

**WICHITA FALLS FIREMEN'S RELIEF
AND RETIREMENT FUND**

WICHITA FALLS, TEXAS

FINANCIAL STATEMENTS

DECEMBER 31, 2017 AND 2016

**WICHITA FALLS FIREMEN'S RELIEF
AND RETIREMENT FUND
DECEMBER 31, 2017 AND 2016**

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INDEPENDENT AUDITOR'S REPORT

Board of Trustees
Wichita Falls Firemen's Relief and Retirement Fund

Report on the Financial Statements

We have audited the accompanying financial statements of the Wichita Falls Firemen's Relief and Retirement Fund (Plan) as of and for the years ended December 31, 2017 and 2016, and the related notes to the financial statements, which collectively comprise the Plan's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Plan as of December 31, 2017 and 2016, and the changes in plan net position for the years then ended, in conformity with accounting principles generally accepted in the United States of America.



Other Matters

Accounting principles generally accepted in the United States of America require that the Management's Discussion and Analysis and Required Supplementary Schedules listed in the table of contents be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the Required Supplementary Schedules in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Henry + Peters, P.C.

**WICHITA FALLS FIREMEN'S RELIEF
AND RETIREMENT FUND
MANAGEMENT'S DISCUSSION AND ANALYSIS - UNAUDITED
DECEMBER 31, 2017**

The Management's Discussion and Analysis (MD&A) of the Wichita Falls Firemen's Relief and Retirement Fund (Plan) for the year ended December 31, 2017, provides a summary of the financial position and performance of the Plan, including highlights and comparisons. The MD&A is presented as a narrative overview and analysis. For more detailed information regarding the Plan's financial activities, the reader should also review the actual financial statements, including the notes and supplementary schedules.

Overview of the Financial Statements

This MD&A is intended to serve as an introduction to the Plan's basic financial statements, which comprise the following components:

- Fund financial statements
- Notes to financial statements
- Required supplementary information

Collectively, this information presents the net position and summarizes the changes in position of the Plan as of December 31, 2017. The information available in each of these sections is briefly summarized below.

- **Fund Financial Statements.** The financial statements presented include Fiduciary Fund statements. Fiduciary Fund statements represent the financial position and activities of the Pension Trust Fund. A Statement of Fiduciary Net Position and a Statement of Changes in Fiduciary Net Position are presented for the Pension Trust Fund as of December 31, 2017 and for the year then ended. These financial statements reflect the resources available to pay benefits to retirees and other beneficiaries.
- **Notes to Financial Statements.** The financial statement notes provide additional information that is essential to a full understanding of the data provided in the fund financial statements. Information available in the notes to the financial statements is described below:
 - Note 1 provides a general description of the Plan, including membership and benefit provisions, as well as a description of its reporting entity.
 - Note 2 provides a summary of significant accounting policies, including the basis of presentation and accounting and explanations of investment fair value estimates.
 - Note 3 provides a general description of the contributions.
 - Note 4 provides information on the Plan's investment portfolio including information pertaining to the investment policy, and rate of return of the portfolio.
 - Note 5 provides the components of the net pension liability of the employer, summarizes actuarial assumptions and discount rate.
 - Note 6 explains that the Plan and related trust are designed in accordance with applicable sections of the Internal Revenue Code.
 - Note 7 explains that the Plan is exposed to various investment risks.
 - Note 8 provides a description of the required supplementary information.
 - Note 9 explains that the Plan has evaluated subsequent events through the date on which the financial statements were available to be issued.
- **Required Supplementary Schedules.** Required supplementary schedules include schedules and related notes concerning the annual fluctuations in the net pension liability of the Plan and employer contributions required of the City to the Plan. Also included are certain actuarial assumptions that have an effect on the net pension liability and required contributions.

