 years	21.8 years
Number of annuitants	1	3	24	11	15	7	196
Number of active contributing members	17	23	38	30	26	71	486
Number of inactive members	8	8	34	33	12	35	185
Average age of contributing members	45.8 years	45.0 years	43.8 years	44.4 years	49.3 years	38.0 years	41.9 years
Average length of service of contributing members	10.7 years	11.3 years	7.8 years	7.9 years	9.8 years	7.6 years	11.7 years

	Manvel	Marble Falls	Marfa	Marion	Marlin	Marquez	Marshall
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$3,039,354	\$13,131,374	\$1,527,307	\$388,154	\$1,326,269	\$109,878	\$21,602,416
b. Noncontributing Members	430,063	2,508,025	249,457	76,736	1,087,871	0	3,285,723
c. Annuitants	540,892	9,227,593	1,143,876	414,653	3,003,192	0	33,606,991
2. Total Actuarial Accrued Liability	\$4,010,309	\$24,866,992	\$2,920,640	\$879,543	\$5,417,332	\$109,878	\$58,495,130
3. Actuarial value of assets	2,845,451	22,355,172	3,208,027	1,055,688	4,844,439	3,471	51,176,664
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,164,858	\$2,511,820	(\$287,387)	(\$176,145)	\$572,893	\$106,407	\$7,318,466
5. Funded Ratio: (3) / (2)	71.0%	89.9%	109.8%	120.0%	89.4%	3.2%	87.5%
6. Annual Payroll	\$2,646,205	\$6,933,027	\$1,700,222	\$467,050	\$2,068,499	\$93,490	\$8,619,257
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.02%	7.49%	4.25%	5.74%	6.84%	2.21%	9.95%
Prior Service	4.68%	2.27%	-1.04%	-2.32%	1.87%	16.60%	6.17%
Total Retirement	10.70%	9.76%	3.21%	3.42%	8.71%	18.81%	16.12%
Supplemental Death	0.11%	0.19%	0.35%	0.43%	0.27%	0.25%	0.24%
Total Rate	10.81%	9.95%	3.56%	3.85%	8.98%	19.06%	16.36%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	13.50%	11.50%	11.50%	11.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	11.7 years	24.2 years	25.0 years	25.0 years	25.0 years	8.0 years	20.5 years
Number of annuitants	9	83	21	7	49	0	178
Number of active contributing members	49	115	39	10	54	3	185
Number of inactive members	37	65	28	12	108	0	77
Average age of contributing members	40.8 years	43.2 years	48.3 years	46.5 years	43.3 years	57.4 years	44.6 years
Average length of service of contributing members	7.4 years	10.3 years	6.3 years	10.1 years	5.0 years	11.0 years	10.4 years

	Mart	Martindale	Mason	Matador	Mathis	Maud	Maypearl
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$441,840	\$95,487	\$2,593,068	\$92,492	\$899,684	\$124,790	\$112,540
b. Noncontributing Members	416,568	89,338	348,110	4,938	804,737	33,745	114,766
c. Annuitants	407,998	12,271	656,970	143,484	1,275,604	0_	49,473
2. Total Actuarial Accrued Liability	\$1,266,406	\$197,096	\$3,598,148	\$240,914	\$2,980,025	\$158,535	\$276,779
3. Actuarial value of assets	1,546,697	160,788	3,352,269	195,471	3,627,231	118,222	272,090
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$280,291)	\$36,308	\$245,879	\$45,443	(\$647,206)	\$40,313	\$4,689
5. Funded Ratio: (3) / (2)	122.1%	81.6%	93.2%	81.1%	121.7%	74.6%	98.3%
6. Annual Payroll	\$548,176	\$123,883	\$1,204,163	\$128,213	\$2,106,281	\$263,208	\$197,364
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.17%	6.03%	4.69%	1.78%	5.53%	1.88%	2.37%
Prior Service	-3.14%	5.99%	1.88%	6.18%	-1.89%	1.59%	0.32%
Total Retirement	2.03%	12.02%	6.57%	7.96%	3.64%	3.47%	2.69%
Supplemental Death	0.25%	0.19%	0.34%	0.36%	0.25%	0.18%	0.28%
Total Rate	2.28%	12.21%	6.91%	8.32%	3.89%	3.65%	2.97%
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)	9.50%	N/A	9.50%	N/A	13.50%	N/A	7.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	5.5 years	14.0 years	6.5 years	25.0 years	12.0 years	8.9 years
Number of annuitants	8	1	11	2	28	0	3
Number of active contributing members	14	3	28	3	47	9	6
Number of inactive members	31	6	12	1	105	7	13
Average age of contributing members	45.2 years	53.7 years	49.4 years	48.7 years	40.0 years	43.3 years	51.7 years
Average length of service of contributing members	6.3 years	8.1 years	11.2 years	9.2 years	4.1 years	4.8 years	11.2 years

	McAllen	McCamey	McGregor	McKinney	McLean	McLendon-Chisholm	Meadow
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$151,997,081	\$1,562,551	\$3,919,181	\$184,950,410	\$222,523	\$15,303	\$68,312
b. Noncontributing Members	26,430,264	15,314	1,242,389	33,477,075	95,969	19,171	3,167
c. Annuitants	100,134,435	228,253	2,456,357	81,247,114	164,866	82,228	0
2. Total Actuarial Accrued Liability	\$278,561,780	\$1,806,118	\$7,617,927	\$299,674,599	\$483,358	\$116,702	\$71,479
3. Actuarial value of assets	258,502,432	1,917,493	7,176,697	255,331,894	475,456	133,717	41,726
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$20,059,348	(\$111,375)	\$441,230	\$44,342,705	\$7,902	(\$17,015)	\$29,753
5. Funded Ratio: (3) / (2)	92.8%	106.2%	94.2%	85.2%	98.4%	114.6%	58.4%
6. Annual Payroll	\$74,374,962	\$593,839	\$2,743,849	\$80,275,295	\$233,833	\$248,964	\$167,650
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	4.83%	2.82%	8.65%	11.51%	2.15%	1.94%	1.90%
Prior Service	2.98%	-1.15%	1.00%	3.39%	0.43%	-0.42%	2.34%
Total Retirement	7.81%	1.67%	9.65%	14.90%	2.58%	1.52%	4.24%
Supplemental Death	0.00%	0.15%	0.28%	0.13%	0.34%	0.08%	0.15%
Total Rate	7.81%	1.82%	9.93%	15.03%	2.92%	1.60%	4.39%
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)	13.50%	9.50%	12.50%	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	11.1 years	25.0 years	24.5 years	25.0 years	9.3 years	25.0 years	9.0 years
Number of annuitants	564	4	33	313	3	2	0
Number of active contributing members	1,584	12	57	1,116	6	7	6
Number of inactive members	446	3	47	445	4	1	7
Average age of contributing members	41.8 years	44.5 years	46.1 years	41.4 years	56.4 years	38.6 years	45.6 years
Average length of service of contributing members	10.0 years	11.2 years	10.2 years	10.3 years	8.7 years	7.0 years	4.3 years

	Meadowlakes	Meadows Place	Melissa	Memorial Villages PD	Memphis	Menard	Mercedes
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$549,218	\$3,061,473	\$4,410,662	\$3,885,431	\$985,132	\$82,451	\$11,083,949
b. Noncontributing Members	35,676	1,346,952	663,383	1,457,043	79,426	228,384	2,259,134
c. Annuitants	9,823	3,029,355	587,109	9,800,469	1,388,784	1,210,704	9,115,747
2. Total Actuarial Accrued Liability	\$594,717	\$7,437,780	\$5,661,154	\$15,142,943	\$2,453,342	\$1,521,539	\$22,458,830
3. Actuarial value of assets	606,585	6,808,305	4,080,881	12,403,863	2,562,450	1,853,009	18,168,691
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$11,868)	\$629,475	\$1,580,273	\$2,739,080	(\$109,108)	(\$331,470)	\$4,290,139
5. Funded Ratio: (3) / (2)	102.0%	91.5%	72.1%	81.9%	104.4%	121.8%	80.9%
6. Annual Payroll	\$812,195	\$1,701,874	\$2,929,851	\$3,261,163	\$625,157	\$269,820	\$4,458,909
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	2.47%	5.86%	9.36%	6.46%	4.74%	3.43%	10.83%
Prior Service	-0.09%	3.68%	3.48%	5.15%	-1.15%	-3.43%	7.26%
Total Retirement	2.38%	9.54%	12.84%	11.61%	3.59%	0.00%	18.09%
Supplemental Death	0.21%	0.14%	0.16%	0.18%	0.25%	0.00%	0.19%
Total Rate	2.59%	9.68%	13.00%	11.79%	3.84%	0.00%	18.28%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	13.50%	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	13.2 years	23.1 years	25.1 years	25.0 years	25.0 years	18.3 years
Number of annuitants	1	16	13	41	9	6	56
Number of active contributing members	19	29	54	43	18	9	106
Number of inactive members	7	30	42	24	12	7	78
Average age of contributing members	46.1 years	42.9 years	42.8 years	44.9 years	46.4 years	42.2 years	44.4 years
Average length of service of contributing members	4.1 years	11.0 years	9.9 years	11.4 years	10.1 years	4.4 years	10.0 years

	Meridian	Merkel	Mertzon	Mesquite	Mexia	Miami	Midland
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$631,975	\$585,324	\$56,569	\$220,085,754	\$8,572,653	\$165,317	\$116,117,907
b. Noncontributing Members	19,415	216,252	150,312	23,592,089	1,853,697	0	25,197,187
c. Annuitants	94,536	910,078	260,141	255,206,439	7,255,983	0	185,160,979
2. Total Actuarial Accrued Liability	\$745,926	\$1,711,654	\$467,022	\$498,884,282	\$17,682,333	\$165,317	\$326,476,073
3. Actuarial value of assets	826,916	1,425,597	252,351	434,674,334	16,144,369	113,795	288,615,641
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$80,990)	\$286,057	\$214,671	\$64,209,948	\$1,537,964	\$51,522	\$37,860,432
5. Funded Ratio: (3) / (2)	110.9%	83.3%	54.0%	87.1%	91.3%	68.8%	88.4%
6. Annual Payroll	\$443,234	\$538,235	\$201,913	\$78,628,941	\$4,195,095	\$97,280	\$48,803,414
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	4.08%	8.12%	4.74%	8.14%	9.86%	2.78%	8.61%
Prior Service	-1.12%	3.38%	7.07%	8.48%	2.25%	8.68%	5.80%
Total Retirement	2.96%	11.50%	11.81%	16.62%	12.11%	11.46%	14.41%
Supplemental Death	0.13%	0.15%	0.17%	0.00%	0.21%	0.45%	0.22%
Total Rate	3.09%	11.65%	11.98%	16.62%	12.32%	11.91%	14.63%
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)	11.50%	N/A	N/A	N/A	13.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	23.6 years	22.1 years	12.0 years	25.0 years	7.0 years	18.6 years
Number of annuitants	2	8	2	815	61	0	624
Number of active contributing members	10	14	5	1,117	95	3	731
Number of inactive members	7	18	11	422	92	0	691
Average age of contributing members	40.5 years	40.9 years	41.6 years	42.6 years	44.8 years	62.5 years	41.6 years
Average length of service of contributing members	9.2 years	5.1 years	2.2 years	11.3 years	8.6 years	12.4 years	9.4 years

	Midlothian	Milano	Miles	Milford	Mineola	Mineral Wells	Mission
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$28,305,108	\$24,908	\$50,902	\$188,104	\$2,742,493	\$11,274,577	\$61,339,759
b. Noncontributing Members	6,320,938	0	153,096	66,268	784,837	3,121,285	6,295,790
c. Annuitants	15,652,971	0	43,763	575,493	3,373,806	19,482,813	29,612,226
2. Total Actuarial Accrued Liability	\$50,279,017	\$24,908	\$247,761	\$829,865	\$6,901,136	\$33,878,675	\$97,247,775
3. Actuarial value of assets	41,958,470	16,074	322,456	731,996	7,154,435	31,855,926	87,090,836
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$8,320,547	\$8,834	(\$74,695)	\$97,869	(\$253,299)	\$2,022,749	\$10,156,939
5. Funded Ratio: (3) / (2)	83.5%	64.5%	130.1%	88.2%	103.7%	94.0%	89.6%
6. Annual Payroll	\$15,120,566	\$33,629	\$136,812	\$267,875	\$2,241,840	\$8,382,831	\$31,215,757
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	11.39%	3.72%	2.43%	3.41%	5.23%	6.74%	6.45%
Prior Service	3.37%	7.77%	-2.43%	5.02%	-0.69%	2.08%	2.07%
Total Retirement	14.76%	11.49%	0.00%	8.43%	4.54%	8.82%	8.52%
Supplemental Death	0.14%	0.64%	0.33%	0.15%	0.17%	0.24%	0.15%
Total Rate	14.90%	12.13%	0.33%	8.58%	4.71%	9.06%	8.67%
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	7.50%	N/A	11.50%	11.50%	12.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.1 years	3.7 years	25.0 years	8.9 years	25.0 years	15.3 years	23.6 years
Number of annuitants	93	0	1	6	30	118	197
Number of active contributing members	240	1	3	7	48	164	693
Number of inactive members	117	0	9	7	37	114	334
Average age of contributing members	41.0 years	69.2 years	52.1 years	35.7 years	42.0 years	44.0 years	42.4 years
Average length of service of contributing members	10.0 years	9.3 years	13.4 years	5.7 years	9.0 years	8.8 years	9.8 years

	Missouri City	Monahans	Mont Belvieu	Montgomery	Moody	Morgan's Point	Morgan's Point Resort
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$44,685,300	\$8,793,925	\$11,581,256	\$698,492	\$323,142	\$1,564,812	\$1,469,959
b. Noncontributing Members	13,622,380	1,298,000	1,683,270	327,969	14,491	508,514	1,079,569
c. Annuitants	52,126,054	4,324,532	9,565,106	312,826	516,414	2,498,954	1,242,929
2. Total Actuarial Accrued Liability	\$110,433,734	\$14,416,457	\$22,829,632	\$1,339,287	\$854,047	\$4,572,280	\$3,792,457
3. Actuarial value of assets	103,806,520	13,304,236	18,454,437	1,502,521	804,687	4,467,047	3,413,798
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$6,627,214	\$1,112,221	\$4,375,195	(\$163,234)	\$49,360	\$105,233	\$378,659
5. Funded Ratio: (3) / (2)	94.0%	92.3%	80.8%	112.2%	94.2%	97.7%	90.09
6. Annual Payroll	\$24,293,554	\$3,823,863	\$6,062,336	\$1,306,117	\$508,450	\$857,624	\$1,186,266
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.50%	5.27%	9.89%	6.82%	1.43%	9.04%	9.749
Prior Service	3.36%	2.09%	4.47%	-0.77%	0.86%	0.98%	2.08
Total Retirement	8.86%	7.36%	14.36%	6.05%	2.29%	10.02%	11.829
Supplemental Death	0.14%	0.25%	0.13%	0.00%	0.19%	0.12%	0.179
Total Rate	9.00%	7.61%	14.49%	6.05%	2.48%	10.14%	11.999
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/
Statutory Maximum Rate (Total Retirement Only)	15.50%	N/A	N/A	13.50%	7.50%	N/A	13.50
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	9.8 years	19.6 years	24.7 years	25.0 years	14.8 years	17.0 years	25.3 year
Number of annuitants	193	24	31	9	4	18	2
Number of active contributing members	346	64	96	23	12	12	3
Number of inactive members	193	47	29	25	13	4	1
Average age of contributing members	40.7 years	44.2 years	40.0 years	42.9 years	43.7 years	42.9 years	40.5 yea
Average length of service of contributing members	10.0 years	11.3 years	7.9 years	6.4 years	8.3 years	12.6 years	5.7 yea

