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## Human Resources Department

### The Firefighters' Pension System

10th Floor, City Hall  
414 East 12th Street  
Kansas City, Missouri 64106

(816) 513-1928  
Fax: (816) 513-1280

Honorable Mayor  
City Council  
Board of Trustees  
Members of the System

I am pleased to submit, on behalf of your Board of Trustees and staff, the 2018 Annual Report of the Firefighters' Pension System of the City of Kansas City, Missouri. The annual report covers the operations of the Pension System for fiscal year ended April 30, 2018. The System's fiscal year 2018 operating results and financial position are presented in conformity with generally accepted accounting principles.

This report is a product of the combined efforts of the Retirement Division staff and advisors functioning under the Board's leadership. The annual report is designed to provide you with complete and reliable information on the management and operations of the System.

The report consists of four sections: The Introductory Section includes a summary of plan provisions, Board information, and System Advisors and Advisory Relationships. The Actuarial Section details the System's funded status, plan liabilities and membership. The Financial Section includes the investment overview, Independent Auditor's Report and historical financial highlights. The Membership Section details pensions awarded and member deaths during the fiscal year. Also included in this section are forms to request information for active and retired members of the System.

The Board of Trustees and staff remain focused on our mission of paying promised benefits and prudently investing trust assets. We are also committed to delivering a high level of customer service to active and retired members of the System. The reports, charts and schedules contained in this publication summarize the results of our efforts for the fiscal year 2018. We trust you will find this annual report helpful in understanding your retirement system.

Very truly yours,

Barbara J. Davis  
Executive Officer

# INTRODUCTORY SECTION

# Board of Trustees

**Timothy J. Dupin**  
Chairman  
Fire Captain  
Term Expires June 30, 2020

**D. Matthew Black**  
Fire Captain  
Term Expires June 30, 2018

**Douglas J. Buehler**  
City Treasurer  
Ex - Officio

**Randall J. Landes**  
Director of Finance  
Ex-Officio

**Gary O'Bannon**  
Director of Human Resources  
Ex - Officio

**Gary A. Reese**  
Fire Chief & Director  
Ex - Officio

**Eric M. Rose**  
Firefighter  
Term Expires June 30, 2019

**Travis S. Williams**  
Field Battalion Chief  
Term Expires June 30, 2019

**Louie Wright**  
Retiree  
Non - Voting

**CITY of KANSAS CITY, MISSOURI  
FIREFIGHTERS' PENSION SYSTEM  
April 30, 2018**

The Board of Trustees is a policy making body and is responsible for the System's proper operation. The System is administered under its guidance and direction, subject to such rules, regulations and directives as adopted.

The Board consists of four *ex-officio* members, four elected members and a retired member. The *ex-officio* members hold office by virtue of their positions with the City. They are the Directors of Fire, Finance and Human Resources and the City Treasurer. The elected Trustees are voted into office from the active membership of the System for three-year terms, with terms of office staggered in one-year increments. As a result, an election is held annually for the expiring term. The retiree member is jointly appointed by Local 42 and Local 3808 of the International Association of Firefighters.

The law firm of Arnold, Newbold, Winter, & Jackson, P. C. serves as the System's legal advisor. The Human Resources Department employs a full-time Executive Officer. The Executive Officer heads the Retirement Division of the City Human Resources Department, serves as Secretary to the Board of Trustees and, with Board approval, contracts for professional services. The City also provides office space and support services through the Human Resources Department and accounting services of the Finance Department. The Board of Trustees conducts monthly business meetings.

**ADVISORY RELATIONSHIPS**

*Custodian & Disbursing Agent*

The Northern Trust Company  
Chicago, IL

*Independent Auditor*

BKD, LLP  
Kansas City, MO

*General Counsel*

Arnold, Newbold, Winter, & Jackson, P. C.  
Kansas City, MO

*Actuarial Consultant*

Cheiron  
Washington, DC

*Investment Consultant*

Asset Consulting Group  
St. Louis, MO

*Proxy Voting Agent*

Marco Consulting Group  
Chicago, IL

*Domestic Equity Advisors*

American Century Investments  
Kansas City, MO

Polen Capital Management, LLC  
Boca Raton, FL

William Blair & Company  
Chicago, IL

Northern Trust Quantitative Advisors, Inc.  
Chicago, IL  
Eagle Capital Management  
New York, NY

*Global Long/Short Equity Advisor*

Rock Creek  
Washington, DC

*Real Estate Advisors*

Principal Global Investors  
Des Moines, IA

J. P. Morgan Asset Management  
New York, NY

*Global Equity Advisor*

Acadian Asset Management  
Boston, MA

*International Equity Advisors*

Mondrian Investment Partners, LTD  
London, United Kingdom

Marathon Asset Management, LLP  
London, United Kingdom

Morgan Stanley International  
New York, NY

*Fixed Income Advisors*

Amundi Pioneer Investments  
Boston, MA

Franklin Templeton  
San Mateo, CA

BlackRock  
San Francisco, CA

Northern Trust Quantitative Advisors, Inc  
Chicago, IL

CITY of KANSAS CITY, MISSOURI  
FIREFIGHTERS' PENSION SYSTEM  
SUMMARY of PLAN PROVISIONS  
April 30, 2018

The following summarizes provisions of the System as amended by City Ordinance through February 2016.

The Kansas City, Missouri Firefighters' Pension System (System) was established July 1, 1953 by Ordinance No. 16643. The System is a contributory defined benefit plan as referenced in Section 414 of the IRS Code. The System's mandate is to provide retirement, survivor and disability benefits. The management of the Fund's investment portfolio facilitates the mandate of the Firefighters' Pension System, with a market value totaling \$540.4 million.

The employee members do not participate in Social Security. Effective March 1, 2001, the benefits provided are not subject to an offset or reduction for Workers' Compensation benefit payments received.

***Contributions:***

Effective May 1, 2014, all members contribute 10.55% of base salary. Contributions are excluded from Missouri and Federal Income Tax under Employer Pick-up Provisions of the IRS Code Section 414(h)(2). The City pays the remaining cost of the System.

The employer contribution rate paid by the City for the fiscal year 2018 was 30.05% of covered payroll as of May 1, 2017.

Effective December 31, 1999, 1% of additional member and 2% of additional employer contributions fund the Firefighters' Health Insurance Subsidy Fund within the Trust.

City contributions are not identifiable by individual and are only received by members as part of a monthly retirement benefit.

***Eligibility:***

Membership is required upon employment for all employees of the Fire Department with firefighting duties who are not simultaneously accumulating pension benefits or creditable service under another pension system. Employees hired prior to April 20, 2014 are Tier 1 members. Employees hired on or after April 20, 2014 are Tier 2 members.

***Voluntary Retirement:***

Tier 1: A member is eligible for voluntary retirement upon completion of 25 years of creditable service, regardless of age.

Tier 2: A member is eligible for voluntary retirement upon completion of 27 years of creditable service, regardless of age.

***Creditable Service:***

Creditable service is used in the calculation of the member's benefit.