**WICHITA FALLS FIREMEN'S RELIEF
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MANAGEMENT'S DISCUSSION AND ANALYSIS - UNAUDITED
DECEMBER 31, 2017**

Financial Highlights

Fiduciary Fund – Pension Trust Fund

The following table displays a summary of assets, liabilities, net position and changes in net position for the Plan at December 31, 2017 with comparative data:

	2017	2016
Assets	\$ 51,473,670	\$ 46,979,635
Liabilities	(26,048)	(29,593)
Net Position	51,447,622	46,950,042
Change in net position	\$ 4,497,580	\$ 553,127

Additions to net assets held in the trust for pension benefits include employer and member contributions as well as investment income. Such amounts were as follows in 2017 with comparative data:

Employer contributions	\$ 1,411,351	\$ 1,283,410
Member contributions	1,463,122	1,350,904
Net investment income	7,033,337	2,577,572
Other income	-	250
Total additions	\$ 9,907,810	\$ 5,212,136

Plan membership totaled 294 and 284 at December 31, 2017 and 2016, respectively. The employer contribution rate was 12.54% and 12.00% for December 31, 2017 and 2016, respectively.

Investment income is presented net of appreciation in fair value of investments, and is comprised of interest and dividends. The change in investment income for 2017 was due in large part to the increase in fair value of investments and fluctuations of the market and economic conditions.

Deductions from net position restricted for pension benefits include payments of retirement benefits and refunds, as well as administrative and other expenses. Such amounts are as follows for 2017 with comparative data.

Benefits paid to participants	\$ 4,480,825	\$ 3,983,671
Refunds and drop payments	771,447	559,495
Administrative & other expenses	157,958	115,843
Total deductions	\$ 5,410,230	\$ 4,659,009

**WICHITA FALLS FIREMEN'S RELIEF
AND RETIREMENT FUND
MANAGEMENT'S DISCUSSION AND ANALYSIS - UNAUDITED
DECEMBER 31, 2017**

Requests for Information

This financial report is designed to provide a general overview of the Wichita Falls Firemen's Relief and Retirement Fund finances. Questions and requests for additional information should be addressed to the Fire Pension Board, 624 Indiana Avenue, Suite 305, Wichita Falls, TX 76301.

BASIC FINANCIAL STATEMENTS

**WICHITA FALLS FIREMEN'S RELIEF
AND RETIREMENT FUND
STATEMENTS OF FIDUCIARY NET POSITION
DECEMBER 31, 2017 AND 2016**

	2017	2016
ASSETS		
Cash and cash equivalents		
Cash	\$ 200	\$ -
Cash equivalents	130,986	117,544
Total cash and cash equivalents	131,186	117,544
Receivables		
Distribution receivable	50,678	52,646
Interest and dividends	-	36,621
Total receivables	50,678	89,267
Investments, at fair value		
Investment in partnership	2,126,077	2,103,406
Mutual funds	41,250,050	38,799,483
U.S. Treasury and agency securities	5,177,864	4,588,032
Corporate bonds	719,507	1,152,093
Corporate stocks	1,010,548	-
Real estate investment trusts	-	129,810
Total investments	50,284,046	46,772,824
Other assets	1,007,760	-
Total assets	51,473,670	46,979,635
LIABILITIES		
Accrued expenses	26,048	29,593
Net position - restricted for pension benefits	\$ 51,447,622	\$ 46,950,042

See accompanying notes to financial statements.

**WICHITA FALLS FIREMEN'S RELIEF
AND RETIREMENT FUND
STATEMENTS OF CHANGES IN FIDUCIARY NET POSITION
FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016**

	<u>2017</u>	<u>2016</u>
ADDITIONS		
Contributions		
Employer	\$ 1,411,351	\$ 1,283,410
Members	1,463,122	1,350,904
Total contributions	<u>2,874,473</u>	<u>2,634,314</u>
Investment income		
Interest and dividend income	1,491,610	1,370,971
Net appreciation in fair value of investments	5,740,017	1,433,883
Less investment expense	<u>(198,290)</u>	<u>(227,282)</u>
Total investment income	<u>7,033,337</u>	<u>2,577,572</u>
Other income	<u>-</u>	<u>250</u>
Total additions	<u>9,907,810</u>	<u>5,212,136</u>
DEDUCTIONS		
Benefits paid to participants	4,480,825	3,983,671
Refunds and drop payments	771,447	559,495
Administrative expenses	<u>157,958</u>	<u>115,843</u>
Total deductions	<u>5,410,230</u>	<u>4,659,009</u>
Net increase	4,497,580	553,127
Net position - restricted for pension benefits		
Beginning of year	<u>46,950,042</u>	<u>46,396,915</u>
End of year	<u>\$ 51,447,622</u>	<u>\$ 46,950,042</u>

See accompanying notes to financial statements.