	Morton	Moulton	Mount Enterprise	Mt. Pleasant	Mt. Vernon	Muenster	Muleshoe
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,745,471	\$629,538	\$73,482	\$21,029,245	\$2,113,138	\$442,543	\$5,134,377
b. Noncontributing Members	366,467	568,637	2,626	6,854,802	481,993	324,205	1,205,066
c. Annuitants	259,670	1,070,629	133,839	12,294,297	1,194,705	767,933	4,374,981
2. Total Actuarial Accrued Liability	\$2,371,608	\$2,268,804	\$209,947	\$40,178,344	\$3,789,836	\$1,534,681	\$10,714,424
3. Actuarial value of assets	2,531,123	2,261,859	208,644	34,010,837	3,411,907	1,838,293	8,758,180
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$159,515)	\$6,945	\$1,303	\$6,167,507	\$377,929	(\$303,612)	\$1,956,244
5. Funded Ratio: (3) / (2)	106.7%	99.7%	99.4%	84.6%	90.0%	119.8%	81.7%
6. Annual Payroll	\$379,267	\$460,509	\$98,947	\$8,419,701	\$952,398	\$538,756	\$1,421,311
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.66%	4.60%	2.17%	10.01%	8.77%	5.10%	8.81%
Prior Service	-2.63%	0.13%	0.29%	4.97%	2.63%	-3.46%	10.29%
Total Retirement	4.03%	4.73%	2.46%	14.98%	11.40%	1.64%	19.10%
Supplemental Death	0.22%	0.21%	0.19%	0.17%	0.26%	0.00%	0.22%
Total Rate	4.25%	4.94%	2.65%	15.15%	11.66%	1.64%	19.32%
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	13.50%	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	16.0 years	5.1 years	21.4 years	22.8 years	25.0 years	18.6 years
Number of annuitants	3	12	1	97	17	10	27
Number of active contributing members	9	10	1	160	24	12	32
Number of inactive members	6	20	2	96	14	8	28
Average age of contributing members	50.4 years	47.0 years	56.6 years	40.9 years	45.0 years	53.1 years	45.3 years
Average length of service of contributing members	18.8 years	10.4 years	13.1 years	9.1 years	8.9 years	6.9 years	11.5 years

	Munday	Murphy	Nacogdoches	Naples	Nash	Nassau Bay	Natalia
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$131,216	\$11,964,909	\$49,998,827	\$150,579	\$2,775,334	\$5,827,502	\$221,633
b. Noncontributing Members	47,150	5,827,167	4,956,863	55,694	127,596	1,195,024	86,737
c. Annuitants	197,568	4,701,668	49,552,173	299,954	641,309	4,013,025	69,276
2. Total Actuarial Accrued Liability	\$375,934	\$22,493,744	\$104,507,863	\$506,227	\$3,544,239	\$11,035,551	\$377,646
3. Actuarial value of assets	297,327	19,524,901	90,482,543	583,605	2,249,352	8,235,135	323,639
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$78,607	\$2,968,843	\$14,025,320	(\$77,378)	\$1,294,887	\$2,800,416	\$54,007
5. Funded Ratio: (3) / (2)	79.1%	86.8%	86.6%	115.3%	63.5%	74.6%	85.7%
6. Annual Payroll	\$303,012	\$7,926,243	\$17,289,876	\$366,808	\$1,067,582	\$2,748,323	\$431,607
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	1.55%	11.66%	8.34%	3.47%	8.96%	9.49%	2.13%
Prior Service	1.83%	2.32%	5.81%	-1.30%	8.58%	6.25%	1.04%
Total Retirement	3.38%	13.98%	14.15%	2.17%	17.54%	15.74%	3.17%
Supplemental Death	0.18%	0.16%	0.20%	0.31%	0.19%	0.18%	0.26%
Total Rate	3.56%	14.14%	14.35%	2.48%	17.73%	15.92%	3.43%
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	15.50%	N/A	9.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	20.2 years	24.7 years	19.7 years	25.0 years	20.6 years	25.0 years	16.0 years
Number of annuitants	4	39	222	. 6	. 8	27	2
Number of active contributing members	8	119	309	8	20	40	10
Number of inactive members	5	109	130	13	7	34	15
Average age of contributing members	43.3 years	41.2 years	42.8 years	50.6 years	43.6 years	45.4 years	52.9 years
Average length of service of contributing members	6.9 years	10.9 years	12.1 years	6.6 years	9.2 years	14.7 years	8.2 years

	Navasota	Nederland	Needville	New Boston	New Braunfels	New Braunfels Utilities	New Deal
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$5,900,651	\$27,915,144	\$1,676,341	\$1,361,906	\$100,865,571	\$45,634,158	\$180,414
b. Noncontributing Members	1,124,718	3,470,137	364,727	458,344	13,594,572	6,808,116	38,129
c. Annuitants	6,338,213	25,285,828	812,254	1,923,495	55,507,145	38,159,318	108,118
2. Total Actuarial Accrued Liability	\$13,363,582	\$56,671,109	\$2,853,322	\$3,743,745	\$169,967,288	\$90,601,592	\$326,661
3. Actuarial value of assets	12,754,521	59,002,254	2,799,151	3,994,314	133,634,875	74,879,883	383,165
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$609,061	(\$2,331,145)	\$54,171	(\$250,569)	\$36,332,413	\$15,721,709	(\$56,504)
5. Funded Ratio: (3) / (2)	95.4%	104.1%	98.1%	106.7%	78.6%	82.6%	117.3%
6. Annual Payroll	\$3,344,260	\$8,558,760	\$894,044	\$1,405,834	\$39,701,875	\$18,475,786	\$232,898
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.87%	8.14%	3.76%	3.16%	11.22%	10.02%	2.35%
Prior Service	1.73%	-1.67%	0.45%	-1.09%	5.63%	7.20%	-1.63%
Total Retirement	7.60%	6.47%	4.21%	2.07%	16.85%	17.22%	0.72%
Supplemental Death	0.22%	0.00%	0.48%	0.23%	0.15%	0.15%	0.00%
Total Rate	7.82%	6.47%	4.69%	2.30%	17.00%	17.37%	0.72%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	11.50%	N/A	9.50%	7.50%	N/A	N/A	7.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	13.5 years	25.0 years	19.5 years	25.0 years	25.0 years	15.7 years	25.0 years
Number of annuitants	50	97	9	17	258	120	2
Number of active contributing members	72	120	18	39	612	292	4
Number of inactive members	53	28	12	31	301	82	4
Average age of contributing members	43.0 years	45.2 years	55.6 years	47.9 years	41.8 years	41.3 years	57.5 years
Average length of service of contributing members	9.7 years	15.7 years	13.1 years	8.2 years	10.6 years	8.6 years	8.0 years

	New Fairview	New London	New Summerfield	New Waverly	Newark	Newton	Nixon
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$150,505	\$744,726	\$381,682	\$420,117	\$49,738	\$3,353,501	\$483,922
b. Noncontributing Members	0	125,243	85,954	0	1,626	25,825	132,104
c. Annuitants	15,715	201,173	58,708	282,006	31,221	3,177,254	193,443
2. Total Actuarial Accrued Liability	\$166,220	\$1,071,142	\$526,344	\$702,123	\$82,585	\$6,556,580	\$809,469
3. Actuarial value of assets	104,665	1,092,413	540,168	663,570	68,021	5,112,710	876,184
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$61,555	(\$21,271)	(\$13,824)	\$38,553	\$14,564	\$1,443,870	(\$66,715)
5. Funded Ratio: (3) / (2)	63.0%	102.0%	102.6%	94.5%	82.4%	78.0%	108.2%
6. Annual Payroll	\$74,975	\$346,919	\$359,724	\$222,953	\$250,183	\$1,036,855	\$686,659
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	1.05%	3.77%	7.94%	5.30%	1.72%	10.52%	1.24%
Prior Service	9.64%	-0.38%	-0.24%	2.33%	1.23%	10.62%	-0.60%
Total Retirement	10.69%	3.39%	7.70%	7.63%	2.95%	21.14%	0.64%
Supplemental Death	0.13%	0.00%	0.00%	0.37%	0.11%	0.28%	0.19%
Total Rate	10.82%	3.39%	7.70%	8.00%	3.06%	21.42%	0.83%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	10.53%	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	13.50%	9.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	10.3 years	25.0 years	25.0 years	8.8 years	5.2 years	18.1 years	25.0 years
Number of annuitants	1	4	5	3	1	15	6
Number of active contributing members	1	8	9	4	6	21	19
Number of inactive members	0	6	8	0	3	5	29
Average age of contributing members	38.5 years	50.4 years	45.9 years	56.6 years	45.2 years	43.4 years	43.2 years
Average length of service of contributing members	16.8 years	14.1 years	7.4 years	19.0 years	2.7 years	12.4 years	6.6 years

	Nocona	Nolanville	Normangee	North Richland Hills	Northlake	O'Donnell	Oak Point
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,695,987	\$115,100	\$19,476	\$108,979,024	\$2,726,907	\$97,634	\$1,785,138
b. Noncontributing Members	361,339	92,807	39,477	21,613,090	574,426	47,513	783,664
c. Annuitants	855,008	27,794	133,546	126,870,900	110,772	101,948	246,006
2. Total Actuarial Accrued Liability	\$2,912,334	\$235,701	\$192,499	\$257,463,014	\$3,412,105	\$247,095	\$2,814,808
3. Actuarial value of assets	2,533,132	197,577	283,842	230,315,347	2,982,870	206,624	2,507,615
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$379,202	\$38,124	(\$91,343)	\$27,147,667	\$429,235	\$40,471	\$307,193
5. Funded Ratio: (3) / (2)	87.0%	83.8%	147.5%	89.5%	87.4%	83.6%	89.1%
6. Annual Payroll	\$777,512	\$605,773	\$142,716	\$37,029,808	\$2,248,455	\$113,559	\$1,718,689
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.61%	1.69%	4.80%	10.98%	8.74%	1.67%	6.25%
Prior Service	3.50%	0.43%	-3.93%	5.36%	1.23%	5.80%	1.24%
Total Retirement	10.11%	2.12%	0.87%	16.34%	9.97%	7.47%	7.49%
Supplemental Death	0.31%	0.13%	0.20%	0.00%	0.10%	0.20%	0.12%
Total Rate	10.42%	2.25%	1.07%	16.34%	10.07%	7.67%	7.61%
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)	11.50%	N/A	11.50%	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	19.7 years	21.4 years	25.0 years	19.2 years	23.2 years	7.3 years	20.7 years
Number of annuitants	16	2	3	382	4	2	7
Number of active contributing members	20	16	4	544	33	3	27
Number of inactive members	25	21	8	301	27	1	32
Average age of contributing members	50.6 years	39.2 years	44.0 years	42.2 years	38.5 years	53.5 years	40.7 years
Average length of service of contributing members	9.9 years	5.7 years	1.4 years	12.1 years	8.5 years	14.8 years	7.9 years

	Oak Ridge North	Odem	Odessa	Oglesby	Old River-Winfree	Olmos Park	Olney
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$6,448,796	\$421,530	\$103,330,206	\$8,786	\$41,095	\$1,202,870	\$585,124
b. Noncontributing Members	1,671,633	13,715	23,358,294	0	5,511	1,503,080	248,114
c. Annuitants	2,483,471	803,564	139,619,490	69,849	0	2,862,437	378,495
2. Total Actuarial Accrued Liability	\$10,603,900	\$1,238,809	\$266,307,990	\$78,635	\$46,606	\$5,568,387	\$1,211,733
3. Actuarial value of assets	9,483,273	911,441	233,388,940	78,895	72,049	5,927,937	1,167,151
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,120,627	\$327,368	\$32,919,050	(\$260)	(\$25,443)	(\$359,550)	\$44,582
5. Funded Ratio: (3) / (2)	89.4%	73.6%	87.6%	100.3%	154.6%	106.5%	96.3%
6. Annual Payroll	\$2,710,944	\$498,739	\$42,440,344	\$48,003	\$35,751	\$1,886,835	\$727,724
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	8.85%	5.26%	7.90%	1.11%	2.39%	3.82%	6.46%
Prior Service	2.55%	4.44%	5.54%	-0.04%	-2.39%	-1.17%	0.44%
Total Retirement	11.40%	9.70%	13.44%	1.07%	0.00%	2.65%	6.90%
Supplemental Death	0.20%	0.36%	0.20%	0.18%	0.00%	0.00%	0.24%
Total Rate	11.60%	10.06%	13.64%	1.25%	0.00%	2.65%	7.14%
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	7.50%	11.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	24.8 years	21.5 years	19.8 years	25.0 years	25.0 years	25.0 years	22.1 years
Number of annuitants	13	10	542	2	0	38	8
Number of active contributing members	41	15	692	2	1	36	21
Number of inactive members	31	7	503	0	1	74	13
Average age of contributing members	44.4 years	49.1 years	42.6 years	37.0 years	57.2 years	40.5 years	46.4 years
Average length of service of contributing members	11.0 years	6.6 years	9.5 years	3.3 years	12.6 years	7.2 years	6.1 years

	Omaha	Onalaska	Orange	Orange Grove	Ore City	Overton	Ovilla
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$171,898	\$209,402	\$31,655,467	\$504,535	\$118,520	\$590,224	\$1,864,734
b. Noncontributing Members	101,224	67,197	6,137,453	69,315	144,769	415,986	742,005
c. Annuitants	50,008	27,247	35,487,126	634,971	119,314	375,031	687,667
2. Total Actuarial Accrued Liability	\$323,130	\$303,846	\$73,280,046	\$1,208,821	\$382,603	\$1,381,241	\$3,294,406
3. Actuarial value of assets	252,706	375,435	66,720,491	1,282,312	401,906	1,568,587	2,979,190
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$70,424	(\$71,589)	\$6,559,555	(\$73,491)	(\$19,303)	(\$187,346)	\$315,216
5. Funded Ratio: (3) / (2)	78.2%	123.6%	91.0%	106.1%	105.0%	113.6%	90.4%
6. Annual Payroll	\$219,989	\$492,623	\$9,195,194	\$380,048	\$377,248	\$749,099	\$1,279,678
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	1.94%	2.98%	10.11%	8.39%	1.33%	4.70%	8.26%
Prior Service	3.20%	-0.89%	5.05%	-1.19%	-0.31%	-1.54%	1.57%
Total Retirement	5.14%	2.09%	15.16%	7.20%	1.02%	3.16%	9.83%
Supplemental Death	0.23%	0.15%	0.00%	0.17%	0.11%	0.19%	0.16%
Total Rate	5.37%	2.24%	15.16%	7.37%	1.13%	3.35%	9.99%
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	9.50%	N/A	12.50%	7.50%	12.50%	13.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	12.6 years	25.0 years	20.1 years	25.0 years	25.0 years	25.0 years	23.7 years
Number of annuitants	1	4	134	5	3	12	15
Number of active contributing members	6	12	148	9	9	21	28
Number of inactive members	2	15	64	14	6	26	35
Average age of contributing members	50.8 years	43.7 years	45.3 years	45.1 years	41.5 years	44.2 years	42.9 years
Average length of service of contributing members	8.8 years	4.7 years	13.0 years	7.7 years	4.2 years	7.0 years	10.3 years

	Oyster Creek	Paducah	Palacios	Palestine	Palmer	Palmhurst	Palmview
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,045,398	\$56,912	\$2,198,775	\$15,124,085	\$1,438,814	\$595,891	\$844,606
b. Noncontributing Members	169,046	157,483	1,614,220	4,382,073	548,016	172,591	669,949
c. Annuitants	1,206,082	992,764	2,622,010	27,287,387	346,651	59,417	332,245
2. Total Actuarial Accrued Liability	\$3,420,526	\$1,207,159	\$6,435,005	\$46,793,545	\$2,333,481	\$827,899	\$1,846,800
3. Actuarial value of assets	2,998,536	1,452,749	5,083,176	38,314,159	1,924,712	811,240	1,507,347
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$421,990	(\$245,590)	\$1,351,829	\$8,479,386	\$408,769	\$16,659	\$339,453
5. Funded Ratio: (3) / (2)	87.7%	120.3%	79.0%	81.9%	82.5%	98.0%	81.6%
6. Annual Payroll	\$1,127,018	\$165,145	\$1,494,018	\$8,995,409	\$1,213,127	\$1,155,291	\$2,773,699
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	8.20%	4.49%	10.83%	7.79%	8.93%	5.64%	1.16%
Prior Service	2.56%	-4.49%	6.44%	5.79%	2.11%	0.09%	0.83%
Total Retirement	10.76%	0.00%	17.27%	13.58%	11.04%	5.73%	1.99%
Supplemental Death	0.22%	0.29%	0.27%	0.21%	0.11%	0.11%	0.09%
Total Rate	10.98%	0.29%	17.54%	13.79%	11.15%	5.84%	2.08%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	9.50%	N/A	N/A	13.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	21.1 years	25.0 years	20.4 years	25.0 years	24.3 years	22.5 years	21.3 years
Number of annuitants	17	12	21	161	7	4	4
Number of active contributing members	23	4	33	168	23	25	67
Number of inactive members	6	7	45	141	31	39	37
Average age of contributing members	44.5 years	45.9 years	45.7 years	42.2 years	39.1 years	39.0 years	36.8 years
Average length of service of contributing members	8.5 years	3.1 years	7.4 years	8.6 years	5.0 years	6.0 years	5.1 years