CITY of KANSAS CITY, MISSOURI  
FIREFIGHTERS' PENSION SYSTEM  
SUMMARY of PLAN PROVISIONS  
April 30, 2018

Creditable service is the total years and months of service the member has accumulated in the System.

At retirement, a member may elect to convert accrued sick leave or vacation leave to creditable service up to the maximum number of hours allowed for conversion, but not to exceed 25 years of creditable service for Tier 1 members or 27 years of creditable service for Tier 2 members.

The conversion rate is 215 hours to one month of creditable service. Hours converted to creditable service are not payable in cash to the employee upon retirement.

***Portability of Service:***

Members with at least 10 years creditable service may transfer or purchase creditable service from a previous Missouri public employer.

A purchase of service may be requested for any amount of previous service. The member must accept the valuation of service as determined by the System's actuary. The valuation is based upon the member's current salary and age.

The member is responsible for depositing with the System (from previous Pension Plan or member savings) the total value of service credited including employee and employer contributions. After the transfer is finalized, the member's

creditable service with the transferring organization is eliminated.

The value of creditable service purchased will be added to the member's creditable service with this System.

***Benefits:***

The base benefit formula for members of the System is 2.5% of final average compensation multiplied by creditable service. Final average compensation is represented by the highest 24 months of base salary in the 10 years prior to retirement. The maximum benefit is 80% of final average compensation.

A minimum of 25 years creditable service for Tier 1 members and 27 years creditable service for Tier 2 members is required. Retirement benefits are paid according to elections made by the member with spousal approval prior to retirement. The options include the following:

a) The member may withdraw all or a portion of the member's accumulated contributions and interest and receive an actuarially reduced lifetime pension. The surviving spouse's pension benefit and annual cost-of-living adjustment is not reduced by election of this option.

b) The member may elect a 100%, 75% or 66-2/3% surviving spouse option. If one of these options is chosen, the member's base benefit is actuarially reduced, and upon the member's death,

CITY of KANSAS CITY, MISSOURI  
FIREFIGHTERS' PENSION SYSTEM  
SUMMARY of PLAN PROVISIONS  
April 30, 2018

the surviving spouse receives 100%, 75% or 66-2/3% of the member's reduced base benefit. The annual cost-of-living adjustment is not reduced by election of this option.

***Minimum Benefits:***

Effective April 1, 1986, minimum monthly benefits were instituted for voluntary, disability and surviving spouse benefits. The minimum benefit is \$600 for members, calculated prior to any reductions for either withdrawal of contributions or election of an actuarially equivalent surviving spouse annuity, and \$275 for surviving spouses. Any cost-of-living adjustments are calculated based on the original base benefit, without regard to these minimums.

***Disability Retirement:***

Disability is defined as a state or condition that prevents the member from performing the duties of a firefighter for the rest of the member's life. Two doctors approved by the Retirement Board must confirm the disability in writing. Retirement is effective on the first day of the month following Board approval of the disability.

a) **Duty Disability** is a disability directly due to and caused by actual performance of duty as a firefighter. The pension is 62.5% of final average compensation, but not less than 62.5% of the then current maximum salary payable to the rank of a firefighter.

b) **Non-Duty Disability** results from other causes not associated with performance of firefighting duties. No benefit is payable if the disability is caused while engaging in any occupation or performing any work for another employer or in self-employment. The member must be under the age of 65 and have 10 or more years of creditable service. The pension is equal to 25% of the final average compensation plus 2.5% per year of final average compensation for the number of years and months of creditable service in excess of 10 years, not to exceed a maximum monthly pension equal to 80% of the member's final average compensation.

***Cost-of-Living Adjustments:***

An annual adjustment for retirement, disability and survivor benefits shall be paid under these conditions:

Tier 1: A 3% non-compounded cost-of-living adjustment is paid to all System beneficiaries.

Tier 2: A non-compounded, cost-of-living adjustment will be paid to all System beneficiaries following the 27<sup>th</sup> anniversary of the Tier 2 member's employment if the funding ratio of the pension fund, as shown by the System's most recent actuarial report, is equal to or greater than 80%.

The increase will be equal to the percentage increase in the prior 12 months of the final national Consumer

CITY of KANSAS CITY, MISSOURI  
FIREFIGHTERS' PENSION SYSTEM  
SUMMARY of PLAN PROVISIONS  
April 30, 2018

Price Index for All-Urban Consumers published prior to December 31 in advance of the next year's adjustment, but shall not exceed 2.5%.

a) The adjustment shall be applied to the annuity as calculated upon retirement date prior to any reduction for withdrawal and/or election of a joint survivor optional annuity.

b) The adjustment shall be paid on all annuities effective on or before the preceding January 1.

c) The adjustment shall be made on annuity payments dated May 1 and the adjusted annuity shall remain unchanged until the next May 1.

In accordance with previous State law, this provision applies only to pensions with an effective date after June 28, 1970.

Funeral benefits are not subject to this adjustment.

***Health Insurance Subsidy:***

The Board of Trustees annually determines the monthly health insurance subsidy. This subsidy is payable for life to eligible members.

In order to receive a subsidy, retired members must have at least 25 years of creditable service if a Tier 1 member, or 27 years of creditable service if a Tier 2 member, or receive a duty disability annuity.

If a member dies in the line of duty, one subsidy is payable to the member's eligible surviving spouse or eligible surviving children. The 2018 monthly subsidy is \$470.

***Death Benefits:***

The System provides the following benefits upon a member's death:

a) A funeral benefit of \$2,000 is paid to the surviving spouse or named beneficiary.

b) A pension equal to 50% of the accrued pension, but not less than 25% of the member's final average compensation, is payable to the surviving spouse, unless the member elected a 100%, 75% or 66-2/3% surviving spouse option, provided the marriage occurred on or before retirement.

If death is duty related, the surviving spouse's benefit is the member's accrued pension, but not less than 62.5% of the member's final average compensation or 62.5% of the then current maximum salary payable to the rank of a firefighter, whichever is greater.

The surviving spouse's pension of an active member who dies before retirement with at least 25 years of creditable service, Tier 1, or 27 years of creditable service, Tier 2, shall be calculated at the date of death as if the member elected the 100% joint survivor option.

CITY of KANSAS CITY, MISSOURI  
FIREFIGHTERS' PENSION SYSTEM  
SUMMARY of PLAN PROVISIONS  
April 30, 2018

c) A monthly child's allowance of \$100 is payable to each eligible child until age 18. The allowance may continue after age 18 if the child is unmarried and physically or mentally incapacitated from employment.

A child also remains eligible until age 21 if enrolled as a full-time student at an accredited institution of higher learning. In the absence of a surviving spouse, the surviving spouse's pension shall be divided equally and payable to any eligible children.

***Resignation from Service:***

Upon termination of employment, a member with less than 10 years of creditable service must withdraw their accumulated contributions and interest from the System. If the member has less than six years of service, a service charge ranging from 2% of contributions (five years of service) to 10% (less than one year service) is applied.

If a member has 10 or more years of service, the member may elect a deferred pension and waive the option to withdraw their contributions and interest at the time of separation.