**WICHITA FALLS FIREMEN'S RELIEF AND RETIREMENT FUND
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2017 AND 2016**

NOTE 1: PLAN DESCRIPTION

BACKGROUND AND REPORTING ENTITY

The Wichita Falls Firemen's Relief and Retirement Fund (Plan) was established October 1, 1941 pursuant to the Texas Local Firefighter's Retirement Act of 1937 (Act). The purpose of the Plan is to provide specific benefits to members at retirement or disability and to their beneficiaries in case of death.

The Plan is administered by a seven-member Board of Trustees (Board), which includes three members elected from and by the Plan members, two representatives of the City of Wichita Falls (the City), and two citizen members elected by the Board. The Board oversees the Plan and sets policies for its operation, including appointing management and directing investments.

The Plan is a single-employer defined benefit pension plan. The Plan is an independent entity for financial reporting purposes.

MEMBERSHIP

Firefighters for the City are covered by the Wichita Falls Firemen's Relief and Retirement Fund. The membership consisted of the following as of December 31:

	2017	2016
Inactive Plan members or beneficiaries currently receiving benefits	136	124
Inactive Plan members entitled to but not yet receiving benefits	2	3
Active Plan members	156	157
Total membership	294	284

BENEFIT PROVISIONS

The Plan provides service retirement, death, disability, and termination benefits. These benefits fully vest after 20 years of credited service. Members may retire at age 50 with 20 years of service. The Plan provides a monthly normal retirement benefit equal to 2.55% of the member's highest three year average salary, multiplied by years of credited service as of date of termination. Six payment options are available. These options allow members to adjust the amount and longevity of the monthly benefit.

The Plan provisions also allow members the opportunity to select initial lump sum distributions, referred to as DROP payments, if certain eligibility requirements are met. There is no provision for automatic postretirement benefit increases. The Plan has the authority to provide for ad hoc postretirement benefit increases. The benefit provisions of the Plan are authorized by the Act. The Act provides the authority and procedure to amend benefit provisions.

Effective April 20, 2016, the Plan was amended in an effort to reduce the remaining amortization period of the Plan's net pension liability. The member's contribution rate was increased from 12% to 13%. For members hired on or after April 20, 2016, this amendment extended the final average compensation period from three years to five years. The normal retirement date was changed from age fifty to age fifty-five, and the eligibility age for entry into the Deferred Retirement Option Program was changed from age fifty-three to age fifty-five. This amendment also reduced the normal service retirement factor from 2.55% to 2.50%.

WICHITA FALLS FIREMEN'S RELIEF AND RETIREMENT FUND
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2017 AND 2016

NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

BASIS OF PRESENTATION AND ACCOUNTING

The Plan financial statements are prepared in accordance with the standards of the Governmental Accounting Standards Board (GASB) for pension trust funds, with the financial activities recorded in a separate fund. The financial statements are prepared using the accrual basis of accounting. Member and employer contributions are recognized when due. Benefits and refunds are recognized when due and payable in accordance with the terms of the Plan. Investment transactions are recorded as of the date a transaction is agreed upon and investment income, from interest and dividends, is recorded when earned or declared. All other expenses are recognized when incurred.

ESTIMATES

The preparation of financial statements in conformity with generally accepted accounting principles requires the Plan administrator to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results may differ from those estimates.

INVESTMENTS

Investments are reported at fair value. The Plan determines the fair value of investments as follows:

- Debt and equity securities traded on national or international exchanges are valued at the last reported sales price at current exchange rates.
- Debt securities not traded on national or international exchanges are reported at estimated fair value based on equivalent values of comparable securities with similar yield and risk.
- Investments in open-ended mutual funds are based on the funds' current share price.
- Investments in partnerships or other alternative investments that are not traded on national or international exchanges are valued at the last reported share value.

Investment gains and losses arising from increases or decreases in the current market values from the beginning of the year to the end of the year and investment gains and losses arising from the sale or maturity of investments are reported as net appreciation (depreciation) in fair value on investments in the statements of changes in fiduciary net position.