	Pampa	Panhandle	Panorama Village	Pantego	Paris	Parker	Pasadena
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$19,779,522	\$1,886,784	\$980,575	\$2,762,660	\$28,927,166	\$1,905,679	\$227,097,979
b. Noncontributing Members	2,335,967	522,456	117,681	3,628,374	6,342,786	388,120	30,101,418
c. Annuitants	24,389,337	938,372	935,850	9,931,502	28,387,070	1,615,058	202,609,768
2. Total Actuarial Accrued Liability	\$46,504,826	\$3,347,612	\$2,034,106	\$16,322,536	\$63,657,022	\$3,908,857	\$459,809,165
3. Actuarial value of assets	34,065,199	2,797,932	2,027,510	13,678,360	61,024,239	2,998,537	428,422,784
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$12,439,627	\$549,680	\$6,596	\$2,644,176	\$2,632,783	\$910,320	\$31,386,381
5. Funded Ratio: (3) / (2)	73.3%	83.6%	99.7%	83.8%	95.9%	76.7%	93.2%
6. Annual Payroll	\$7,661,461	\$864,736	\$648,737	\$2,618,276	\$12,123,962	\$1,517,626	\$66,325,479
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	9.13%	7.09%	6.19%	10.62%	4.14%	7.82%	9.23%
Prior Service	12.35%	4.16%	0.09%	6.55%	3.04%	4.60%	4.23%
Total Retirement	21.48%	11.25%	6.28%	17.17%	7.18%	12.42%	13.46%
Supplemental Death	0.25%	0.00%	0.41%	0.16%	0.25%	0.17%	0.24%
Total Rate	21.73%	11.25%	6.69%	17.33%	7.43%	12.59%	13.70%
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	12.50%	N/A	N/A	13.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	18.1 years	22.6 years	14.2 years	25.2 years	8.4 years	17.9 years	14.9 years
Number of annuitants	146	11	14	51	225	9	748
Number of active contributing members	151	18	12	42	246	25	1,020
Number of inactive members	94	14	7	94	134	12	303
Average age of contributing members	42.3 years	45.1 years	53.6 years	42.7 years	44.6 years	45.5 years	44.4 years
Average length of service of contributing members	9.5 years	10.4 years	10.8 years	10.5 years	12.2 years	14.2 years	12.6 years

	Pearland	Pearsall	Pecos City	Pelican Bay	Penitas	Perryton	Pflugerville
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$97,917,795	\$3,353,307	\$7,203,206	\$230,298	\$482,997	\$15,381,938	\$37,067,287
b. Noncontributing Members	17,340,356	1,348,183	1,890,573	2,820	122,738	1,509,472	10,909,344
c. Annuitants	43,038,348	2,065,912	6,670,340	0	11,447	6,885,473	19,299,091
2. Total Actuarial Accrued Liability	\$158,296,499	\$6,767,402	\$15,764,119	\$233,118	\$617,182	\$23,776,883	\$67,275,722
3. Actuarial value of assets	134,474,637	6,114,505	15,611,766	61,667	421,884	20,987,245	55,624,918
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$23,821,862	\$652,897	\$152,353	\$171,451	\$195,298	\$2,789,638	\$11,650,804
5. Funded Ratio: (3) / (2)	85.0%	90.4%	99.0%	26.5%	68.4%	88.3%	82.7%
6. Annual Payroll	\$46,985,502	\$2,638,680	\$6,168,297	\$483,200	\$1,347,235	\$3,982,196	\$20,958,252
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	10.02%	3.14%	5.98%	1.39%	3.17%	8.00%	10.04%
Prior Service	3.12%	1.55%	0.16%	2.96%	0.94%	6.96%	3.42%
Total Retirement	13.14%	4.69%	6.14%	4.35%	4.11%	14.96%	13.46%
Supplemental Death	0.12%	0.18%	0.21%	0.09%	0.09%	0.27%	0.14%
Total Rate	13.26%	4.87%	6.35%	4.44%	4.20%	15.23%	13.60%
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)	15.50%	8.50%	11.50%	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	24.2 years	23.7 years	16.0 years	23.0 years	12.7 years	24.9 years
Number of annuitants	225	24	66	0	1	37	86
Number of active contributing members	681	66	127	15	36	80	345
Number of inactive members	317	76	122	4	30	72	182
Average age of contributing members	41.1 years	40.9 years	44.6 years	39.4 years	36.9 years	43.8 years	41.1 years
Average length of service of contributing members	9.4 years	8.5 years	7.0 years	4.6 years	4.2 years	11.1 years	8.3 years

	Pharr	Pilot Point	Pinehurst	Pineland	Piney Point Village	Pittsburg	Plains
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$45,918,423	\$1,965,726	\$2,533,672	\$1,302,244	\$255,559	\$3,654,783	\$1,161,249
b. Noncontributing Members	7,849,713	1,272,794	337,029	17,515	173,157	416,715	35,866
c. Annuitants	32,787,325	1,736,768	3,372,522	1,034,900	198,780	4,230,912	669,952
2. Total Actuarial Accrued Liability	\$86,555,461	\$4,975,288	\$6,243,223	\$2,354,659	\$627,496	\$8,302,410	\$1,867,067
3. Actuarial value of assets	76,682,758	4,195,339	4,804,509	2,323,171	617,210	7,635,931	1,917,427
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$9,872,703	\$779,949	\$1,438,714	\$31,488	\$10,286	\$666,479	(\$50,360)
5. Funded Ratio: (3) / (2)	88.6%	84.3%	77.0%	98.7%	98.4%	92.0%	102.7%
6. Annual Payroll	\$29,862,376	\$2,467,396	\$1,154,520	\$510,822	\$501,102	\$1,554,569	\$382,610
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.30%	9.54%	11.54%	5.21%	6.63%	9.51%	5.03%
Prior Service	2.56%	1.96%	8.28%	1.03%	0.29%	3.85%	-0.81%
Total Retirement	7.86%	11.50%	19.82%	6.24%	6.92%	13.36%	4.22%
Supplemental Death	0.14%	0.15%	0.25%	0.25%	0.23%	0.21%	0.22%
Total Rate	8.00%	11.65%	20.07%	6.49%	7.15%	13.57%	4.44%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	12.50%	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	17.7 years	24.6 years	24.9 years	6.9 years	8.1 years	15.5 years	25.0 years
Number of annuitants	222	21	30	6	5	21	5
Number of active contributing members	618	50	21	14	5	35	8
Number of inactive members	167	62	9	3	8	30	4
Average age of contributing members	40.4 years	41.8 years	47.9 years	48.3 years	56.3 years	42.9 years	44.4 years
Average length of service of contributing members	9.0 years	6.5 years	9.9 years	11.6 years	16.3 years	8.7 years	12.7 years

	Plainview	Plano	Pleasanton	Point	Ponder	Port Aransas	Port Arthur
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$13,672,749	\$547,339,447	\$8,615,464	\$250,955	\$803,738	\$9,584,575	\$86,618,108
b. Noncontributing Members	5,596,822	65,698,718	2,646,861	178,915	92,678	914,997	12,024,348
c. Annuitants	22,661,267	453,248,011	8,470,656	147,154	58,149	5,959,335	104,267,555
2. Total Actuarial Accrued Liability	\$41,930,838	\$1,066,286,176	\$19,732,981	\$577,024	\$954,565	\$16,458,907	\$202,910,011
3. Actuarial value of assets	39,468,896	959,057,583	14,859,663	484,769	888,011	13,308,370	173,942,376
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,461,942	\$107,228,593	\$4,873,318	\$92,255	\$66,554	\$3,150,537	\$28,967,635
5. Funded Ratio: (3) / (2)	94.1%	89.9%	75.3%	84.0%	93.0%	80.9%	85.7%
6. Annual Payroll	\$6,437,980	\$171,076,692	\$5,146,278	\$377,881	\$743,470	\$5,837,617	\$36,631,421
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	9.28%	11.33%	9.12%	10.51%	5.49%	8.36%	6.99%
Prior Service	2.99%	5.38%	6.10%	2.61%	0.73%	3.31%	6.75%
Total Retirement	12.27%	16.71%	15.22%	13.12%	6.22%	11.67%	13.74%
Supplemental Death	0.00%	0.00%	0.16%	0.00%	0.42%	0.24%	0.25%
Total Rate	12.27%	16.71%	15.38%	13.12%	6.64%	11.91%	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)	N/A	N/A	N/A	N/A	N/A	12.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	18.5 years	15.4 years	23.2 years	12.0 years	16.6 years	25.1 years	15.5 years
Number of annuitants	113	1,275	44	. 3	3	53	489
Number of active contributing members	137	2,410	101	11	14	109	556
Number of inactive members	50	1,072	80	17	6	66	149
Average age of contributing members	46.3 years	43.3 years	40.7 years	35.1 years	54.9 years	47.9 years	47.2 years
Average length of service of contributing members	9.7 years	12.0 years	7.2 years	3.9 years	10.0 years	8.5 years	12.4 years

	Port Isabel	Port Lavaca	Port Neches	Portland	Post	Poteet	Poth
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,395,476	\$4,066,730	\$20,783,091	\$15,659,784	\$992,878	\$494,172	\$486,067
b. Noncontributing Members	875,324	1,805,332	1,380,762	2,171,670	368,097	158,143	33,563
c. Annuitants	2,018,235	5,542,526	26,144,126	10,008,705	953,350	667,520	182,416
2. Total Actuarial Accrued Liability	\$5,289,035	\$11,414,588	\$48,307,979	\$27,840,159	\$2,314,325	\$1,319,835	\$702,046
3. Actuarial value of assets	5,452,024	10,613,522	44,194,574	22,592,351	1,629,607	1,569,008	591,802
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$162,989)	\$801,066	\$4,113,405	\$5,247,808	\$684,718	(\$249,173)	\$110,244
5. Funded Ratio: (3) / (2)	103.1%	93.0%	91.5%	81.2%	70.4%	118.9%	84.3%
6. Annual Payroll	\$2,505,921	\$3,842,506	\$7,091,163	\$7,230,625	\$780,966	\$962,786	\$430,898
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	4.08%	4.61%	8.96%	8.06%	6.70%	3.73%	2.34%
Prior Service	-0.40%	1.28%	4.23%	5.12%	7.56%	-1.59%	1.93%
Total Retirement	3.68%	5.89%	13.19%	13.18%	14.26%	2.14%	4.27%
Supplemental Death	0.17%	0.25%	0.00%	0.23%	0.43%	0.18%	0.34%
Total Rate	3.85%	6.14%	13.19%	13.41%	14.69%	2.32%	4.61%
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)	9.50%	9.50%	N/A	N/A	N/A	9.50%	9.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	25.0 years	19.7 years	20.2 years	15.7 years	25.0 years	18.3 years
Number of annuitants	29	69	85	66	14	12	4
Number of active contributing members	72	84	95	133	20	26	10
Number of inactive members	73	121	27	88	16	41	11
Average age of contributing members	41.2 years	40.5 years	41.5 years	43.2 years	48.1 years	40.9 years	49.4 years
Average length of service of contributing members	6.9 years	6.6 years	14.1 years	10.2 years	6.0 years	7.1 years	9.5 years

	Pottsboro	Prairie View	Premont	Presidio	Primera	Princeton	Prosper
SUMMARY OF ACTUARIAL INFORMATION							·
Actuarial Accrued Liability							
a. Contributing Members	\$975.127	\$382,362	\$214,639	\$828,169	\$293,307	\$4.337.718	\$15,122,137
b. Noncontributing Members	281,396	6,512	63,378	566,985	91,420	813,770	4,738,893
c. Annuitants	159,917	0	343,150	168,792	162,583	1,852,162	1,639,375
2. Total Actuarial Accrued Liability	\$1,416,440	\$388,874	\$621,167	\$1,563,946	\$547,310	\$7,003,650	\$21,500,405
3. Actuarial value of assets	1,374,265	128,115	968,390	1,751,368	656,627	6,508,882	18,519,767
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$42,175	\$260,759	(\$347,223)	(\$187,422)	(\$109,317)	\$494,768	\$2,980,638
5. Funded Ratio: (3) / (2)	97.0%	32.9%	155.9%	112.0%	120.0%	92.9%	86.1%
6. Annual Payroll	\$938,105	\$782,836	\$563,522	\$1,602,522	\$568,335	\$4,449,262	\$13,457,675
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.45%	1.99%	1.92%	1.47%	1.15%	10.06%	12.16%
Prior Service	0.30%	2.29%	-1.92%	-0.72%	-1.15%	0.69%	1.38%
Total Retirement	6.75%	4.28%	0.00%	0.75%	0.00%	10.75%	13.54%
Supplemental Death	0.18%	0.20%	0.30%	0.22%	0.13%	0.12%	0.00%
Total Rate	6.93%	4.48%	0.30%	0.97%	0.13%	10.87%	13.54%
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)	13.50%	N/A	7.50%	N/A	7.50%	13.50%	15.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	22.3 years	21.0 years	25.0 years	25.0 years	25.0 years	24.5 years	24.3 years
Number of annuitants	11	. 0	10	6	4	18	19
Number of active contributing members	20	21	18	42	18	83	189
Number of inactive members	14	3	18	33	21	26	91
Average age of contributing members	44.7 years	48.7 years	48.6 years	45.7 years	41.4 years	41.1 years	41.3 years
Average length of service of contributing members	11.5 years	5.9 years	4.4 years	7.3 years	6.1 years	5.9 years	8.1 years

	Providence Village	Quanah	Queen City	Quinlan	Quintana	Quitaque	Quitman
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$222,525	\$592,383	\$453,810	\$575,209	\$47,271	\$219,293	\$2,812,412
b. Noncontributing Members	0	236,277	278,616	99,374	61,163	0	312,402
c. Annuitants	0	2,422,746	5,993	50,106	0	33,634	1,049,625
2. Total Actuarial Accrued Liability	\$222,525	\$3,251,406	\$738,419	\$724,689	\$108,434	\$252,927	\$4,174,439
3. Actuarial value of assets	160,037	3,084,737	807,593	744,710	103,263	228,856	4,289,625
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$62,488	\$166,669	(\$69,174)	(\$20,021)	\$5,171	\$24,071	(\$115,186)
5. Funded Ratio: (3) / (2)	71.9%	94.9%	109.4%	102.8%	95.2%	90.5%	102.8%
6. Annual Payroll	\$495,303	\$507,798	\$465,953	\$700,294	\$177,280	\$127,670	\$1,023,960
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.70%	5.03%	2.62%	10.14%	2.40%	1.38%	6.26%
Prior Service	1.89%	4.05%	-0.91%	-0.18%	0.47%	3.22%	-0.69%
Total Retirement	7.59%	9.08%	1.71%	9.96%	2.87%	4.60%	5.57%
Supplemental Death	0.20%	0.31%	0.34%	0.11%	0.17%	0.25%	0.23%
Total Rate	7.79%	9.39%	2.05%	10.07%	3.04%	4.85%	5.80%
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	7.50%	12.50%	N/A	N/A	11.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	7.8 years	10.2 years	25.0 years	25.0 years	7.1 years	6.7 years	25.0 years
Number of annuitants	0	17	3	2	0	1	10
Number of active contributing members	8	12	12	18	3	4	23
Number of inactive members	0	8	23	20	6	0	11
Average age of contributing members	49.0 years	42.4 years	45.9 years	40.1 years	53.5 years	45.3 years	43.9 years
Average length of service of contributing members	9.2 years	8.9 years	6.9 years	8.1 years	2.4 years	13.5 years	11.5 years