In situations of divorce, no Domestic Relations Order (DRO) distributions are paid to the ex-spouse until the member separates employment or retires. Payment is only made if there is an approved DRO on file with the Retirement Division.

***Deferred Annuity:***

Deferred annuities are calculated based upon the standard benefit formula. This equals 2.5% of final average compensation multiplied by years and months of creditable service. The benefit cannot exceed 62.5% of final average compensation.

Deferred annuity benefits begin at age 50.

The member may withdraw their contributions and interest and forfeit the deferred annuity at any time before benefit payments commence.

The member may also accumulate additional creditable service if re-employed by the City's Fire Department with firefighting duties before benefit payments commence.

If the member elects a deferred pension and dies before age 50, the member's contributions and interest are paid to the beneficiary. If death occurs after age 50, survivor benefits are payable, but are prorated based upon actual years of creditable service in relation to 25 years for Tier 1 members or 27 years for Tier 2 members.

# ACTUARIAL SECTION

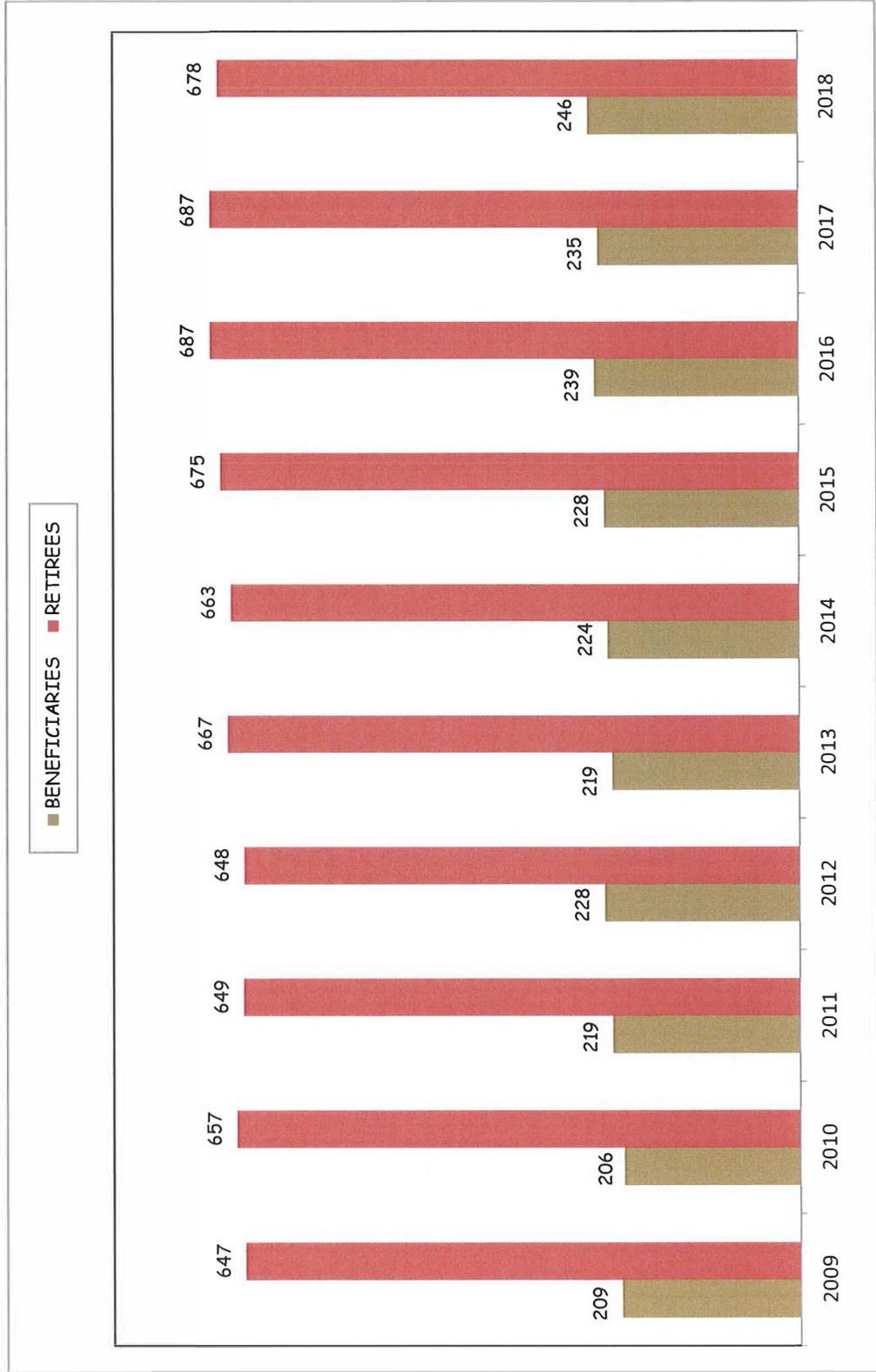
CITY of KANSAS CITY, MISSOURI  
FIREFIGHTERS' PENSION SYSTEM  
ACTUARIAL OVERVIEW  
April 30, 2018

This section summarizes the results of the actuarial valuation of the Firefighters' Pension System of the City of Kansas City, Missouri Trust as of May 1, 2018. The purpose of the valuation is to determine the System's financial condition and the City's required contributions.

The experience over the past year is summarized as follows:

