

**CITY OF CARROLLTON, TEXAS**

TEXAS MUNICIPAL RETIREMENT SYSTEM

Table 20

ANALYSIS OF FUNDING PROGRESS AND CONTRIBUTION RATES (FUNDING BASIS)

Last Ten Fiscal Years plus FY 2017

(Unaudited)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Fiscal Year	Actuarial Value of Assets**	Actuarial Accrued Liability*	Funded Ratio (1/2)	Unfunded Actuarial Accrued Liability	Annual Covered Payroll	UAAL as a Percentage of ACP (4/5)	Total TMRS Required Contribution Rate	Prior Service Portion of the TMRS Rate
2007	\$ 146,875,267	\$ 178,152,761	82.4%	\$ 31,277,494	\$ 41,951,353	74.6%	12.56%	3.45%
2008	141,565,199	198,026,702	71.5%	56,461,503	42,811,373	131.9%	12.82%	3.65%
2009	150,073,733	197,379,646	76.0%	47,305,913	45,747,413	103.4%	16.74%	6.43%
2010	161,328,186	208,924,862	77.2%	47,596,676	46,403,538	102.6%	16.05%	5.53%
2011	257,904,344	281,246,707	91.7%	23,342,363	45,234,987	51.6%	16.28%	5.39%
2012	275,783,003	295,569,643	93.3%	19,786,640	44,593,544	44.4%	13.95%	2.98%
2013	294,274,104	309,695,066	95.0%	15,420,962	45,175,371	34.1%	13.66%	2.61%
2014	313,861,407	341,764,756	91.8%	27,903,349	46,640,263	59.8%	13.30%	2.04%
2015	334,260,620	356,702,669	93.7%	22,442,049	48,904,096	45.9%	12.45%	4.82%
2016	353,760,083	378,581,941	93.4%	24,821,858	52,561,347	47.2%	11.48%	3.92%
2017***	N/A	N/A	N/A	N/A	N/A	N/A	12.44%	4.03%

\* As of December 31 of the preceding year, the date of the actuarial valuation.

\*\* Assets are stated at amortized cost as of December 31 of the preceding year for years 2006 to 2008. Beginning in 2009, actuarial value of assets is calculated using 10-year smoothing.

\*\*\* Fiscal Year 2017 information will be based on the 12/31/16 valuation which will not be complete until May 2017.

Source: Texas Municipal Retirement System

Notes:

The actuarial accrued liability was calculated using the Unit Credit actuarial funding method for fiscal years 2006 and 2007, Projected Unit Credit actuarial funding method for fiscal years 2008 to 2013, and Entry Age Normal actuarial funding method for fiscal year 2014 and 2015.

Fiscal year 2008 and forward actuarial accrued liability adjusted for plan changes adopted effective January 1, 2009.

Fiscal year 2009 and forward actuarial accrued liability adjusted for plan changes adopted effective January 1, 2010.

Fiscal years 2011 and forward includes the impact of Senate Bill 350 enacted by the Texas Legislature in June 2011. This legislation provided a restructuring of the Texas Municipal Retirement System funds effective December 31, 2010. Previously reported amounts included only Employee Savings Fund and Municipal Accumulation Fund but excluded the City's portion of the Current Service Annuity Fund (CSARF) in which costs for all retirees were shared. The legislation eliminated the CSARF returning both liabilities and assets for retirees to the respective employer accounts.

Fiscal year 2014 and forward includes an update to the mortality table used to determine the annuity purchase rate.

Effective in fiscal year 2015, GASB Statement No. 68 "Accounting and Financial Reporting for Pensions" (GASB 68) created two actuarial valuations for pensions; a funding valuation and a reporting valuation. Trend information for the GASB 68 reporting valuation is included as Required Supplementary Information (RSI) immediately following the Notes to Basic Financial Statements. This table contains information on a funding basis only.