	Ralls	Rancho Viejo	Ranger	Rankin	Ransom Canyon	Raymondville	Red Oak
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$274,419	\$1,616,645	\$1,368,961	\$98,558	\$1,669,241	\$3,088,658	\$6,143,867
b. Noncontributing Members	170,865	88,323	413,501	127,962	83,336	604,642	1,670,000
c. Annuitants	1,232,630	1,040,821	294,673	455,497	322,874	4,381,799	2,135,234
2. Total Actuarial Accrued Liability	\$1,677,914	\$2,745,789	\$2,077,135	\$682,017	\$2,075,451	\$8,075,099	\$9,949,101
3. Actuarial value of assets	1,586,670	2,662,806	2,221,269	701,820	1,405,859	9,304,035	8,653,376
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$91,244	\$82,983	(\$144,134)	(\$19,803)	\$669,592	(\$1,228,936)	\$1,295,725
5. Funded Ratio: (3) / (2)	94.6%	97.0%	106.9%	102.9%	67.7%	115.2%	87.0%
6. Annual Payroll	\$374,270	\$576,224	\$837,363	\$208,958	\$548,566	\$2,233,473	\$6,388,530
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.72%	5.08%	8.95%	1.29%	5.17%	4.36%	5.81%
Prior Service	2.03%	1.63%	-1.06%	-0.58%	10.57%	-3.38%	1.29%
Total Retirement	7.75%	6.71%	7.89%	0.71%	15.74%	0.98%	7.10%
Supplemental Death	0.57%	0.11%	0.00%	0.22%	0.25%	0.26%	0.13%
Total Rate	8.32%	6.82%	7.89%	0.93%	15.99%	1.24%	7.23%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	11.50%	12.50%	7.50%	N/A	15.50%	13.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	17.6 years	10.8 years	25.0 years	25.0 years	15.2 years	25.0 years	23.8 years
Number of annuitants	10	2	7	4	. 3	49	28
Number of active contributing members	11	10	21	3	12	70	99
Number of inactive members	12	6	67	4	2	35	63
Average age of contributing members	51.4 years	38.9 years	39.4 years	42.8 years	46.7 years	41.5 years	40.3 years
Average length of service of contributing members	7.5 years	12.4 years	6.1 years	8.1 years	13.3 years	7.1 years	8.8 years

	Redwater	Refugio	Reklaw	Reno (Lamar County)	Reno (Parker County)	Rhome	Rice
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$178,151	\$1,037,627	\$483,277	\$605,162	\$239,886	\$232,900	\$121,959
b. Noncontributing Members	104,311	80,244	728,030	368,400	79,881	611,505	70,834
c. Annuitants	0	806,998	258,724	41,005	29,910	333,278	53,725
2. Total Actuarial Accrued Liability	\$282,462	\$1,924,869	\$1,470,031	\$1,014,567	\$349,677	\$1,177,683	\$246,518
3. Actuarial value of assets	271,164	2,562,456	1,284,228	1,121,986	398,699	1,166,539	271,304
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$11,298	(\$637,587)	\$185,803	(\$107,419)	(\$49,022)	\$11,144	(\$24,786)
5. Funded Ratio: (3) / (2)	96.0%	133.1%	87.4%	110.6%	114.0%	99.1%	110.1%
6. Annual Payroll	\$247,769	\$1,222,495	\$234,644	\$590,833	\$682,228	\$754,255	\$359,125
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	2.60%	1.05%	8.18%	5.54%	4.55%	6.98%	1.62%
Prior Service	0.59%	-1.05%	8.58%	-1.14%	-0.44%	0.14%	-0.42%
Total Retirement	3.19%	0.00%	16.76%	4.40%	4.11%	7.12%	1.20%
Supplemental Death	0.16%	0.00%	0.30%	0.10%	0.20%	0.14%	0.13%
Total Rate	3.35%	0.00%	17.06%	4.50%	4.31%	7.26%	1.33%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	N/A	11.50%	N/A	13.50%	7.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	9.2 years	25.0 years	12.1 years	25.0 years	25.0 years	14.0 years	25.0 years
Number of annuitants	0	18	3	1	5	10	2
Number of active contributing members	7	29	5	14	17	17	12
Number of inactive members	1	9	3	10	17	20	16
Average age of contributing members	50.4 years	45.4 years	50.5 years	41.4 years	39.4 years	39.8 years	41.4 years
Average length of service of contributing members	6.3 years	9.9 years	10.0 years	8.3 years	7.2 years	7.3 years	4.3 years

	Richardson	Richland Hills	Richland Springs	Richmond	Richwood	Riesel	Rio Grande City
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$244,801,624	\$6,273,108	\$8,469	\$22,550,197	\$1,165,893	\$330,729	\$6,316,504
b. Noncontributing Members	42,232,735	6,596,470	0	4,339,415	401,065	101,702	1,669,622
c. Annuitants	258,055,312	18,979,313	97,502	18,420,560	2,603,594	58,631	2,334,989
2. Total Actuarial Accrued Liability	\$545,089,671	\$31,848,891	\$105,971	\$45,310,172	\$4,170,552	\$491,062	\$10,321,115
3. Actuarial value of assets	490,140,485	29,062,418	203,744	40,103,031	3,568,708	339,031	9,358,753
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$54,949,186	\$2,786,473	(\$97,773)	\$5,207,141	\$601,844	\$152,031	\$962,362
5. Funded Ratio: (3) / (2)	89.9%	91.3%	192.3%	88.5%	85.6%	69.0%	90.7%
6. Annual Payroll	\$76,121,946	\$4,933,927	\$23,245	\$9,183,565	\$1,289,755	\$342,091	\$5,651,543
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	7.97%	11.71%	5.65%	10.35%	7.93%	1.09%	5.79%
Prior Service	6.75%	3.92%	-5.65%	4.28%	3.16%	4.74%	1.04%
Total Retirement	14.72%	15.63%	0.00%	14.63%	11.09%	5.83%	6.83%
Supplemental Death	0.00%	0.21%	0.25%	0.17%	0.14%	0.18%	0.14%
Total Rate	14.72%	15.84%	0.25%	14.80%	11.23%	6.01%	6.97%
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	N/A	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	13.7 years	20.7 years	25.0 years	18.3 years	21.4 years	11.6 years	25.1 years
Number of annuitants	730	101	2	75	18	2	21
Number of active contributing members	991	79	1	159	27	7	142
Number of inactive members	436	115	0	103	20	7	103
Average age of contributing members	43.8 years	41.5 years	49.5 years	41.7 years	43.2 years	40.0 years	42.7 years
Average length of service of contributing members	13.9 years	9.5 years	2.3 years	11.2 years	7.3 years	9.9 years	7.3 years

	Rio Vista	Rising Star	River Oaks	Roanoke	Robert Lee	Robinson	Robstown
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$67,580	\$50,086	\$5,838,188	\$28,562,850	\$5,181	\$9,274,772	\$6,968,173
b. Noncontributing Members	323,707	109,674	1,481,903	6,718,513	10,691	1,184,986	1,449,265
c. Annuitants	154,421	17,588	6,591,600	4,079,803	149,119	3,124,431	7,884,718
2. Total Actuarial Accrued Liability	\$545,708	\$177,348	\$13,911,691	\$39,361,166	\$164,991	\$13,584,189	\$16,302,156
3. Actuarial value of assets	491,017	256,581	12,516,726	31,649,766	113,789	10,633,932	15,336,356
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$54,691	(\$79,233)	\$1,394,965	\$7,711,400	\$51,202	\$2,950,257	\$965,800
5. Funded Ratio: (3) / (2)	90.0%	144.7%	90.0%	80.4%	69.0%	78.3%	94.1%
6. Annual Payroll	\$244,580	\$267,083	\$2,552,252	\$10,452,932	\$127,868	\$3,592,423	\$5,792,093
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	2.43%	1.88%	10.31%	12.82%	1.27%	8.55%	4.38%
Prior Service	1.90%	-1.82%	4.08%	4.52%	4.26%	5.04%	1.41%
Total Retirement	4.33%	0.06%	14.39%	17.34%	5.53%	13.59%	5.79%
Supplemental Death	0.11%	0.28%	0.28%	0.00%	0.13%	0.21%	0.13%
Total Rate	4.44%	0.34%	14.67%	17.34%	5.66%	13.80%	5.92%
Phase-In Rate (Minimum 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	9.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	15.6 years	25.0 years	18.6 years	25.1 years	12.4 years	25.0 years	15.7 years
Number of annuitants	2	1	51	25	3	20	55
Number of active contributing members	7	7	56	124	6	68	98
Number of inactive members	11	17	45	70	7	33	75
Average age of contributing members	43.2 years	45.0 years	44.7 years	43.0 years	33.0 years	44.2 years	40.5 years
Average length of service of contributing members	3.1 years	7.5 years	10.8 years	12.9 years	0.9 years	12.0 years	8.3 years

	Robstown Utility Systems	Roby	Rockdale	Rockport	Rocksprings	Rockwall	Rogers
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$7,211,020	\$119,366	\$3,399,179	\$16,710,354	\$102,541	\$55,775,641	\$250,90
b. Noncontributing Members	1,225,023	142,158	749,717	2,808,185	12,443	8,228,635	168,64
c. Annuitants	6,901,407	439,480	1,460,311	14,341,074	294,144	29,297,113	525,79
2. Total Actuarial Accrued Liability	\$15,337,450	\$701,004	\$5,609,207	\$33,859,613	\$409,128	\$93,301,389	\$945,34
3. Actuarial value of assets	13,127,056	734,623	4,958,307	27,438,715	454,592	81,559,725	816,65
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,210,394	(\$33,619)	\$650,900	\$6,420,898	(\$45,464)	\$11,741,664	\$128,68
5. Funded Ratio: (3) / (2)	85.6%	104.8%	88.4%	81.0%	111.1%	87.4%	86.
6. Annual Payroll	\$2,351,207	\$72,400	\$2,016,401	\$6,521,559	\$237,772	\$20,109,941	\$332,9
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	4.98%	6.37%	7.01%	11.32%	2.48%	11.87%	5.4
Prior Service	7.74%	-3.11%	1.98%	6.55%	-1.17%	3.58%	3.2
Total Retirement	12.72%	3.26%	8.99%	17.87%	1.31%	15.45%	8.6
Supplemental Death	0.30%	0.59%	0.37%	0.26%	0.00%	0.15%	0.0
Total Rate	13.02%	3.85%	9.36%	18.13%	1.31%	15.60%	8.6
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	1
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	11.50%	N/A	N/A	N/A	1
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	16.2 years	25.0 years	25.1 years	22.0 years	25.0 years	25.0 years	15.6 ye
Number of annuitants	38	4	24	72	2	108	
Number of active contributing members	43	2	47	114	7	273	
Number of inactive members	58	3	36	72	10	98	
Average age of contributing members	43.3 years	45.2 years	48.5 years	45.7 years	45.9 years	43.8 years	40.5 ye
Average length of service of contributing members	14.0 years	11.4 years	9.5 years	11.0 years	3.9 years	13.3 years	7.7 ye

	Rollingwood	Roma	Roscoe	Rosebud	Rosenberg	Rotan	Round Rock
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							ĺ
a. Contributing Members	\$1,199,999	\$8,983,901	\$428,008	\$172,148	\$33,861,723	\$357,382	\$177,655,489
b. Noncontributing Members	370,841	1,014,182	51,513	38,149	11,606,293	99,701	20,615,621
c. Annuitants	1,077,023	3,795,597	90,292	57,229	32,136,401	5,281	85,215,601
2. Total Actuarial Accrued Liability	\$2,647,863	\$13,793,680	\$569,813	\$267,526	\$77,604,417	\$462,364	\$283,486,711
3. Actuarial value of assets	2,294,456	12,177,945	563,367	273,012	62,102,171	616,323	240,615,691
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$353,407	\$1,615,735	\$6,446	(\$5,486)	\$15,502,246	(\$153,959)	\$42,871,020
5. Funded Ratio: (3) / (2)	86.7%	88.3%	98.9%	102.1%	80.0%	133.3%	84.9%
6. Annual Payroll	\$980,886	\$4,220,698	\$335,795	\$414,926	\$16,144,953	\$275,474	\$63,993,175
CITY CONTRIBUTION RATES FOR 2020							1
Retirement							ĺ
Normal Cost	9.13%	6.75%	2.08%	2.03%	9.79%	1.40%	10.78%
Prior Service	2.75%	3.44%	0.22%	-0.08%	6.40%	-1.40%	4.57%
Total Retirement	11.88%	10.19%	2.30%	1.95%	16.19%	0.00%	15.35%
Supplemental Death	0.28%	0.27%	0.42%	0.31%	0.12%	0.28%	0.14%
Total Rate	12.16%	10.46%	2.72%	2.26%	16.31%	0.28%	15.49%
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)	13.50%	11.50%	N/A	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	18.0 years	14.4 years	11.4 years	25.0 years	22.0 years	25.0 years	21.2 years
Number of annuitants	9	46	3	6	159	1	324
Number of active contributing members	16	127	8	12	251	6	947
Number of inactive members	18	102	2	10	176	6	418
Average age of contributing members	44.7 years	46.3 years	57.4 years	50.3 years	38.7 years	49.3 years	42.2 years
Average length of service of contributing members	7.8 years	10.8 years	11.3 years	6.3 years	9.2 years	11.3 years	11.0 years

	Rowlett	Royse City	Rule	Runaway Bay	Runge	Rusk	Sabinal
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$65,178,705	\$6,440,136	\$4,501	\$135,470	\$559,652	\$2,585,787	\$571,844
b. Noncontributing Members	20,711,391	1,531,786	77,387	143,475	143,670	447,410	67,700
c. Annuitants	47,734,885	1,831,837	141,957	344,994	38,223	1,122,941	457,099
2. Total Actuarial Accrued Liability	\$133,624,981	\$9,803,759	\$223,845	\$623,939	\$741,545	\$4,156,138	\$1,096,643
3. Actuarial value of assets	118,999,637	7,734,084	262,350	783,994	586,809	4,323,568	1,102,334
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$14,625,344	\$2,069,675	(\$38,505)	(\$160,055)	\$154,736	(\$167,430)	(\$5,691)
5. Funded Ratio: (3) / (2)	89.1%	78.9%	117.2%	125.7%	79.1%	104.0%	100.5%
6. Annual Payroll	\$26,513,875	\$4,064,630	\$76,164	\$673,715	\$124,124	\$1,785,661	\$440,992
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	9.46%	12.12%	5.27%	3.32%	4.44%	6.59%	3.32%
Prior Service	3.59%	3.23%	-3.10%	-1.59%	14.22%	-0.58%	-0.08%
Total Retirement	13.05%	15.35%	2.17%	1.73%	18.66%	6.01%	3.24%
Supplemental Death	0.00%	0.17%	0.15%	0.21%	0.54%	0.21%	0.42%
Total Rate	13.05%	15.52%	2.32%	1.94%	19.20%	6.22%	3.66%
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	N/A	11.50%	9.50%	N/A	10.50%	9.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	22.8 years	23.7 years	25.0 years	25.0 years	11.1 years	25.0 years	25.0 years
Number of annuitants	231	20	1	10	1	16	7
Number of active contributing members	389	71	3	18	3	38	12
Number of inactive members	265	46	5	25	3	21	31
Average age of contributing members	42.0 years	42.1 years	47.2 years	40.9 years	64.1 years	46.1 years	50.6 years
Average length of service of contributing members	10.6 years	7.4 years	0.4 years	3.1 years	18.5 years	12.4 years	10.3 years