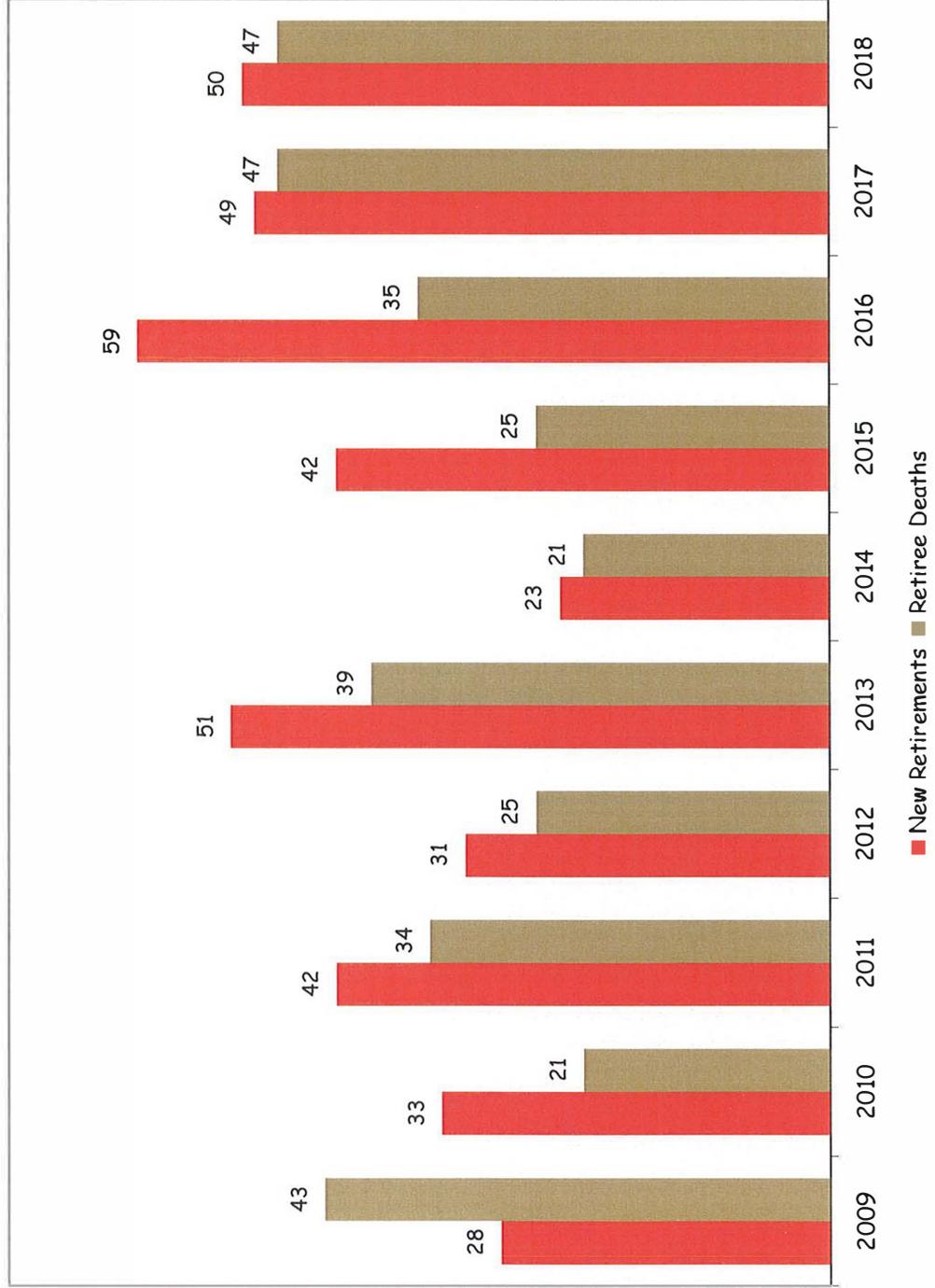
- \* The number of members, who were active as of May 1, 2018, increased from 978 to 981. The average age of members increased from 39.92 to 40.09, the average service increased from 13.74 to 13.92 years and the average annual salaries increased from \$65,943 to \$67,548.
- \* During the past year, 50 new pensions were awarded to 17 voluntary pensions, 7 disability pensions, 1 deferred and 25 widows, QDRO's and children of deceased firefighters. As of May 1, 2018, pensions totaling \$3,394,008 per month were being paid to 678 retired members and 246 beneficiaries. The previous year, pensions totaling \$3,261,223 per month were being paid to 687 retired members and 235 beneficiaries.
- \* City contributions for the fiscal year 2018 totaled \$17.4 million and employee contributions totaled \$7.6 million. Benefit payments totaled \$40.7 million and refunds of employee contributions totaled \$531,748.
- \* The actuarial value of assets increased by \$24 million to \$536 million. The market value of assets increased by \$33.7 million to \$540.4 million.
- \* The Fund achieved a rate of return on the actuarial value of assets of 7.36% for fiscal year 2018. On a market value basis the rate of return was 9.4%.
- \* The System's funded ratio is 70.8% on an actuarial basis.

CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 PROGRESS of PENSIONS IN FORCE  
 April 30, 2018

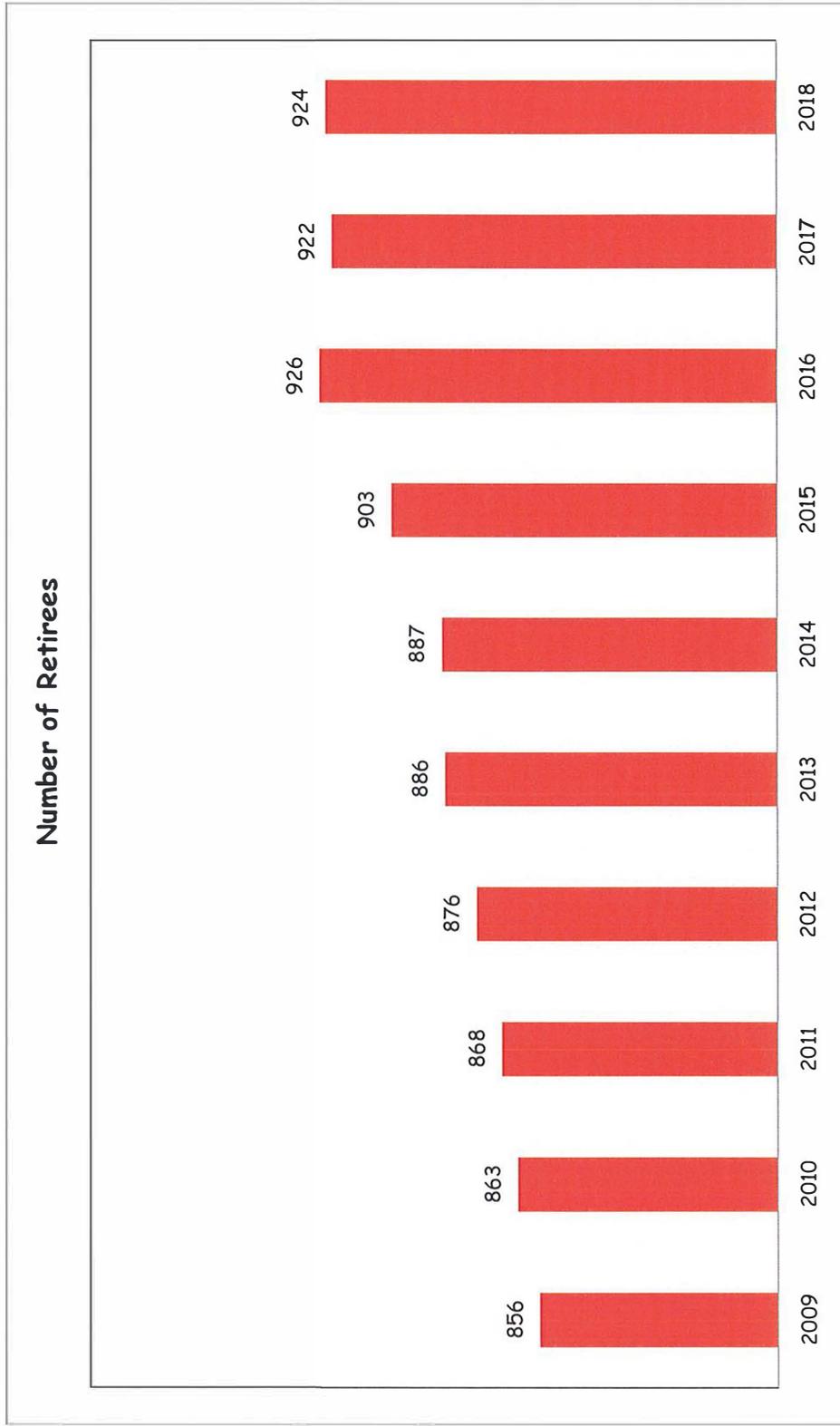


CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 PROGRESS OF PENSION ROLLS  
 April 30, 2018