OTHER ASSETS

In 2017, the Plan purchased an interest in LBC Credit Partners, a real estate partnership that is not readily marketable. It is recorded on the equity basis of accounting, and carried in other assets on the accompanying statements of fiduciary position.

ADMINISTRATIVE COSTS

The administrative costs are paid by the Plan through the use of investment earnings.

NOTE 3: CONTRIBUTIONS

The contribution provisions of the Plan are authorized by the Act. The Act provides the authority and procedure to change the amount of contributions determined as a percentage of pay by each member and a percentage of payroll by the City.

While the contribution requirements are not actuarially determined, state law requires that each category of benefits adopted by the Plan must be approved by an eligible actuary. The actuary certifies that the contribution commitment by the members and the City provides an adequate financing arrangement.

**WICHITA FALLS FIREMEN'S RELIEF AND RETIREMENT FUND
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2017 AND 2016**

NOTE 3: CONTRIBUTIONS

The funding policy of the Plan requires contributions by the members at the rate elected by the members according to the Act. The City's contribution rate is based on the Texas Municipal Retirement System's formula. Contribution rates as of December 31 were as follows:

	2017		2016	
	Amount	Percentage	Amount	Percentage
Employer	\$ 1,411,351	12.54%	\$ 1,283,410	12.00%
Members	1,463,122	13.00%	1,350,904	13.00%

NOTE 4: INVESTMENTS

The Board has established, and has the authority to amend, the following investment guidelines:

EQUITIES

- Must be traded on a national exchange or electronic network; and
- Not more than five percent (5%) of the Plan's assets, at book value, shall be invested in the stock of one corporation, nor shall a retirement system own more than five percent (5%) of the voting stock of one corporation.

FIXED INCOME

- The purchase of high yield bonds and convertible bonds is permitted if so stated in the investment manager agreement for that Manager. All other fixed income investments shall have a minimum rating of investment grade or higher as reported by a major credit rating service unless specifically approved by the Board to invest below investment grade; and
- Not more than five percent (5%) of the Plan's assets, at book value, shall be invested in the bonds of one corporation.

MONEY MARKET

- The money market fund or short term investment fund options provided by the Plan's custodian; and
- Have a minimum rating of A1/P1, or its equivalent, by a major credit rating service.

POOLED FUNDS

- Investments made by the Board may include pooled funds. For purposes of this policy, pooled funds may include, but are not limited to, mutual funds, commingled funds, exchanged-traded funds, limited partnerships and private equity. Pooled funds may be governed by separate documents which may include investments not expressly permitted in the investment policy statement (IPS). In the event of an investment by the Plan into a pooled fund, the prospectus or governing policy of that pooled fund, as updated from time to time, shall be treated as an addendum to this IPS.

ALTERNATIVE INVESTMENTS

- Alternative investment strategies are defined as those strategies that seek to produce investment returns that have low correlation to traditional equity and fixed income markets and highly dependent on manager skill more than market results. These strategies include private equity, hedge funds and fund of funds, real estate, and real assets.
- No more than five percent (5%) of the total Plan should be allocated to any one manager at the time of the commitment. To the extent possible, the allocation to a single manager should be limited to no more than ten percent (10%) of the total Plan based upon market value.

WICHITA FALLS FIREMEN'S RELIEF AND RETIREMENT FUND
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2017 AND 2016

NOTE 4: INVESTMENTS - CONTINUED
ALTERNATIVE INVESTMENTS - CONTINUED

- Given the illiquid nature of most alternative investments and the broad latitude given to most alternative managers, due diligence on these types of investments is of greater importance and shall be conducted, for the most part, by the investment consultant. In evaluating a given opportunity, factors to be analyzed include, but are not necessarily limited to: (1) the type of investment strategy to be employed, (2) the length of time the manager has been operating, (3) the internal controls in place, (4) the external controls in place such as independent administrators, auditors, legal representatives, etc. (5) reporting frequency, (6) valuation policy, (7) registration issues, (8) liquidation rights and (9) personal capital at risk or subordinated to the Plan's investment.