	Sachse	Saginaw	Saint Jo	Salado	San Angelo	San Antonio	San Antonio Water System
SUMMARY OF ACTUARIAL INFORMATION					3		,,
1. Actuarial Accrued Liability							
a. Contributing Members	\$16.179.304	\$28,799,282	\$23,917	\$116,183	\$97,409,870	\$793,698,264	\$98,518,854
b. Noncontributing Members	6,049,151	2,475,983	63,159	327,576	14,921,324	133,795,328	18,115,883
c. Annuitants	11,441,657	12,764,754	398,808	158,073	129,706,298	797,861,586	102,539,433
2. Total Actuarial Accrued Liability	\$33,670,112	\$44,040,019	\$485,884	\$601,832	\$242,037,492	\$1,725,355,178	\$219,174,170
3. Actuarial value of assets	27,864,007	30,940,493	590,067	700,244	198,814,274	1,495,661,618	194,396,838
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$5,806,105	\$13,099,526	(\$104,183)	(\$98,412)	\$43,223,218	\$229,693,560	\$24,777,332
5. Funded Ratio: (3) / (2)	82.8%	70.3%	121.4%	116.4%	82.1%	86.7%	88.7%
6. Annual Payroll	\$9,646,351	\$8,829,626	\$174,059	\$527,247	\$36,344,302	\$393,626,053	\$111,921,856
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	10.91%	11.52%	6.22%	6.85%	8.39%	6.78%	2.04%
Prior Service	3.73%	10.15%	-3.68%	-1.15%	9.04%	4.89%	1.60%
Total Retirement	14.64%	21.67%	2.54%	5.70%	17.43%	11.67%	3.64%
Supplemental Death	0.13%	0.19%	0.33%	0.22%	0.00%	0.00%	0.00%
Total Rate	14.77%	21.86%	2.87%	5.92%	17.43%	11.67%	3.64%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	10.50%	N/A	N/A	N/A	5.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	24.7 years	21.1 years	25.0 years	25.0 years	18.5 years	15.8 years	19.4 years
Number of annuitants	81	56	6	. 5	625	4,845	1,269
Number of active contributing members	149	150	5	10	715	7,028	1,709
Number of inactive members	137	78	14	17	331	2,995	701
Average age of contributing members	40.9 years	43.9 years	38.6 years	43.2 years	43.2 years	45.1 years	44.6 years
Average length of service of contributing members	9.3 years	12.9 years	1.2 years	8.8 years	9.9 years	10.7 years	13.2 years

	San Augustine	San Benito	San Felipe	San Juan	San Marcos	San Saba	Sanger
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,679,303	\$5,974,457	\$202,981	\$7,608,623	\$120,219,248	\$3,150,315	\$7,137,766
b. Noncontributing Members	971,339	1,688,423	13,759	2,771,953	17,141,562	323,187	932,457
c. Annuitants	1,645,403	5,535,227	132,023	2,522,831	85,887,060	2,949,133	2,377,570
2. Total Actuarial Accrued Liability	\$5,296,045	\$13,198,107	\$348,763	\$12,903,407	\$223,247,870	\$6,422,635	\$10,447,793
3. Actuarial value of assets	5,164,297	11,998,694	299,656	13,279,217	182,156,187	5,701,382	9,271,465
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$131,748	\$1,199,413	\$49,107	(\$375,810)	\$41,091,683	\$721,253	\$1,176,328
5. Funded Ratio: (3) / (2)	97.5%	90.9%	85.9%	102.9%	81.6%	88.8%	88.7%
6. Annual Payroll	\$1,177,051	\$5,878,434	\$195,125	\$8,547,406	\$44,185,517	\$1,827,383	\$3,868,300
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	7.46%	3.85%	1.79%	2.76%	10.31%	6.04%	6.28%
Prior Service	0.73%	1.42%	2.83%	-0.27%	6.98%	2.42%	1.88%
Total Retirement	8.19%	5.27%	4.62%	2.49%	17.29%	8.46%	8.16%
Supplemental Death	0.26%	0.21%	0.20%	0.17%	0.16%	0.29%	0.15%
Total Rate	8.45%	5.48%	4.82%	2.66%	17.45%	8.75%	8.31%
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)	13.50%	11.50%	N/A	10.50%	N/A	10.50%	12.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	22.6 years	20.6 years	10.9 years	25.0 years	18.5 years	25.0 years	24.7 years
Number of annuitants	21	93	3	58	315	24	19
Number of active contributing members	28	160	4	213	650	45	70
Number of inactive members	24	121	3	132	270	17	28
Average age of contributing members	48.6 years	43.2 years	48.6 years	42.2 years	42.3 years	44.6 years	42.7 years
Average length of service of contributing members	7.4 years	8.5 years	14.8 years	9.1 years	10.2 years	8.6 years	12.3 years

	Sansom Park	Santa Fe	Savoy	Schertz	Schulenburg	Seabrook	Seadrift
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$717,546	\$5,533,908	\$71,880	\$41,672,717	\$5,349,312	\$18,147,967	\$607,623
b. Noncontributing Members	964,180	2,224,820	116,612	7,910,569	1,190,891	1,872,290	106,017
c. Annuitants	509,442	5,723,690	59,913	22,398,045	7,868,984	17,421,467	51,904
2. Total Actuarial Accrued Liability	\$2,191,168	\$13,482,418	\$248,405	\$71,981,331	\$14,409,187	\$37,441,724	\$765,544
3. Actuarial value of assets	2,426,051	11,025,682	329,945	54,951,959	12,012,777	32,470,298	650,563
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$234,883)	\$2,456,736	(\$81,540)	\$17,029,372	\$2,396,410	\$4,971,426	\$114,981
5. Funded Ratio: (3) / (2)	110.7%	81.8%	132.8%	76.3%	83.4%	86.7%	85.0%
6. Annual Payroll	\$1,315,658	\$3,223,913	\$108,388	\$19,180,232	\$1,846,985	\$6,629,557	\$623,863
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	7.13%	6.63%	4.16%	10.35%	9.93%	9.61%	1.37%
Prior Service	-1.10%	5.20%	-4.16%	5.45%	11.57%	6.27%	2.27%
Total Retirement	6.03%	11.83%	0.00%	15.80%	21.50%	15.88%	3.64%
Supplemental Death	0.13%	0.00%	0.25%	0.12%	0.25%	0.16%	0.19%
Total Rate	6.16%	11.83%	0.25%	15.92%	21.75%	16.04%	3.83%
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)	11.50%	N/A	10.50%	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	21.2 years	25.0 years	25.0 years	15.0 years	15.9 years	9.8 years
Number of annuitants	14	29	3	111	27	73	3
Number of active contributing members	30	59	3	328	37	95	13
Number of inactive members	89	69	8	191	20	40	3
Average age of contributing members	38.6 years	43.3 years	47.1 years	41.4 years	48.7 years	43.2 years	46.0 years
Average length of service of contributing members	5.9 years	8.4 years	5.1 years	9.3 years	11.7 years	12.3 years	10.4 years

	Constille	6	Contr	Comple	Selma	Seminole	Seven Points
	Seagoville	Seagraves	Sealy	Seguin	Seima	Seminole	Seven Points
SUMMARY OF ACTUARIAL INFORMATION							
Actuarial Accrued Liability							
a. Contributing Members	\$12,317,502	\$311,224	\$7,841,423	\$53,665,521	\$12,363,813	\$6,555,622	\$285,303
b. Noncontributing Members	1,914,489	143,331	3,497,839	8,106,515	2,249,978	2,335,323	110,844
c. Annuitants	5,109,541	1,617,879	5,513,785	51,077,972	6,075,024	7,828,707	404,408
2. Total Actuarial Accrued Liability	\$19,341,532	\$2,072,434	\$16,853,047	\$112,850,008	\$20,688,815	\$16,719,652	\$800,555
3. Actuarial value of assets	17,093,046	1,789,264	14,117,411	79,542,484	17,370,843	15,288,251	1,573,772
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,248,486	\$283,170	\$2,735,636	\$33,307,524	\$3,317,972	\$1,431,401	(\$773,217)
5. Funded Ratio: (3) / (2)	88.4%	86.3%	83.8%	70.5%	84.0%	91.4%	196.6%
6. Annual Payroll	\$5,028,140	\$688,875	\$3,318,565	\$21,853,013	\$5,832,965	\$3,017,809	\$601,605
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	7.86%	7.67%	9.80%	10.41%	11.17%	8.68%	9.00%
Prior Service	3.08%	2.55%	5.06%	11.81%	3.47%	3.35%	-7.89%
Total Retirement	10.94%	10.22%	14.86%	22.22%	14.64%	12.03%	1.11%
Supplemental Death	0.22%	0.46%	0.18%	0.19%	0.11%	0.25%	0.20%
Total Rate	11.16%	10.68%	15.04%	22.41%	14.75%	12.28%	1.31%
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)	13.50%	N/A	N/A	N/A	N/A	N/A	13.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	20.9 years	24.7 years	25.0 years	17.7 years	25.2 years	20.2 years	25.0 years
Number of annuitants	53	14	29	243	22	33	7
Number of active contributing members	96	17	57	374	85	56	19
Number of inactive members	68	33	48	195	44	53	27
Average age of contributing members	44.4 years	49.5 years	40.3 years	41.7 years	40.4 years	40.6 years	43.1 years
Average length of service of contributing members	11.9 years	4.5 years	8.9 years	9.5 years	10.6 years	7.2 years	3.6 years

	Seymour	Shady Shores	Shallowater	Shamrock	Shavano Park	Shenandoah	Shepherd
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,611,711	\$69,937	\$704,068	\$476,229	\$4,226,405	\$5,718,687	\$372,602
b. Noncontributing Members	333,583	0	445,617	226,444	2,505,348	4,137,924	82,857
c. Annuitants	2,627,818	0	318,188	1,663,534	2,159,339	4,593,317	109,390
2. Total Actuarial Accrued Liability	\$4,573,112	\$69,937	\$1,467,873	\$2,366,207	\$8,891,092	\$14,449,928	\$564,849
3. Actuarial value of assets	4,113,931	61,452	1,469,173	1,865,630	7,664,742	10,468,551	705,080
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$459,181	\$8,485	(\$1,300)	\$500,577	\$1,226,350	\$3,981,377	(\$140,231)
5. Funded Ratio: (3) / (2)	90.0%	87.9%	100.1%	78.8%	86.2%	72.4%	124.8%
6. Annual Payroll	\$1,216,004	\$111,946	\$620,350	\$687,509	\$2,969,852	\$3,547,932	\$365,029
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	3.47%	7.74%	4.57%	3.09%	10.79%	11.38%	4.95%
Prior Service	3.73%	1.77%	-0.01%	5.66%	2.56%	6.86%	-2.36%
Total Retirement	7.20%	9.51%	4.56%	8.75%	13.35%	18.24%	2.59%
Supplemental Death	0.39%	0.07%	0.16%	0.73%	0.14%	0.14%	0.21%
Total Rate	7.59%	9.58%	4.72%	9.48%	13.49%	18.38%	2.80%
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)	8.50%	N/A	10.50%	N/A	13.50%	N/A	11.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	13.5 years	4.7 years	25.0 years	17.6 years	24.5 years	25.2 years	25.0 years
Number of annuitants	26	0	6	20	29	22	2
Number of active contributing members	32	2	14	12	49	49	11
Number of inactive members	23	0	9	9	80	44	6
Average age of contributing members	47.1 years	46.7 years	43.8 years	51.3 years	42.1 years	41.7 years	50.0 years
Average length of service of contributing members	9.3 years	10.5 years	6.8 years	7.9 years	9.1 years	9.8 years	6.5 years

	Sherman	Shiner	Shoreacres	Silsbee	Silverton	Simonton	Sinton
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$67,071,800	\$1,830,775	\$274,413	\$7,509,258	\$66,197	\$7,219	\$4,538,852
b. Noncontributing Members	8,342,817	488,871	756,977	1,467,170	49,482	0	1,091,723
c. Annuitants	73,459,223	2,137,420	715,069	10,102,966	700,713	0	3,726,728
2. Total Actuarial Accrued Liability	\$148,873,840	\$4,457,066	\$1,746,459	\$19,079,394	\$816,392	\$7,219	\$9,357,303
3. Actuarial value of assets	129,261,748	3,735,729	1,935,534	14,817,676	829,329	2,009	7,804,287
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$19,612,092	\$721,337	(\$189,075)	\$4,261,718	(\$12,937)	\$5,210	\$1,553,016
5. Funded Ratio: (3) / (2)	86.8%	83.8%	110.8%	77.7%	101.6%	27.8%	83.4%
6. Annual Payroll	\$25,352,078	\$1,315,888	\$660,430	\$3,166,199	\$154,039	\$99,854	\$2,259,581
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	8.71%	3.44%	6.28%	9.83%	5.96%	1.55%	8.12%
Prior Service	5.63%	4.56%	-1.79%	9.14%	-0.57%	0.85%	4.21%
Total Retirement	14.34%	8.00%	4.49%	18.97%	5.39%	2.40%	12.33%
Supplemental Death	0.20%	0.36%	0.28%	0.00%	0.21%	0.04%	0.21%
Total Rate	14.54%	8.36%	4.77%	18.97%	5.60%	2.44%	12.54%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	9.50%	N/A	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	19.5 years	16.0 years	25.0 years	21.4 years	25.0 years	7.0 years	25.1 years
Number of annuitants	334	16	7	52	3	0	25
Number of active contributing members	439	32	10	63	4	2	51
Number of inactive members	161	16	20	28	4	0	56
Average age of contributing members	42.8 years	48.5 years	53.4 years	45.7 years	42.7 years	42.5 years	42.5 years
Average length of service of contributing members	10.9 years	11.7 years	4.3 years	10.3 years	4.6 years	1.5 years	8.2 years

	Skellytown	Slaton	Smithville	Smyer	Snyder	Somerset	Somerville
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$27,570	\$3,081,004	\$3,793,255	\$292,415	\$13,219,304	\$80,497	\$397,718
b. Noncontributing Members	82,764	826,436	1,228,799	3,749	3,648,639	134,354	285,170
c. Annuitants	86,496	3,937,591	1,440,976	0	14,965,873	87,859	480,468
2. Total Actuarial Accrued Liability	\$196,830	\$7,845,031	\$6,463,030	\$296,164	\$31,833,816	\$302,710	\$1,163,356
3. Actuarial value of assets	255,148	7,746,039	5,795,421	283,438	28,997,371	337,835	1,270,686
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$58,318)	\$98,992	\$667,609	\$12,726	\$2,836,445	(\$35,125)	(\$107,330)
5. Funded Ratio: (3) / (2)	129.6%	98.7%	89.7%	95.7%	91.1%	111.6%	109.2%
6. Annual Payroll	\$151,951	\$2,026,981	\$2,558,383	\$101,112	\$5,149,679	\$417,121	\$589,045
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	4.27%	6.48%	5.00%	5.69%	9.86%	3.00%	5.37%
Prior Service	-2.36%	0.31%	1.94%	3.99%	3.77%	-0.32%	-1.12%
Total Retirement	1.91%	6.79%	6.94%	9.68%	13.63%	2.68%	4.25%
Supplemental Death	0.24%	0.26%	0.27%	0.18%	0.24%	0.45%	0.37%
Total Rate	2.15%	7.05%	7.21%	9.86%	13.87%	3.13%	4.62%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	12.50%	9.50%	13.50%	N/A	9.50%	9.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	24.1 years	18.8 years	3.4 years	21.1 years	25.0 years	25.0 years
Number of annuitants	2	31	31	0	57	4	13
Number of active contributing members	6	46	62	2	79	12	15
Number of inactive members	9	30	67	1	57	31	16
Average age of contributing members	49.0 years	43.1 years	47.0 years	57.0 years	43.0 years	42.5 years	49.9 years
Average length of service of contributing members	1.3 years	9.8 years	8.3 years	22.3 years	9.7 years	2.0 years	4.8 years