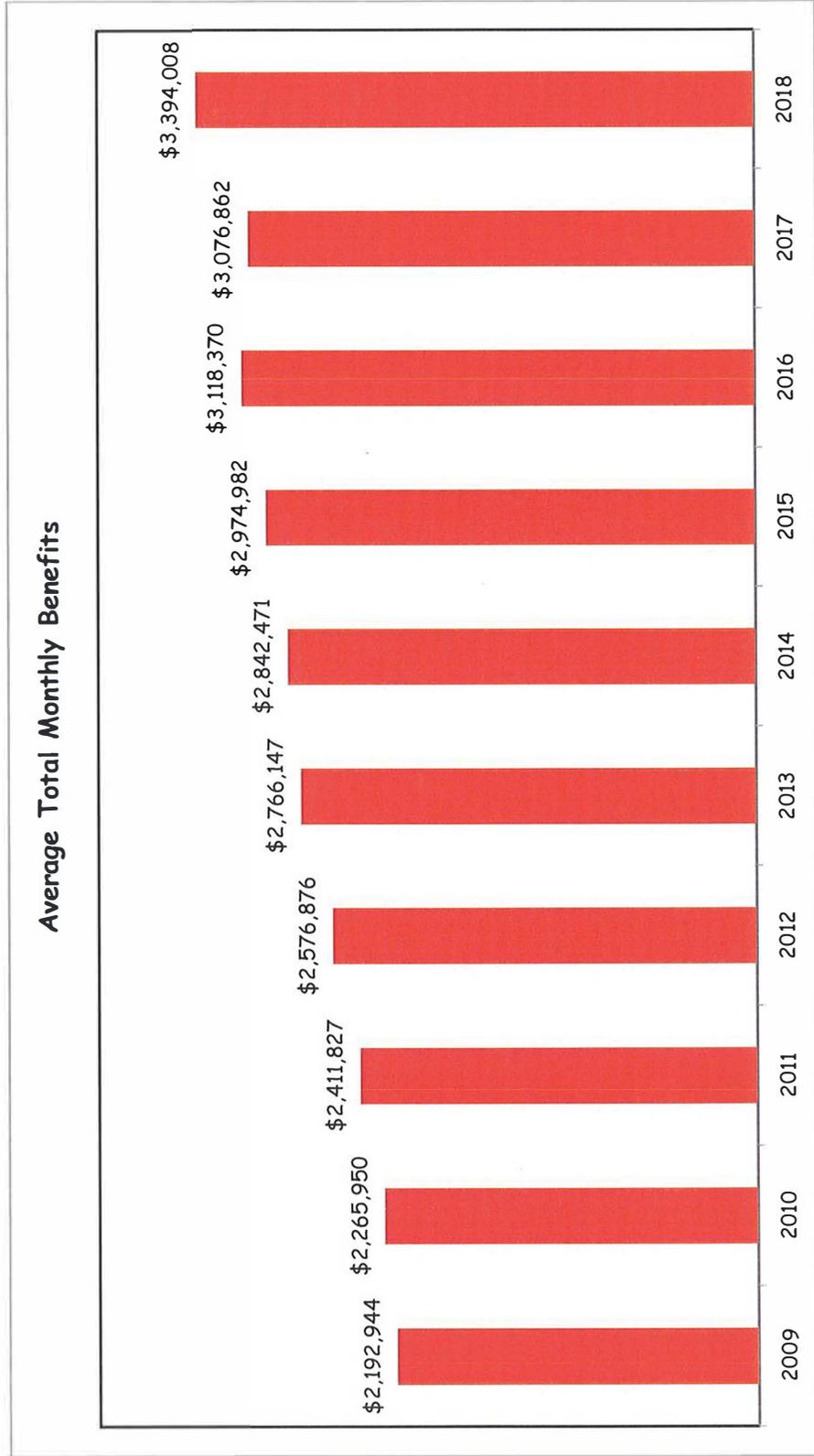
New Retirements vs. Retiree Deaths



CITY of KANSAS CITY, MISSOURI  
FIREFIGHTERS' PENSION SYSTEM  
PROGRESS OF PENSION ROLLS  
April 30, 2018

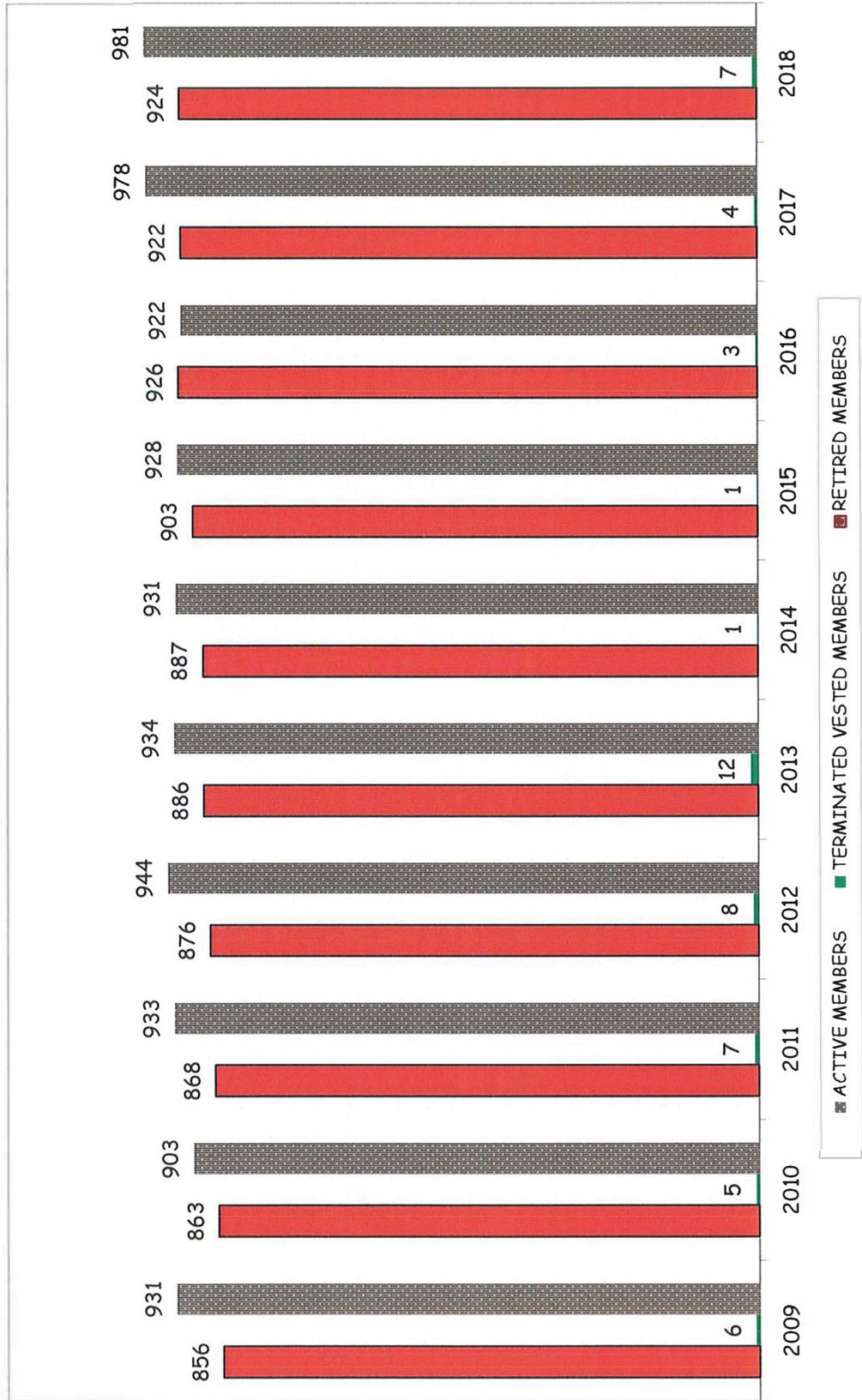


CITY of KANSAS CITY, MISSOURI  
FIREFIGHTERS' PENSION SYSTEM  
PROGRESS OF PENSION ROLLS  
April 30, 2018



CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 PROGRESS of PLAN MEMBERSHIP  
 April 30, 2018

Plan Membership



CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 BENEFIT PROFILE  
 April 30, 2018

Kansas City Firefighters' Pension System Pensions in Payment Status by Type and Monthly Amount as of May 1, 2018					
Monthly Amount	Total	Voluntary	Deferred	Disability	Widows, QDROs & Children
Under \$500	26	0	3	0	23
\$500-1,000	63	1	4	2	56
1,000-1,500	59	3	2	5	49
1,500-2,000	71	17	1	12	41
2,000-2,500	63	23	2	5	33
2,500-3,000	55	34	5	2	14
3,000-3,500	78	62	1	7	8
3,500-4,000	131	100	2	23	6
4,000-4,500	165	113	0	46	6
4,500-5,000	63	55	0	5	3
5,000-5,550	65	61	0	0	4
5,500-6,000	48	45	0	0	3
6,000-6,500	7	6	0	1	0
6,500-7,000	7	7	0	0	0
7,000 & over	23	23	0	0	0
<b>Total</b>	<b>924</b>	<b>550</b>	<b>20</b>	<b>108</b>	<b>246</b>

*During the year ended April 30, 2018, there were 50 new pensions awarded (17 Voluntary, 1 Deferred, 7 Disabled, and 25 Widows, QDROs, and Children)*

CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 ACTIVE MEMBER PROFILE  
 April 30, 2018