The Plan's investments at December 31, 2017 and 2016 are summarized below:

	Fair Value	
	2017	2016
<u>Cash equivalents</u>		
Money market funds	\$ 130,986	\$ 117,544
<u>Investments</u>		
Investment in partnership	2,126,077	2,103,406
Mutual funds	41,250,050	38,799,483
U.S. Treasury and agency securities	5,177,864	4,588,032
Corporate bonds	719,507	1,152,093
Corporate bonds	1,010,548	-
Real estate investment trusts	-	129,810
Total investments	50,284,046	46,772,824
Total investments and cash equivalents	\$ 50,415,032	\$ 46,890,368

In accordance with GASB Statement No. 72, *Fair Value Measurement and Application*, investments are recorded at fair value. In accordance with GASB Statement 72, the city categorizes its fair value measurements within the fair value hierarchy. The hierarchy is based on the valuation inputs used to measure the fair value of the asset. Level 1 inputs are quoted prices in active markets for identical assets; Level 2 inputs are significant other observable inputs; Level 3 inputs are significant unobservable inputs. Cash and cash equivalents, mutual funds, and real estate investment trusts are categorized as Level 1. U.S. Treasury and agency securities and corporate bonds are categorized as Level 2. The Plan's investment in partnership is categorized as Level 3, and a rollforward of the investment activity in 2017 is as follows:

	Investment in Partnership
Balance, beginning of year	\$ 2,103,406
Net realized and unrealized gains	30,734
Net investment income	71,021
Distributions	(79,084)
Balance, end of year	\$ 2,126,077

WICHITA FALLS FIREMEN'S RELIEF AND RETIREMENT FUND
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2017 AND 2016

NOTE 4: INVESTMENTS - CONTINUED

RATE OF RETURN

For the years ended December 31, 2017 and 2016, the annual money-weighted rate of return on Plan investments, net of Plan investment expense, was 15.42 and 5.10 percent, respectively. The money-weighted return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

NOTE 5: NET PENSION LIABILITY OF THE EMPLOYER

The components of the net pension liability of the employer on December 31, 2017 were as follows:

Total pension liability	\$ 121,933,825
Plan fiduciary net position	<u>(51,378,997)</u>
Employer's net pension liability	<u>\$ 70,554,828</u>
Plan fiduciary net position as a percentage of total pension liability	42.14%

ACTUARIAL ASSUMPTIONS

The total pension liability was determined by an actuarial valuation as of January 1, 2017 updated to December 31, 2017 using the following actuarial assumptions applied to all measurement periods.

Inflation	3.00%
Salary increases	Service based
Discount rate	4.83%
Investment rate of return	7.75%

Mortality rates were based on employee and healthy annuitant combined rates from the RP-2000 Mortality Table, projected to 2017 using Scale AA, with separate rates for males and females.

The long-term expected rate of return on Plan investments for the January 1, 2017 actuarial valuation and December 31, 2017 measurement date was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and adding expected inflation.

Best estimates of arithmetic real rates of return for each major asset class included in the Plan's target asset allocation as of December 31, 2017 are summarized in the following table:

Asset class	Long term expected real rate of return
Domestic equity	7.50%
International equity	8.50%
Domestic Fixed Income	2.50%
Global Fixed Income	3.50%
Real estate	4.50%
Alternative	5.00%

WICHITA FALLS FIREMEN'S RELIEF AND RETIREMENT FUND
NOTES TO FINANCIAL STATEMENTS
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NOTE 5: NET PENSION LIABILITY OF THE EMPLOYER - CONTINUED
DISCOUNT RATE

The projection of cash flows used to determine the Discount Rate assumed that current Plan Member and Sponsor contributions will be made at the current contribution rate. Future Member's contributions in excess of their normal costs were also included. Based on those assumptions, the Pension Plan's Fiduciary Net Position was projected to provide future benefit payments for 38 years. These payments were discounted using a discount rate of 7.75%. Future benefit payments beyond 38 years were discounted using a high quality municipal bond rate of 3.44%. The high quality municipal bond rate was based on the week closest to, but not later than, the measurement date of the Bond Buyer 20-Bond Index as published by the Bond Buyer. The single equivalent discount rate was 4.83%.

	1% Decrease	Current discount rate	1% Increase
	3.83%	4.83%	5.83%
Employer's net pension liability	\$ 88,629,597	\$ 70,554,828	\$ 55,767,003

NOTE 6: TAX STATUS

The Internal Revenue Service has determined and informed the Plan by a letter dated May 27, 2012, that the Plan and related trust are designed in accordance with applicable sections of the Internal Revenue Code (IRC). The Plan has been amended since receiving the determination letter. However, the Plan's board and tax counsel believe that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC.