	Sonora	Sour Lake	South Houston	South Padre Island	Southlake	Southmayd	Southside Place
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,063,112	\$692,290	\$15,239,094	\$19,343,284	\$58,782,343	\$53,645	\$2,962,570
b. Noncontributing Members	294,051	132,762	2,435,770	5,000,055	17,968,429	33,315	582,489
c. Annuitants	3,220,556	239,400	8,145,406	12,469,413	25,381,202	68,445	2,096,144
2. Total Actuarial Accrued Liability	\$4,577,719	\$1,064,452	\$25,820,270	\$36,812,752	\$102,131,974	\$155,405	\$5,641,203
3. Actuarial value of assets	4,198,027	1,168,730	24,161,201	34,268,764	90,556,856	84,505	4,835,960
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$379,692	(\$104,278)	\$1,659,069	\$2,543,988	\$11,575,118	\$70,900	\$805,243
5. Funded Ratio: (3) / (2)	91.7%	109.8%	93.6%	93.1%	88.7%	54.4%	85.7%
6. Annual Payroll	\$1,165,575	\$643,913	\$5,621,154	\$8,938,902	\$24,354,791	\$288,420	\$1,575,750
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	6.46%	6.22%	6.36%	11.18%	9.54%	1.62%	8.49%
Prior Service	1.99%	-0.99%	3.47%	1.75%	2.91%	3.55%	3.12%
Total Retirement	8.45%	5.23%	9.83%	12.93%	12.45%	5.17%	11.61%
Supplemental Death	0.28%	0.24%	0.28%	0.16%	0.13%	0.12%	0.22%
Total Rate	8.73%	5.47%	10.11%	13.09%	12.58%	5.29%	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	13.50%	N/A	13.50%	13.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.1 years	25.0 years	10.3 years	25.0 years	25.1 years	8.1 years	25.2 years
Number of annuitants	31	4	56	66	119	1	14
Number of active contributing members	31	13	115	168	345	9	23
Number of inactive members	26	32	77	94	211	4	14
Average age of contributing members	42.9 years	43.9 years	47.1 years	43.5 years	41.6 years	39.8 years	47.0 years
Average length of service of contributing members	6.8 years	12.8 years	12.3 years	9.6 years	11.5 years	3.0 years	10.4 years

	Spearman	Splendora	Spring Valley Village	Springtown	Spur	Stafford	Stamford
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,019,679	\$410,731	\$3,412,024	\$1,502,759	\$302,950	\$18,832,598	\$1,473,144
b. Noncontributing Members	582,052	18,824	1,334,112	1,257,957	206,536	4,321,734	387,072
c. Annuitants	3,524,377	250,679	6,616,309	1,883,583	393,076	20,043,114	1,531,185
2. Total Actuarial Accrued Liability	\$6,126,108	\$680,234	\$11,362,445	\$4,644,299	\$902,562	\$43,197,446	\$3,391,401
3. Actuarial value of assets	5,681,020	165,347	11,006,466	5,053,611	832,994	38,794,272	3,485,599
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$445,088	\$514,887	\$355,979	(\$409,312)	\$69,568	\$4,403,174	(\$94,198)
5. Funded Ratio: (3) / (2)	92.7%	24.3%	96.9%	108.8%	92.3%	89.8%	102.8%
6. Annual Payroll	\$1,126,771	\$1,109,588	\$2,882,701	\$1,681,376	\$329,502	\$10,591,247	\$958,804
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	8.96%	2.67%	6.15%	10.80%	2.48%	11.39%	5.56%
Prior Service	2.42%	2.92%	0.76%	-1.49%	2.69%	2.74%	-0.60%
Total Retirement	11.38%	5.59%	6.91%	9.31%	5.17%	14.13%	4.96%
Supplemental Death	0.28%	0.18%	0.16%	0.17%	0.21%	0.18%	0.39%
Total Rate	11.66%	5.77%	7.07%	9.48%	5.38%	14.31%	5.35%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	13.50%	N/A	N/A	13.50%	N/A	N/A	9.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.1 years	24.0 years	25.2 years	25.0 years	9.5 years	22.4 years	25.0 years
Number of annuitants	22	1	35	24	3	83	22
Number of active contributing members	25	24	40	43	11	182	25
Number of inactive members	33	6	22	59	12	86	24
Average age of contributing members	45.1 years	42.6 years	42.4 years	40.5 years	47.1 years	43.1 years	46.6 years
Average length of service of contributing members	7.3 years	3.9 years	12.2 years	7.1 years	8.3 years	8.4 years	10.1 years

	Stanton	Star Harbor	Stephenville	Sterling City	Stinnett	Stockdale	Stratford
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,116,589	\$403,290	\$18,735,099	\$297,148	\$699,513	\$204,109	\$521,990
b. Noncontributing Members	226,877	54,985	4,723,521	33,778	397,360	1,329	106,154
c. Annuitants	1,278,290	419,197	16,550,313	223,025	789,965	38,504	518,287
2. Total Actuarial Accrued Liability	\$3,621,756	\$877,472	\$40,008,933	\$553,951	\$1,886,838	\$243,942	\$1,146,431
3. Actuarial value of assets	3,226,728	827,404	41,094,694	555,800	2,282,003	167,454	1,194,008
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$395,028	\$50,068	(\$1,085,761)	(\$1,849)	(\$395,165)	\$76,488	(\$47,577)
5. Funded Ratio: (3) / (2)	89.1%	94.3%	102.7%	100.3%	120.9%	68.6%	104.2%
6. Annual Payroll	\$1,265,724	\$163,382	\$9,090,042	\$268,742	\$714,969	\$371,401	\$672,439
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	4.61%	7.72%	7.40%	1.15%	2.44%	2.71%	5.60%
Prior Service	3.05%	2.98%	-0.73%	-0.04%	-2.44%	2.82%	-0.43%
Total Retirement	7.66%	10.70%	6.67%	1.11%	0.00%	5.53%	5.17%
Supplemental Death	0.20%	0.42%	0.20%	0.00%	0.21%	0.38%	0.31%
Total Rate	7.86%	11.12%	6.87%	1.11%	0.21%	5.91%	5.48%
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)	9.50%	N/A	N/A	7.50%	9.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	13.0 years	13.1 years	25.0 years	25.0 years	25.0 years	8.6 years	25.0 years
Number of annuitants	8	6	93	4	9	1	11
Number of active contributing members	21	5	155	6	16	8	13
Number of inactive members	8	5	111	4	14	1	19
Average age of contributing members	45.9 years	50.7 years	42.8 years	46.3 years	40.4 years	51.0 years	42.8 years
Average length of service of contributing members	11.1 years	11.4 years	10.7 years	11.7 years	5.9 years	13.1 years	7.6 year

	Sudan	Sugar Land	Sulphur Springs	Sundown	Sunnyvale	Sunray	Sunrise Beach Village
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$424,831	\$164,584,257	\$21,470,474	\$1,314,542	\$2,093,901	\$1,103,324	\$182,572
b. Noncontributing Members	3,489	25,070,109	2,415,159	951,964	1,589,846	228,302	42,782
c. Annuitants	263,226	63,278,868	17,385,448	1,054,481	2,419,585	1,291,918	121,967
2. Total Actuarial Accrued Liability	\$691,546	\$252,933,234	\$41,271,081	\$3,320,987	\$6,103,332	\$2,623,544	\$347,321
3. Actuarial value of assets	752,618	223,793,760	38,972,369	2,924,627	5,377,762	2,264,610	353,979
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$61,072)	\$29,139,474	\$2,298,712	\$396,360	\$725,570	\$358,934	(\$6,658)
5. Funded Ratio: (3) / (2)	108.8%	88.5%	94.4%	88.1%	88.1%	86.3%	101.9%
6. Annual Payroll	\$377,936	\$54,729,351	\$8,480,956	\$566,291	\$2,435,831	\$548,482	\$499,022
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	1.49%	11.03%	5.14%	7.01%	9.73%	9.44%	1.42%
Prior Service	0.02%	3.57%	2.63%	4.74%	1.83%	5.00%	-0.08%
Total Retirement	1.51%	14.60%	7.77%	11.75%	11.56%	14.44%	1.34%
Supplemental Death	0.00%	0.16%	0.24%	0.21%	0.21%	0.33%	0.14%
Total Rate	1.51%	14.76%	8.01%	11.96%	11.77%	14.77%	1.48%
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%	N/A	N/A	N/A	N/A	N/A	7.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	0.0 years	21.8 years	13.1 years	21.5 years	25.1 years	18.0 years	25.0 years
Number of annuitants	3	229	118	15	17	9	3
Number of active contributing members	8	750	148	13	45	8	10
Number of inactive members	2	299	73	12	39	12	10
Average age of contributing members	46.5 years	42.6 years	45.7 years	47.2 years	42.6 years	45.4 years	42.3 years
Average length of service of contributing members	11.4 years	11.9 years	12.7 years	9.4 years	8.4 years	10.0 years	7.8 years

	Sunset Valley	Surfside Beach	Sweeny	Sweetwater	TMRS	Taft	Tahoka
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,122,989	\$386,111	\$1,617,898	\$16,797,533	\$32,538,236	\$979,946	\$1,079,565
b. Noncontributing Members	1,304,114	151,512	381,600	1,059,062	2,561,886	653,417	91,398
c. Annuitants	1,401,523	49,662	3,568,747	15,820,619	14,290,781	1,807,797	1,101,876
2. Total Actuarial Accrued Liability	\$6,828,626	\$587,285	\$5,568,245	\$33,677,214	\$49,390,903	\$3,441,160	\$2,272,839
3. Actuarial value of assets	5,956,963	720,752	4,457,267	27,773,457	41,295,238	2,731,998	2,859,828
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$871,663	(\$133,467)	\$1,110,978	\$5,903,757	\$8,095,665	\$709,162	(\$586,989)
5. Funded Ratio: (3) / (2)	87.2%	122.7%	80.0%	82.5%	83.6%	79.4%	125.8%
6. Annual Payroll	\$2,056,982	\$836,509	\$1,049,690	\$5,627,794	\$12,000,142	\$902,778	\$734,199
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	10.57%	2.32%	9.93%	9.47%	11.17%	12.96%	3.97%
Prior Service	2.61%	-0.98%	7.18%	8.26%	4.57%	4.92%	-3.97%
Total Retirement	13.18%	1.34%	17.11%	17.73%	15.74%	17.88%	0.00%
Supplemental Death	0.12%	0.26%	0.32%	0.24%	0.19%	0.31%	0.29%
Total Rate	13.30%	1.60%	17.43%	17.97%	15.93%	18.19%	0.29%
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)	13.50%	9.50%	N/A	N/A	N/A	N/A	11.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	24.9 years	25.0 years	21.4 years	17.3 years	21.5 years	24.2 years	25.0 years
Number of annuitants	7	2	18	79	35	16	11
Number of active contributing members	31	20	23	105	114	22	19
Number of inactive members	21	28	18	35	30	89	6
Average age of contributing members	41.7 years	44.5 years	43.3 years	46.5 years	47.5 years	44.6 years	44.7 years
Average length of service of contributing members	9.4 years	5.6 years	7.8 years	12.5 years	11.5 years	8.0 years	8.6 years

	Talty	Tatum	Taylor	Teague	Temple	Tenaha	Terrell
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$71,645	\$222,335	\$12,585,420	\$585,200	\$88,547,636	\$55,818	\$32,344,144
b. Noncontributing Members	8,288	93,565	5,080,671	674,189	15,509,537	8,970	2,646,883
c. Annuitants	41,670	73,221	14,370,968	1,668,561	100,995,007	235,271	23,958,815
2. Total Actuarial Accrued Liability	\$121,603	\$389,121	\$32,037,059	\$2,927,950	\$205,052,180	\$300,059	\$58,949,842
3. Actuarial value of assets	40,431	371,132	26,588,489	2,952,024	171,285,542	368,605	50,966,005
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$81,172	\$17,989	\$5,448,570	(\$24,074)	\$33,766,638	(\$68,546)	\$7,983,837
5. Funded Ratio: (3) / (2)	33.2%	95.4%	83.0%	100.8%	83.5%	122.8%	86.5%
6. Annual Payroll	\$119,682	\$386,418	\$8,144,815	\$852,253	\$33,685,233	\$318,968	\$10,357,559
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	2.70%	1.42%	7.46%	9.21%	10.12%	1.62%	10.61%
Prior Service	8.19%	0.39%	4.10%	-0.17%	6.79%	-1.32%	5.28%
Total Retirement	10.89%	1.81%	11.56%	9.04%	16.91%	0.30%	15.89%
Supplemental Death	0.59%	0.17%	0.22%	0.24%	0.20%	0.16%	0.21%
Total Rate	11.48%	1.98%	11.78%	9.28%	17.11%	0.46%	16.10%
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	7.50%	N/A	13.50%	N/A	7.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	10.0 years	16.0 years	25.0 years	25.0 years	21.4 years	25.0 years	21.1 years
Number of annuitants	1	4	102	23	421	6	128
Number of active contributing members	4	10	153	21	669	10	178
Number of inactive members	1	14	132	36	402	2	58
Average age of contributing members	57.9 years	43.3 years	42.4 years	40.7 years	43.7 years	41.4 years	44.4 years
Average length of service of contributing members	8.8 years	5.7 years	8.8 years	6.3 years	10.3 years	2.8 years	11.6 years

	Terrell Hills	Tex Municipal League IEBP	Tex Municipal League IRP	Texarkana	Texarkana Police Dept	Texarkana Water Utilities	Texas City
	Terrentinis	Ecugue IEDI	zeague IIII	Texamena	Sept.	Othices	T CAUS City
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$6,124,909	\$21,018,215	\$105,788,244	\$19,923,036	\$18,071,454	\$19,495,993	\$63,790,765
b. Noncontributing Members	2,622,990	5,426,020	11,740,874	4,728,797	3,512,071	2,092,083	5,908,545
c. Annuitants	5,899,945	7,474,078	36,677,042	31,671,445	25,239,783	20,546,098	82,141,738
2. Total Actuarial Accrued Liability	\$14,647,844	\$33,918,313	\$154,206,160	\$56,323,278	\$46,823,308	\$42,134,174	\$151,841,048
3. Actuarial value of assets	12,089,400	32,096,333	152,819,089	48,678,243	42,569,646	35,869,069	131,999,715
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,558,444	\$1,821,980	\$1,387,071	\$7,645,035	\$4,253,662	\$6,265,105	\$19,841,333
5. Funded Ratio: (3) / (2)	82.5%	94.6%	99.1%	86.4%	90.9%	85.1%	86.9%
6. Annual Payroll	\$2,785,506	\$11,245,339	\$25,893,213	\$8,886,314	\$6,313,716	\$7,266,602	\$23,040,245
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	9.69%	4.26%	10.13%	9.44%	10.24%	9.39%	9.68%
Prior Service	5.69%	1.66%	0.38%	6.12%	4.18%	6.73%	6.569
Total Retirement	15.38%	5.92%	10.51%	15.56%	14.42%	16.12%	16.249
Supplemental Death	0.18%	0.21%	0.21%	0.00%	0.00%	0.00%	0.009
Total Rate	15.56%	6.13%	10.72%	15.56%	14.42%	16.12%	16.249
Phase-In Rate (Minimum 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	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	24.6 years	13.0 years	20.3 years	21.3 years	25.0 years	17.5 years	18.1 year
Number of annuitants	30	26	81	190	75	114	308
Number of active contributing members	50	141	245	202	87	163	414
Number of inactive members	56	73	44	99	29	39	19
Average age of contributing members	38.7 years	49.0 years	49.2 years	46.7 years	37.6 years	44.0 years	43.3 year
Average length of service of contributing members	8.4 years	10.3 years	15.0 years	9.5 years	12.6 years	9.6 years	10.7 year