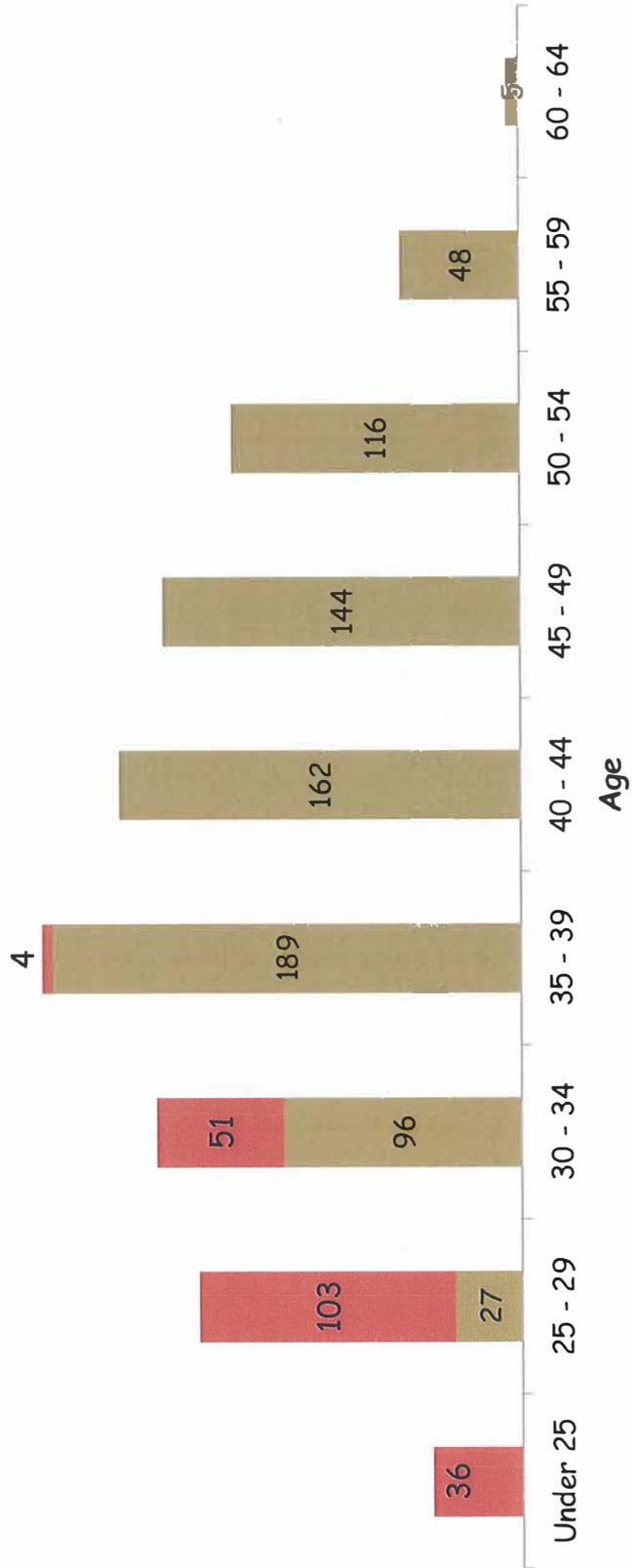
**By Age Group**

Average Age = 39.92

Tier 1 Average Age = 43.06

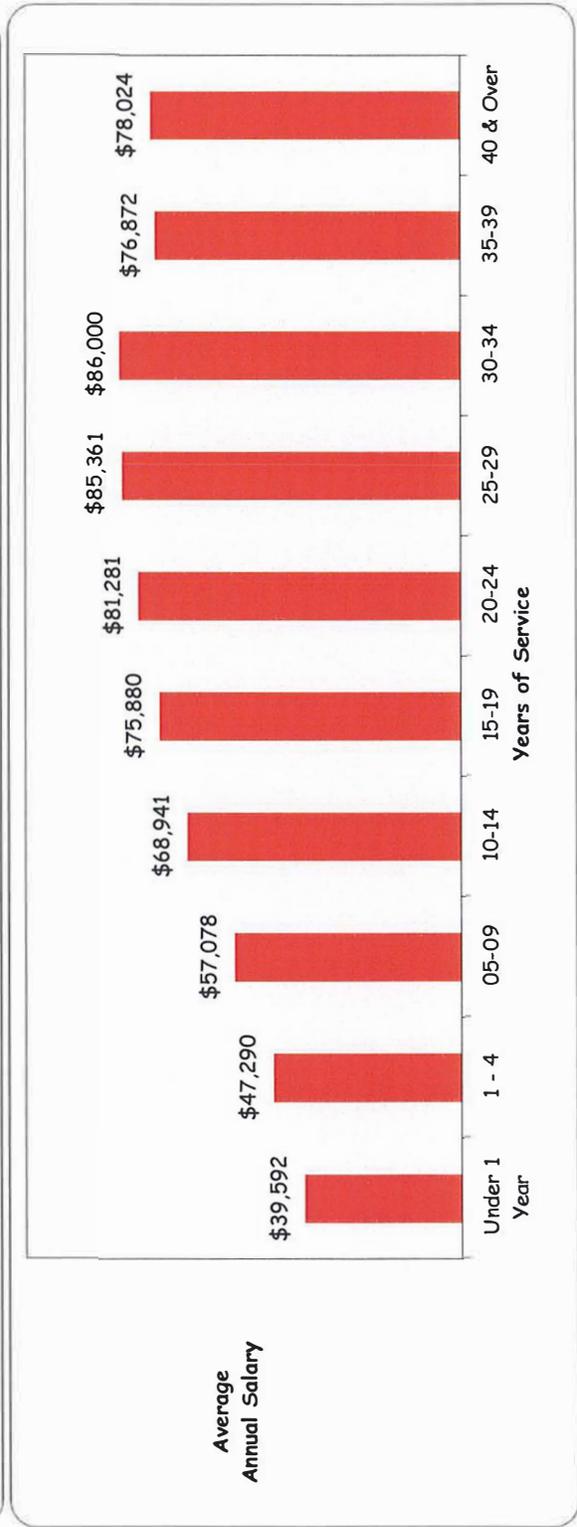
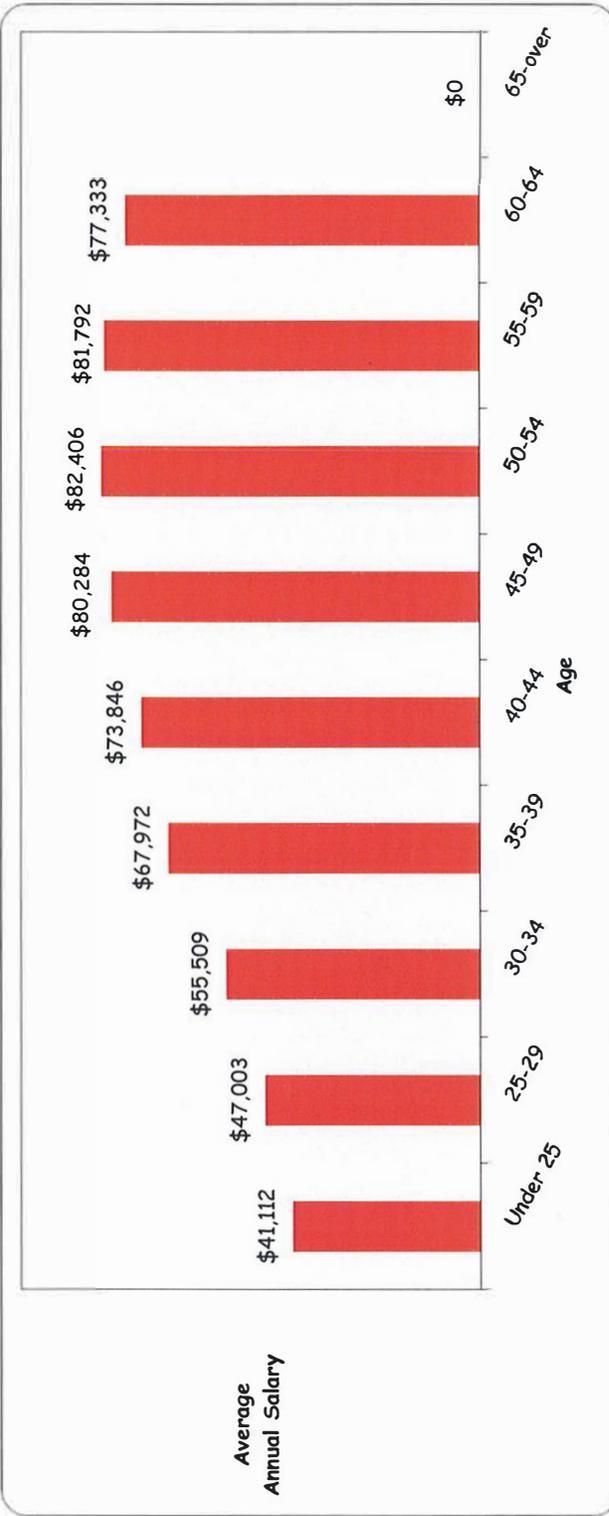
Tier 2 Average Age = 28.06