NOTE 7: RISKS AND UNCERTAINTIES

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the value of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the financial statements.

NOTE 8: REQUIRED SUPPLEMENTARY INFORMATION

Required supplementary schedules for the Plan include the Schedule of Changes in Net Pension Liability and Related Ratios, the Schedule of Contributions, the Schedule of Investment Returns and the Notes to the Required Supplementary Schedules. These are presented in order to demonstrate the Plan's ability to pay the net pension liability and its progress in doing so. Certain schedules should include a ten-year history of information. As provided for in GASB Statement No. 67, this historical information is only presented for the years in which the information was measured in conformity with the requirements of the standard. The full trend information will be accumulated over the next six years as the necessary information becomes available.

NOTE 9: SUBSEQUENT EVENTS

The Plan has evaluated subsequent events through July 26, 2018, the date on which the financial statements were available to be issued.

REQUIRED SUPPLEMENTARY SCHEDULES

**WICHITA FALLS FIREMEN'S RELIEF
AND RETIREMENT FUND
REQUIRED SUPPLEMENTARY SCHEDULES - UNAUDITED
SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS
LAST 10 FISCAL YEARS ***

	12/31/2017	12/31/2016	12/31/2015	12/31/2014
Total pension liability				
Service cost	\$ 2,514,077	\$ 1,613,166	\$ 1,514,459	\$ 1,447,068
Service cost, administrative expenses				
Interest	5,887,833	5,740,141	5,743,802	5,537,931
Changes of benefit terms	-	-	6,752	-
Differences between Expected and Actual Experience	1,599,916	1,231,956	(3,155,703)	(320,862)
Changes of assumptions	24,056,360	16,673,408	-	(423,984)
Benefit payments, including refunds of member contributions	(5,250,040)	(4,543,166)	(3,950,906)	(3,616,549)
Net change in total pension liability	28,808,146	20,715,505	158,404	2,623,604
Total pension liability - beginning	93,125,679	72,410,174	72,251,770	69,628,166
Total pension liability - ending (a)	<u>\$ 121,933,825</u>	<u>\$ 93,125,679</u>	<u>\$ 72,410,174</u>	<u>\$ 72,251,770</u>
Plan fiduciary net position				
Contributions - employer	\$ 1,411,351	\$ 1,283,410	\$ 1,273,913	\$ 1,232,957
Contributions - member	1,463,122	1,350,904	1,221,926	1,144,644
Net investment income	6,581,299	2,577,572	421,270	3,284,243
Benefit payments, including refunds of member contributions	(5,250,040)	(4,543,166)	(3,950,906)	(3,616,549)
Administrative expense	(124,267)	(115,843)	(87,245)	(85,636)
Other	347,490	250	-	-
Net change in plan fiduciary net position	4,428,955	553,127	(1,121,042)	1,959,659
Plan fiduciary net position - beginning	46,950,042	46,396,915	47,517,957	45,558,298
Plan fiduciary net position - ending (b)	<u>\$ 51,378,997</u>	<u>\$ 46,950,042</u>	<u>\$ 46,396,915</u>	<u>\$ 47,517,957</u>
Net pension liability - ending (a) - (b)	<u>\$ 70,554,828</u>	<u>\$ 46,175,637</u>	<u>\$ 26,013,259</u>	<u>\$ 24,733,813</u>
Plan fiduciary net position as a percentage of the total pension liability	42.14%	50.42%	64.08%	65.77%
Covered member payroll	\$ 11,254,785	\$ 10,391,569	\$ 10,182,717	\$ 9,520,903
Net pension liability as a percentage of covered Member payroll	626.89%	444.36%	255.46%	259.78%

* - See Note 8 to the Financial Statements.

The 2014 results were provided by the prior actuary, John M. Crider, Jr.

Changes of benefit terms:

For the 2015 year, amounts reported as changes of benefits resulted from:

- The member contribution rate was increased from 12.0% to 13.0% of Salary for all members
- All future new entrants will accrue benefits under a "Tier 2" benefit structure.