	Texas Municipal						
	League	The Colony	Thompsons	Thorndale	Thrall	Three Rivers	Throckmorton
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$11,747,539	\$49,333,679	\$197,565	\$363,360	\$82,599	\$5,874,514	\$75,005
b. Noncontributing Members	2,541,641	8,179,035	0	53,515	63,111	255,432	122,290
c. Annuitants	8,236,897	38,773,696	25,145	441,474	0	3,282,677	466,553
2. Total Actuarial Accrued Liability	\$22,526,077	\$96,286,410	\$222,710	\$858,349	\$145,710	\$9,412,623	\$663,848
3. Actuarial value of assets	19,635,017	84,512,778	202,274	816,994	110,339	5,606,628	676,519
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$2,891,060	\$11,773,632	\$20,436	\$41,355	\$35,371	\$3,805,995	(\$12,671)
5. Funded Ratio: (3) / (2)	87.2%	87.8%	90.8%	95.2%	75.7%	59.6%	101.9%
6. Annual Payroll	\$3,212,410	\$23,831,125	\$128,643	\$244,597	\$182,936	\$2,119,120	\$140,311
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	7.60%	9.66%	2.03%	6.40%	3.95%	9.94%	5.46%
Prior Service	7.25%	3.26%	2.28%	1.69%	3.46%	12.70%	-0.55%
Total Retirement	14.85%	12.92%	4.31%	8.09%	7.41%	22.64%	4.91%
Supplemental Death	0.19%	0.14%	0.23%	0.34%	0.45%	0.34%	0.22%
Total Rate	15.04%	13.06%	4.54%	8.43%	7.86%	22.98%	5.13%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	9.50%	N/A	N/A	9.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	18.2 years	22.3 years	8.2 years	12.7 years	6.3 years	20.1 years	25.0 years
Number of annuitants	26	186	1	. 8	0	20	7
Number of active contributing members	34	344	3	7	4	41	5
Number of inactive members	18	179	0	6	4	26	2
Average age of contributing members	48.4 years	42.5 years	57.7 years	54.8 years	58.3 years	46.1 years	39.2 years
Average length of service of contributing members	13.3 years	10.5 years	13.8 years	7.4 years	6.7 years	10.0 years	3.9 years

	Tiki Island	Timpson	Tioga	Tolar	Tom Bean	Tomball	Trent
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$401,743	\$835,720	\$354,214	\$232,599	\$156,672	\$22,410,223	\$225,553
b. Noncontributing Members	181,871	47,076	38,220	121,909	52,672	4,758,281	0
c. Annuitants	102,498	107,842	0	210,976	28,036	16,900,303	13,765
2. Total Actuarial Accrued Liability	\$686,112	\$990,638	\$392,434	\$565,484	\$237,380	\$44,068,807	\$239,318
3. Actuarial value of assets	620,118	1,030,418	420,216	549,484	293,449	37,449,092	230,582
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$65,994	(\$39,780)	(\$27,782)	\$16,000	(\$56,069)	\$6,619,715	\$8,736
5. Funded Ratio: (3) / (2)	90.4%	104.0%	107.1%	97.2%	123.6%	85.0%	96.3%
6. Annual Payroll	\$491,165	\$428,082	\$394,106	\$252,261	\$285,540	\$11,180,729	\$90,095
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	2.37%	2.58%	1.89%	7.09%	3.89%	9.86%	5.36%
Prior Service	1.39%	-0.57%	-0.43%	0.65%	-1.21%	3.63%	2.52%
Total Retirement	3.76%	2.01%	1.46%	7.74%	2.68%	13.49%	7.88%
Supplemental Death	0.23%	0.46%	0.13%	0.15%	0.15%	0.20%	0.53%
Total Rate	3.99%	2.47%	1.59%	7.89%	2.83%	13.69%	8.41%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	7.50%	9.50%	N/A	10.50%	N/A	11.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	12.1 years	25.0 years	25.0 years	12.3 years	25.0 years	25.1 years	4.2 years
Number of annuitants	1	3	0	3	2	86	1
Number of active contributing members	8	9	10	5	8	174	2
Number of inactive members	7	6	8	7	12	80	0
Average age of contributing members	52.5 years	52.5 years	39.9 years	43.9 years	44.6 years	41.5 years	63.7 years
Average length of service of contributing members	8.1 years	14.8 years	7.7 years	8.4 years	6.6 years	9.2 years	22.0 years

	Trenton	Trinidad	Trinity	Trophy Club	Troup	Troy	Tulia
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$130,673	\$294,416	\$836,922	\$6,639,616	\$789,788	\$810,851	\$3,219,441
b. Noncontributing Members	33,546	50,735	176,386	7,053,253	143,423	36,955	730,881
c. Annuitants	174,470	136,190	520,111	6,162,092	492,358	230,144	5,535,929
2. Total Actuarial Accrued Liability	\$338,689	\$481,341	\$1,533,419	\$19,854,961	\$1,425,569	\$1,077,950	\$9,486,251
3. Actuarial value of assets	382,507	465,719	1,439,958	17,939,881	1,323,152	988,983	9,063,542
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$43,818)	\$15,622	\$93,461	\$1,915,080	\$102,417	\$88,967	\$422,709
5. Funded Ratio: (3) / (2)	112.9%	96.8%	93.9%	90.4%	92.8%	91.7%	95.5%
6. Annual Payroll	\$165,114	\$221,908	\$836,185	\$5,197,784	\$901,896	\$682,510	\$1,570,166
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	5.05%	2.12%	6.18%	10.85%	4.68%	9.84%	8.45%
Prior Service	-1.63%	0.95%	0.68%	2.24%	0.68%	1.27%	2.24%
Total Retirement	3.42%	3.07%	6.86%	13.09%	5.36%	11.11%	10.69%
Supplemental Death	0.34%	0.42%	0.30%	0.17%	0.31%	0.40%	0.24%
Total Rate	3.76%	3.49%	7.16%	13.26%	5.67%	11.51%	10.93%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	9.50%	7.50%	11.50%	N/A	9.50%	13.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	9.1 years	25.6 years	25.4 years	25.8 years	13.0 years	16.0 years
Number of annuitants	4	4	9	37	12	9	29
Number of active contributing members	5	5	25	77	23	13	39
Number of inactive members	8	9	39	107	16	5	23
Average age of contributing members	49.3 years	54.5 years	45.2 years	43.5 years	44.7 years	54.2 years	43.6 years
Average length of service of contributing members	9.7 years	11.7 years	5.9 years	11.7 years	9.6 years	16.7 years	9.4 years

	Turkey	Туе	Tyler	Universal City	University Park	Uvalde	Valley Mills
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$17,062	\$569,394	\$109,965,537	\$23,983,772	\$49,614,211	\$8,000,755	\$49,201
b. Noncontributing Members	3,127	42,193	13,020,098	3,147,866	5,091,986	2,428,295	28,876
c. Annuitants	244,583	410,966	127,636,663	12,009,799	44,725,943	7,177,483	0
2. Total Actuarial Accrued Liability	\$264,772	\$1,022,553	\$250,622,298	\$39,141,437	\$99,432,140	\$17,606,533	\$78,077
3. Actuarial value of assets	207,580	831,043	196,043,334	29,202,499	94,959,838	16,080,237	80,559
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$57,192	\$191,510	\$54,578,964	\$9,938,938	\$4,472,302	\$1,526,296	(\$2,482)
5. Funded Ratio: (3) / (2)	78.4%	81.3%	78.2%	74.6%	95.5%	91.3%	103.2%
6. Annual Payroll	\$134,016	\$620,862	\$36,941,294	\$7,888,037	\$16,955,259	\$6,834,529	\$324,165
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	2.19%	4.73%	9.23%	10.24%	5.98%	4.52%	2.37%
Prior Service	2.99%	2.17%	11.76%	8.33%	3.47%	1.44%	-0.05%
Total Retirement	5.18%	6.90%	20.99%	18.57%	9.45%	5.96%	2.32%
Supplemental Death	0.41%	0.17%	0.24%	0.18%	0.00%	0.18%	0.19%
Total Rate	5.59%	7.07%	21.23%	18.75%	9.45%	6.14%	2.51%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	9.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	20.4 years	21.4 years	17.0 years	22.3 years	9.0 years	23.2 years	25.0 years
Number of annuitants	6	6	573	67	156	73	0
Number of active contributing members	4	15	665	132	215	165	8
Number of inactive members	2	7	301	93	46	125	12
Average age of contributing members	48.4 years	43.9 years	43.9 years	42.4 years	46.2 years	40.2 years	49.8 years
Average length of service of contributing members	2.0 years	10.4 years	10.2 years	10.4 years	15.9 years	7.7 years	3.7 years

	Valley View	Van	Van Alstyne	Van Horn	Vega	Venus	Vernon
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$30,493	\$1,701,840	\$1,844,523	\$2,436,308	\$670,839	\$882,462	\$7,450,989
b. Noncontributing Members	20,939	226,188	1,882,474	184,953	0	287,229	3,539,853
c. Annuitants	10,763	587,625	1,166,133	1,782,500	1,144,415	723,118	10,966,116
2. Total Actuarial Accrued Liability	\$62,195	\$2,515,653	\$4,893,130	\$4,403,761	\$1,815,254	\$1,892,809	\$21,956,958
3. Actuarial value of assets	63,800	2,558,673	4,358,775	3,903,525	1,526,762	1,847,052	19,292,809
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$1,605)	(\$43,020)	\$534,355	\$500,236	\$288,492	\$45,757	\$2,664,149
5. Funded Ratio: (3) / (2)	102.6%	101.7%	89.1%	88.6%	84.1%	97.6%	87.9%
6. Annual Payroll	\$242,927	\$922,834	\$1,702,132	\$1,134,681	\$262,122	\$1,160,465	\$3,945,028
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	1.87%	7.47%	7.74%	4.66%	10.81%	10.25%	7.37%
Prior Service	-0.04%	-0.29%	2.01%	3.54%	12.48%	0.29%	4.92%
Total Retirement	1.83%	7.18%	9.75%	8.20%	23.29%	10.54%	12.29%
Supplemental Death	0.14%	0.25%	0.17%	0.20%	0.18%	0.00%	0.32%
Total Rate	1.97%	7.43%	9.92%	8.40%	23.47%	10.54%	12.61%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A						
Statutory Maximum Rate (Total Retirement Only)	N/A	12.50%	12.50%	9.50%	N/A	13.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	25.0 years	24.9 years	18.5 years	10.8 years	19.1 years	19.3 years
Number of annuitants	1	10	17	15	4	10	70
Number of active contributing members	5	20	40	24	6	23	90
Number of inactive members	7	13	55	9	0	14	106
Average age of contributing members	48.2 years	48.3 years	36.4 years	46.6 years	44.7 years	39.6 years	41.8 years
Average length of service of contributing members	2.3 years	13.8 years	4.8 years	12.7 years	7.2 years	7.2 years	8.5 years

			Village Fire				
	Victoria	Vidor	Department	Village of the Hills	Waco	Waelder	Wake Village
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$75,505,351	\$7,743,644	\$6,443,937	\$21,536	\$248,290,876	\$651,407	\$1,030,300
b. Noncontributing Members	20,548,268	2,072,178	3,330,983	0	24,979,201	207,242	514,099
c. Annuitants	104,919,922	9,916,197	9,730,599	0	235,318,284	206,688	2,845,100
2. Total Actuarial Accrued Liability	\$200,973,541	\$19,732,019	\$19,505,519	\$21,536	\$508,588,361	\$1,065,337	\$4,389,499
3. Actuarial value of assets	161,681,760	17,717,463	18,471,189	19,171	442,534,228	1,022,765	3,748,078
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$39,291,781	\$2,014,556	\$1,034,330	\$2,365	\$66,054,133	\$42,572	\$641,421
5. Funded Ratio: (3) / (2)	80.4%	89.8%	94.7%	89.0%	87.0%	96.0%	85.4%
6. Annual Payroll	\$32,021,745	\$3,503,805	\$3,710,413	\$92,371	\$83,965,529	\$717,585	\$1,108,020
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	7.61%	9.71%	3.66%	5.60%	7.50%	2.28%	9.30%
Prior Service	8.69%	4.51%	2.63%	0.56%	6.83%	0.47%	3.54%
Total Retirement	16.30%	14.22%	6.29%	6.16%	14.33%	2.75%	12.84%
Supplemental Death	0.19%	0.24%	0.14%	0.06%	0.00%	0.25%	0.23%
Total Rate	16.49%	14.46%	6.43%	6.22%	14.33%	3.00%	13.07%
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	N/A	N/A	N/A	7.50%	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	20.1 years	17.4 years	13.8 years	5.0 years	15.1 years	17.4 years	25.2 years
Number of annuitants	471	50	28	0	1,051	5	23
Number of active contributing members	579	68	48	1	1,422	19	27
Number of inactive members	400	43	31	0	612	18	17
Average age of contributing members	40.6 years	46.7 years	39.1 years	45.3 years	44.7 years	42.8 years	37.6 years
Average length of service of contributing members	9.9 years	8.6 years	10.3 years	19.8 years	12.0 years	9.5 years	5.4 years

	Waller	Wallis	Walnut Springs	Waskom	Watauga	Waxahachie	Weatherford
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$1,085,323	\$411,661	\$82,066	\$1,115,111	\$24,807,185	\$39,634,262	\$62,674,036
b. Noncontributing Members	247,039	332,599	0	180,731	9,651,579	5,105,321	9,677,056
c. Annuitants	1,950,525	413,628	75,667	1,019,387	17,079,638	27,625,988	49,735,518
2. Total Actuarial Accrued Liability	\$3,282,887	\$1,157,888	\$157,733	\$2,315,229	\$51,538,402	\$72,365,571	\$122,086,610
3. Actuarial value of assets	3,324,609	1,226,030	149,492	1,947,348	45,711,696	59,634,667	108,952,907
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$41,722)	(\$68,142)	\$8,241	\$367,881	\$5,826,706	\$12,730,904	\$13,133,703
5. Funded Ratio: (3) / (2)	101.3%	105.9%	94.8%	84.1%	88.7%	82.4%	89.2%
6. Annual Payroll	\$1,729,108	\$631,710	\$91,219	\$775,259	\$9,520,427	\$16,116,678	\$22,511,783
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	4.11%	3.06%	1.54%	3.23%	10.15%	9.87%	9.42%
Prior Service	-0.15%	-0.66%	2.39%	3.60%	4.05%	5.49%	3.95%
Total Retirement	3.96%	2.40%	3.93%	6.83%	14.20%	15.36%	13.37%
Supplemental Death	0.34%	0.19%	0.16%	0.24%	0.17%	0.19%	0.17%
Total Rate	4.30%	2.59%	4.09%	7.07%	14.37%	15.55%	13.54%
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%	8.50%	N/A	7.50%	N/A	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	25.0 years	4.1 years	19.2 years	22.2 years	20.6 years	21.5 years
Number of annuitants	21	5	2	8	101	129	223
Number of active contributing members	34	16	2	16	162	275	359
Number of inactive members	21	18	0	12	166	47	172
Average age of contributing members	46.9 years	43.6 years	49.8 years	49.3 years	43.3 years	42.2 years	41.4 years
Average length of service of contributing members	6.3 years	4.7 years	9.2 years	12.0 years	11.5 years	10.2 years	10.8 years

	Webster	Weimar	Wellington	Wells	Weslaco	West	West Columbia
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$34,516,788	\$3,400,334	\$1,758,404	\$47,129	\$17,128,644	\$836,236	\$2,317,419
b. Noncontributing Members	7,392,714	976,255	9,111	35,729	4,521,577	119,536	403,623
c. Annuitants	23,772,318	3,888,011	1,550,077	199,502	20,953,599	1,103,085	1,752,702
2. Total Actuarial Accrued Liability	\$65,681,820	\$8,264,600	\$3,317,592	\$282,360	\$42,603,820	\$2,058,857	\$4,473,744
3. Actuarial value of assets	55,083,624	7,259,624	3,357,744	295,291	38,748,483	2,359,130	5,013,958
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$10,598,196	\$1,004,976	(\$40,152)	(\$12,931)	\$3,855,337	(\$300,273)	(\$540,214)
5. Funded Ratio: (3) / (2)	83.9%	87.8%	101.2%	104.6%	91.0%	114.6%	112.1%
6. Annual Payroll	\$11,629,335	\$1,314,907	\$460,619	\$150,750	\$10,598,318	\$828,382	\$1,667,209
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	12.10%	9.03%	4.81%	3.54%	5.30%	3.63%	5.18%
Prior Service	5.60%	7.86%	-0.54%	-0.58%	2.97%	-2.23%	-1.99%
Total Retirement	17.70%	16.89%	4.27%	2.96%	8.27%	1.40%	3.19%
Supplemental Death	0.21%	0.25%	0.51%	0.00%	0.18%	0.21%	0.00%
Total Rate	17.91%	17.14%	4.78%	2.96%	8.45%	1.61%	3.19%
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	N/A	7.50%	N/A	9.50%	11.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	12.6 years	25.0 years	25.0 years	18.2 years	25.0 years	25.0 years
Number of annuitants	105	28	13	2	159	12	22
Number of active contributing members	162	27	13	6	228	20	34
Number of inactive members	99	12	4	3	160	14	35
Average age of contributing members	43.4 years	45.6 years	49.0 years	39.2 years	41.9 years	45.1 years	44.6 years
Average length of service of contributing members	13.1 years	11.9 years	15.4 years	3.8 years	9.4 years	9.3 years	8.2 years

	West Lake Hills	West Orange	West Tawakoni	West Univ. Place	Westlake	Westover Hills	Westworth Village
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,076,767	\$5,163,311	\$971,912	\$20,172,308	\$6,233,839	\$733,000	\$2,916,148
b. Noncontributing Members	2,014,777	852,255	63,248	8,641,737	1,027,667	211,997	1,167,930
c. Annuitants	5,030,071	4,557,125	415,418	23,503,979	922,487	1,096,641	1,922,438
2. Total Actuarial Accrued Liability	\$9,121,615	\$10,572,691	\$1,450,578	\$52,318,024	\$8,183,993	\$2,041,638	\$6,006,516
3. Actuarial value of assets	7,755,685	8,740,062	1,207,588	45,311,663	6,786,136	1,967,650	5,514,696
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$1,365,930	\$1,832,629	\$242,990	\$7,006,361	\$1,397,857	\$73,988	\$491,820
5. Funded Ratio: (3) / (2)	85.0%	82.7%	83.2%	86.6%	82.9%	96.4%	91.8%
6. Annual Payroll	\$1,754,054	\$1,328,205	\$581,447	\$10,027,431	\$3,842,199	\$1,300,567	\$2,473,031
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	11.61%	10.00%	5.20%	8.65%	9.44%	2.00%	10.51%
Prior Service	4.79%	10.02%	3.86%	4.24%	2.33%	0.35%	1.23%
Total Retirement	16.40%	20.02%	9.06%	12.89%	11.77%	2.35%	11.74%
Supplemental Death	0.27%	0.00%	0.22%	0.18%	0.19%	0.30%	0.20%
Total Rate	16.67%	20.02%	9.28%	13.07%	11.96%	2.65%	11.94%
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	N/A	N/A	N/A	N/A	9.50%	13.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	19.4 years	15.1 years	25.5 years	23.4 years	24.6 years	24.7 years
Number of annuitants	31	18	11	109	11	23	19
Number of active contributing members	23	24	18	126	43	24	45
Number of inactive members	33	12	10	103	25	9	52
Average age of contributing members	40.9 years	47.4 years	41.7 years	43.1 years	45.8 years	42.4 years	43.1 years
Average length of service of contributing members	7.7 years	13.3 years	6.7 years	12.1 years	10.4 years	9.6 years	9.3 years

	Wharton	Wheeler	White Deer	White Oak	White Settlement	Whiteface	Whitehouse
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$8,789,661	\$215,955	\$180,068	\$5,881,063	\$14,566,048	\$284,164	\$2,682,629
b. Noncontributing Members	2,496,199	73,442	148,662	1,312,453	4,910,536	360,226	1,164,676
c. Annuitants	5,653,417	980,173	320,260	5,541,746	14,762,981	18,142	1,615,146
2. Total Actuarial Accrued Liability	\$16,939,277	\$1,269,570	\$648,990	\$12,735,262	\$34,239,565	\$662,532	\$5,462,451
3. Actuarial value of assets	16,164,204	1,237,793	473,604	11,801,945	26,799,979	745,840	4,852,494
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$775,073	\$31,777	\$175,386	\$933,317	\$7,439,586	(\$83,308)	\$609,957
5. Funded Ratio: (3) / (2)	95.4%	97.5%	73.0%	92.7%	78.3%	112.6%	88.8%
6. Annual Payroll	\$5,675,798	\$288,405	\$218,129	\$2,163,667	\$6,708,853	\$126,166	\$2,048,059
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	4.78%	7.08%	3.75%	11.76%	9.69%	5.68%	6.67%
Prior Service	0.92%	0.88%	5.81%	2.64%	7.38%	-4.05%	1.99%
Total Retirement	5.70%	7.96%	9.56%	14.40%	17.07%	1.63%	8.66%
Supplemental Death	0.23%	0.14%	0.79%	0.24%	0.16%	0.47%	0.17%
Total Rate	5.93%	8.10%	10.35%	14.64%	17.23%	2.10%	8.83%
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)	9.50%	N/A	N/A	N/A	N/A	N/A	11.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	21.7 years	16.8 years	19.5 years	25.1 years	22.1 years	25.0 years	23.4 years
Number of annuitants	40	3	6	31	91	1	20
Number of active contributing members	100	7	5	43	114	2	44
Number of inactive members	65	4	9	20	131	3	35
Average age of contributing members	44.5 years	43.3 years	57.8 years	46.0 years	41.7 years	49.3 years	39.5 years
Average length of service of contributing members	11.2 years	4.7 years	6.6 years	13.5 years	9.1 years	16.5 years	9.2 years

	Whitesboro	Whitewright	Whitney	Wichita Falls	Willis	Willow Park	Wills Point
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$4,373,077	\$400,243	\$590,348	\$116,423,280	\$3,261,273	\$1,313,682	\$1,254,878
b. Noncontributing Members	844,821	466,209	215,082	15,694,496	758,825	493,040	719,623
c. Annuitants	1,900,920	386,427	350,263	139,435,562	1,958,596	321,822	2,758,698
2. Total Actuarial Accrued Liability	\$7,118,818	\$1,252,879	\$1,155,693	\$271,553,338	\$5,978,694	\$2,128,544	\$4,733,199
3. Actuarial value of assets	6,817,276	1,336,745	1,075,608	228,560,971	5,469,149	1,898,408	3,945,980
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$301,542	(\$83,866)	\$80,085	\$42,992,367	\$509,545	\$230,136	\$787,219
5. Funded Ratio: (3) / (2)	95.8%	106.7%	93.1%	84.2%	91.5%	89.2%	83.4%
6. Annual Payroll	\$2,020,072	\$840,026	\$755,612	\$46,722,157	\$2,177,869	\$2,031,170	\$1,149,853
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	4.97%	3.74%	3.35%	5.53%	7.99%	6.63%	6.29%
Prior Service	1.41%	-0.61%	0.72%	7.75%	1.47%	0.78%	5.72%
Total Retirement	6.38%	3.13%	4.07%	13.28%	9.46%	7.41%	12.01%
Supplemental Death	0.25%	0.14%	0.19%	0.00%	0.18%	0.13%	0.21%
Total Rate	6.63%	3.27%	4.26%	13.28%	9.64%	7.54%	12.22%
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)	9.50%	9.50%	7.50%	N/A	13.50%	N/A	N/A
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	13.5 years	25.0 years	24.8 years	15.8 years	24.1 years	20.9 years	17.4 years
Number of annuitants	27	9	12	661	20	10	21
Number of active contributing members	48	20	20	968	41	37	29
Number of inactive members	35	25	20	486	29	38	47
Average age of contributing members	47.0 years	40.1 years	44.1 years	45.6 years	41.4 years	42.4 years	42.4 years
Average length of service of contributing members	11.4 years	4.9 years	9.7 years	11.6 years	10.1 years	8.3 years	5.8 years

	Wilmer	Wimberley	Windcrest	Winfield	Wink	Winnsboro	Winona
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$2,182,556	\$94,709	\$3,197,903	\$43,831	\$532,763	\$1,734,331	\$61,714
b. Noncontributing Members	556,108	278,363	2,420,623	34,974	127,410	765,811	113,771
c. Annuitants	967,092	49,450	4,300,515	0	222,064	3,013,699	304,475
2. Total Actuarial Accrued Liability	\$3,705,756	\$422,522	\$9,919,041	\$78,805	\$882,237	\$5,513,841	\$479,960
3. Actuarial value of assets	3,732,755	336,432	9,508,947	73,519	871,842	4,895,090	755,227
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$26,999)	\$86,090	\$410,094	\$5,286	\$10,395	\$618,751	(\$275,267
5. Funded Ratio: (3) / (2)	100.7%	79.6%	95.9%	93.3%	98.8%	88.8%	157.49
6. Annual Payroll	\$2,228,763	\$432,960	\$3,481,083	\$85,036	\$406,159	\$1,643,863	\$195,264
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	4.56%	4.35%	6.55%	3.15%	7.58%	6.73%	10.60
Prior Service	-0.08%	2.21%	0.72%	0.66%	0.27%	2.37%	-8.66
Total Retirement	4.48%	6.56%	7.27%	3.81%	7.85%	9.10%	1.94
Supplemental Death	0.11%	0.17%	0.21%	0.36%	0.28%	0.25%	0.21
Total Rate	4.59%	6.73%	7.48%	4.17%	8.13%	9.35%	2.15
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A	N/A	N/A	N,
Statutory Maximum Rate (Total Retirement Only)	12.50%	N/A	10.50%	N/A	N/A	11.50%	13.50
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	25.0 years	11.1 years	25.0 years	11.6 years	12.0 years	23.9 years	25.0 yea
Number of annuitants	24	5	47	0	3	25	·
Number of active contributing members	50	10	65	2	10	40	
Number of inactive members	64	11	60	4	3	35	
Average age of contributing members	40.5 years	38.6 years	45.3 years	57.9 years	51.1 years	44.1 years	47.1 yea
Average length of service of contributing members	8.1 years	3.4 years	6.9 years	16.0 years	7.3 years	7.1 years	1.7 yea

	Winters	Wolfforth	Woodcreek	Woodsboro	Woodville	Woodway	Wortham
SUMMARY OF ACTUARIAL INFORMATION							
1. Actuarial Accrued Liability							
a. Contributing Members	\$394,419	\$3,301,604	\$63,742	\$286,253	\$6,116,436	\$12,851,976	\$312,644
b. Noncontributing Members	264,849	82,091	4,616	10,144	418,230	2,216,658	98,439
c. Annuitants	2,569,227	931,886	63,515	255,366	2,063,443	12,824,048	267,224
2. Total Actuarial Accrued Liability	\$3,228,495	\$4,315,581	\$131,873	\$551,763	\$8,598,109	\$27,892,682	\$678,307
3. Actuarial value of assets	3,038,016	3,318,881	128,651	776,325	7,200,938	23,315,929	721,971
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$190,479	\$996,700	\$3,222	(\$224,562)	\$1,397,171	\$4,576,753	(\$43,664)
5. Funded Ratio: (3) / (2)	94.1%	76.9%	97.6%	140.7%	83.8%	83.6%	106.4%
6. Annual Payroll	\$549,016	\$1,399,230	\$136,713	\$491,179	\$1,545,745	\$5,174,091	\$330,382
CITY CONTRIBUTION RATES FOR 2020							
Retirement							
Normal Cost	7.87%	6.94%	7.69%	3.55%	9.48%	9.20%	6.20%
Prior Service	2.54%	4.55%	0.34%	-2.81%	7.91%	7.57%	-0.84%
Total Retirement	10.41%	11.49%	8.03%	0.74%	17.39%	16.77%	5.36%
Supplemental Death	0.34%	0.21%	0.71%	0.17%	0.26%	0.16%	0.07%
Total Rate	10.75%	11.70%	8.74%	0.91%	17.65%	16.93%	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)	11.50%	N/A	N/A	7.50%	N/A	N/A	12.50%
ADDITIONAL INFORMATION							
Equivalent Single Amortization Period as of 1/2020	20.1 years	23.5 years	8.0 years	25.0 years	15.0 years	15.4 years	25.0 years
Number of annuitants	16	6	2	3	13	43	4
Number of active contributing members	15	28	3	12	33	85	8
Number of inactive members	15	17	3	4	13	65	8
Average age of contributing members	43.9 years	42.5 years	66.2 years	46.8 years	46.2 years	41.1 years	37.0 years
Average length of service of contributing members	6.1 years	9.2 years	9.4 years	7.8 years	13.5 years	9.2 years	5.4 years

	Wylie	Yoakum	Yorktown	Zavalla		
SUMMARY OF ACTUARIAL INFORMATION						
1. Actuarial Accrued Liability						
a. Contributing Members	\$52,001,665	\$12,744,073	\$556,444	\$210,267		
b. Noncontributing Members	6,798,839	1,778,638	92,601	148,787		
c. Annuitants	18,117,055	11,967,934	799,449	115,901		
2. Total Actuarial Accrued Liability	\$76,917,559	\$26,490,645	\$1,448,494	\$474,955		
3. Actuarial value of assets	61,826,999	22,246,116	1,469,659	621,422		
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	\$15,090,560	\$4,244,529	(\$21,165)	(\$146,467)		
5. Funded Ratio: (3) / (2)	80.4%	84.0%	101.5%	130.8%		
5. Annual Payroll	\$22,097,588	\$4,049,505	\$406,855	\$269,590		
CITY CONTRIBUTION RATES FOR 2020						
Retirement						
Normal Cost	10.55%	8.07%	1.17%	3.77%		
Prior Service	4.20%	8.07%	-0.32%	-3.68%		
Total Retirement	14.75%	16.14%	0.85%	0.09%		
Supplemental Death	0.11%	0.28%	0.60%	0.00%		
Total Rate	14.86%	16.42%	1.45%	0.09%		
Phase-In Rate (Minimum Contribution), Incl. Supplemental Death	N/A	N/A	N/A	N/A		
Statutory Maximum Rate (Total Retirement Only)	N/A	N/A	7.50%	9.50%		
ADDITIONAL INFORMATION						
Equivalent Single Amortization Period as of 1/2020	24.9 years	17.8 years	25.0 years	25.0 years		
Number of annuitants	104	56	12	1		
Number of active contributing members	324	81	9	9		
Number of inactive members	172	72	19	16		
Average age of contributing members	39.9 years	44.5 years	47.7 years	45.1 years		
Average length of service of contributing members	9.2 years	12.4 years	13.6 years	4.3 years	1	I

	Co	ovington	Cry	ystal Beach	Flore	sville No. 1		ham Regional Med Cntr	H. Laird Mem Hospital	s	anta Anna	Т	exhoma
SUMMARY OF ACTUARIAL INFORMATION													
1. Actuarial Accrued Liability													
a. Contributing Members		\$0		\$0		\$0		\$0	\$0		\$0		\$0
b. Noncontributing Members		5,833		0		0		7,153,600	6,576,159		0		120
c. Annuitants		0		73,594		17,061		9,979,159	 5,601,664		551		59,453
2. Total Actuarial Accrued Liability	'	\$5,833		\$73,594		\$17,061	-	\$17,132,759	 \$12,177,823		\$551		\$59,573
3. Actuarial value of assets		8,774		440,788		54,343		18,714,948	 11,962,306		615,008		66,291
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	'	(\$2,941)		(\$367,194)		(\$37,282)	-	(\$1,582,189)	 \$215,517		(\$614,457)		(\$6,718)
5. Funded Ratio: (3) / (2)		150.4%		598.9%		318.5%		109.2%	98.2%		111616.7%		111.3%
6. Annual Payroll		\$0		\$0		\$0		\$0	\$0		\$0		\$0
CITY CONTRIBUTION AMOUNT FOR 2020	\$	-	\$	-	\$	-	\$	-	\$ 31,671	\$	-	\$	-
Amortization Period		N/A		N/A		N/A		N/A	9 years		N/A		N/A
ADDITIONAL INFORMATION													
Number of annuitants		0		3		1		91	56		1		2
Number of inactive members		1		0		0		158	33		0		1

	Volente			
SUMMARY OF ACTUARIAL INFORMATION				
1. Actuarial Accrued Liability				
a. Contributing Members	\$0			
b. Noncontributing Members	28,320			
c. Annuitants	0			
2. Total Actuarial Accrued Liability	\$28,320			
3. Actuarial value of assets	35,709			
4. Unfunded/(overfunded) actuarial accrued liability: (2) - (3)	(\$7,389)			
5. Funded Ratio: (3) / (2)	126.1%			
6. Annual Payroll	\$0			
CITY CONTRIBUTION AMOUNT FOR 2020	\$ -			
Amortization Period	N/A			
ADDITIONAL INFORMATION				
Number of annuitants	0			
Number of inactive members	2			