Changes of assumptions:

For purposes of determining the GASB discount rate at the 12/31/2017 measurement date, a depletion date projection as of that date have been performed. The results of this projection showed a single discount rate of 4.83%. The discount rate was decreased from 6.33% to 4.83%. Other actuarial changes of assumptions in the 2017 year were a result of an actuarial experience study dated October 6, 2017, as approved by the Board of Trustees, the following changes were made:

- The actuarial asset method was changed to eliminate asset smoothing.
- The investment return assumption was lowered from 8.00% to 7.75% per year, net of all expenses.
- The assumed rates of salary increases were amended.
- The assumed rates of retirement were amended.
- The assumed rates of withdrawal were amended.
- The assumed rate of disablement was amended.

**WICHITA FALLS FIREMEN'S RELIEF
AND RETIREMENT FUND
REQUIRED SUPPLEMENTARY SCHEDULES - UNAUDITED
SCHEDULE OF CONTRIBUTIONS
LAST 10 FISCAL YEARS ***

	<u>12/31/2017</u>	<u>12/31/2016</u>	<u>12/31/2015</u>	<u>12/31/2014</u>
Contractually required contribution	\$ 1,411,351	\$ 1,283,410	\$ 1,273,913	\$ 1,232,957
Contributions in relation to the contractually required contributions	<u>1,411,351</u>	<u>1,283,410</u>	<u>1,273,913</u>	<u>1,232,957</u>
Contribution excess	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Covered employee payroll	\$ 11,254,785	\$ 10,391,569	\$ 10,182,717	\$ 9,520,903
Contributions as a percentage of covered employee payroll	12.54%	12.35%	12.51%	12.95%

* - See Note 8 to the Financial Statements.

**WICHITA FALLS FIREMEN'S RELIEF
AND RETIREMENT FUND
REQUIRED SUPPLEMENTARY SCHEDULES - UNAUDITED
SCHEDULE OF INVESTMENT RETURNS
LAST 10 FISCAL YEARS ***

	<u>12/31/2017</u>	<u>12/31/2016</u>	<u>12/31/2015</u>	<u>12/31/2014</u>
Annual money-weighted rate of return net of investment expense	15.42%	5.10%	0.45%	7.32%

* - See Note 8 to the Financial Statements.

**WICHITA FALLS FIREMEN'S RELIEF
AND RETIREMENT FUND
REQUIRED SUPPLEMENTARY SCHEDULES - UNAUDITED
NOTES TO REQUIRED SUPPLEMENTARY SCHEDULES**

Valuation date: 1/1/2017

Methods and assumptions used to determine contribution rates:

Funding method: Entry age normal actuarial cost method.
Amortization method: Level percent of compensation.
Remaining amortization period: 43.7 years (as of January 1, 2017 Valuation)
Mortality rate: RP-2000 projected to 2024 using scale AA - Sex Distinct
Retirement age: Members are assumed to retire at the later of age 50 or 20 years of service.
Termination rates: See table below.
Disability rates: See table below.

Termination and disability rate table.

Age	Termination rate	Disability rate
25	4.97%	0.111%
35	2.49%	0.152%
45	0.62%	0.335%
55	0.00%	0.858%

Interest rate: 8.00% per year, compounded annually, net of expenses.

Service	Increase
0-4	8.0%
5-14	5.6%
15-19	5.5%
20-24	4.1%
25+	3.7%

Payroll growth: 4.50% per year for amortization of the Unfunded Actuarial Accrued Liability. The assumed payroll growth rate was amended by the prior actuary in conjunction with the January 1, 2015 actuarial valuation.

Marital status: 100% of actives are assumed to be married at time of benefit commencement. Males are assumed to be two years older than their spouses.

Dependent children: Each member is assumed to have two children. The first child is assumed to have been born when the member was age 25. The second child is assumed to be two years younger. It is also assumed that benefits will be paid until each child reaches the age of 20.

Retirement election: Members eligible for the DROP are assumed to elect either straight service retirement benefits or the DROP, whichever is more valuable. Other members are assumed to receive straight service retirement benefits.

Actuarial asset method: All assets are valued at market value with an adjustment made to uniformly spread actuarial investment gains and losses (as measured by actual market value investment return against expected market value investment return) over a five-year period.