■ Tier 1 ■ Tier 2



**CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 ACTIVE MEMBER PROFILE**

April 30, 2018



CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 ACTIVE MEMBER PROFILE

April 30, 2018

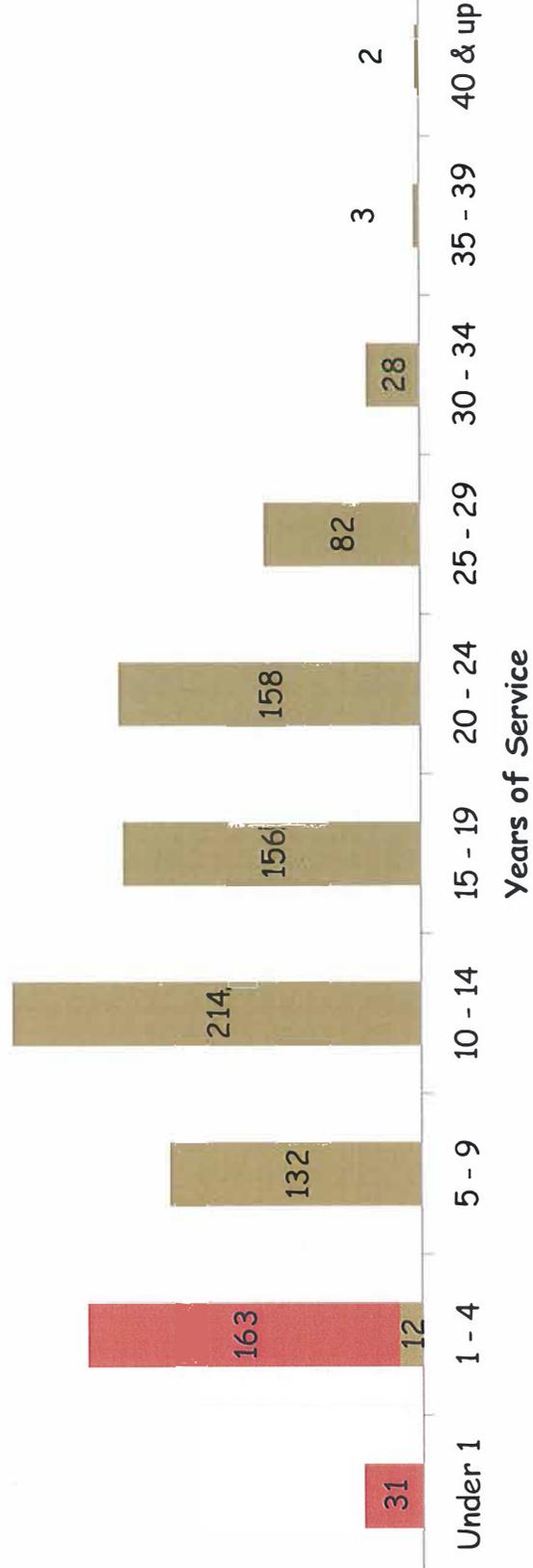
**By Years of Service**

Average YOS = 13.74

Tier 1 Average YOS = 16.88

Tier 2 Average YOS = 1.91

■ Tier 1 ■ Tier 2



# FINANCIAL SECTION

**CITY of KANSAS CITY, MISSOURI**  
**FIREFIGHTERS' PENSION SYSTEM**  
**INVESTMENT OVERVIEW**  
**April 30, 2018**

The investments of the System are based primarily on an investment authority known as the "prudent person rule". The prudent person rule establishes a standard to all fiduciaries which includes anyone that has authority with respect to the System. This standard states that fiduciaries will discharge their duties solely in the interest of fund participants and beneficiaries with the degree of diligence, care and skill which prudent men and women would ordinarily exercise under similar circumstances in a like position.

The prudent person rule permits the fund to establish an investment policy based upon certain investment criteria and allows for the delegation of investment authority to professional investment advisors. The Board's adapted Investment Policy outlines the responsibility for the investment of the fund and the degree of risk that is deemed appropriate for the System. Investment advisors are retained to execute the investment strategy in accordance with Board policy.

The Board of Trustees, with input from staff and consultants, evaluates risk and return factors of potential investment strategies and opportunities and approves appropriate alternatives.

Proper funding and healthy investment returns are very important to the financial soundness of the System. The ratio of investment earnings to total revenue is evidence of the System's solid financial management.

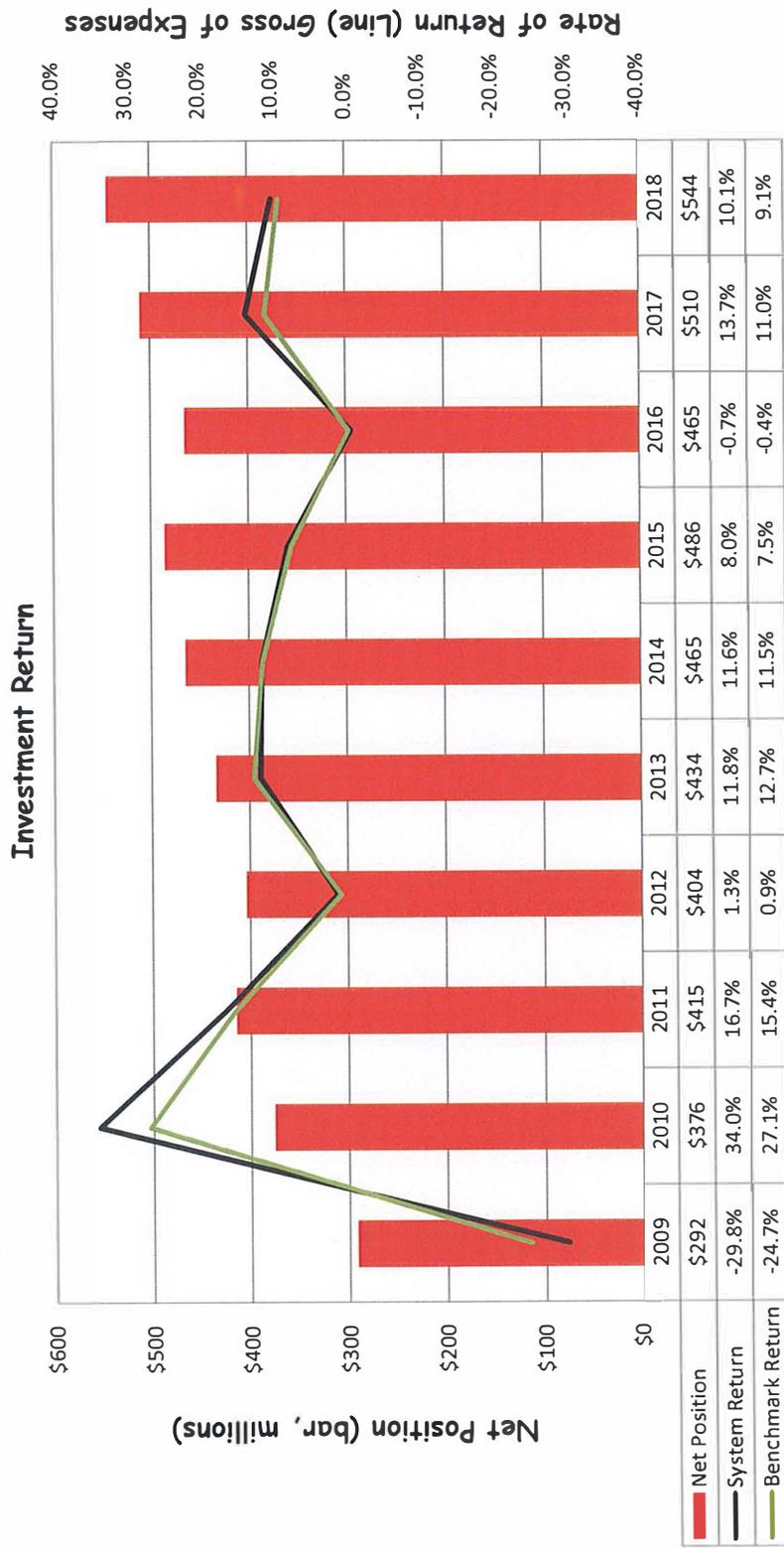
An integral part of the overall investment policy is the strategic asset allocation policy. This allocation mix is designed to provide an optimal mix of asset categories. This emphasizes a maximum diversification of the portfolio that protects the System from declines that a particular asset class may experience in a given period.

Investment decisions are made based on expected return for a given level of risk. The goal is to optimize the return of the portfolio, as opposed to maximizing the rate of return. The optimal portfolio mix is one that carefully equates expected rate of return, with expected risk of all investment categories utilized by the System. In setting the optimal mix of assets for the portfolio, the Board has developed a strategic (long-term) asset allocation policy, which incorporates a diversified mix.

The System invests in traditional assets (domestic stocks, government and corporate bonds, mortgages, and cash) and non-traditional assets (international and global stocks and international bonds). A modest amount of System assets has also been diversified into real estate.

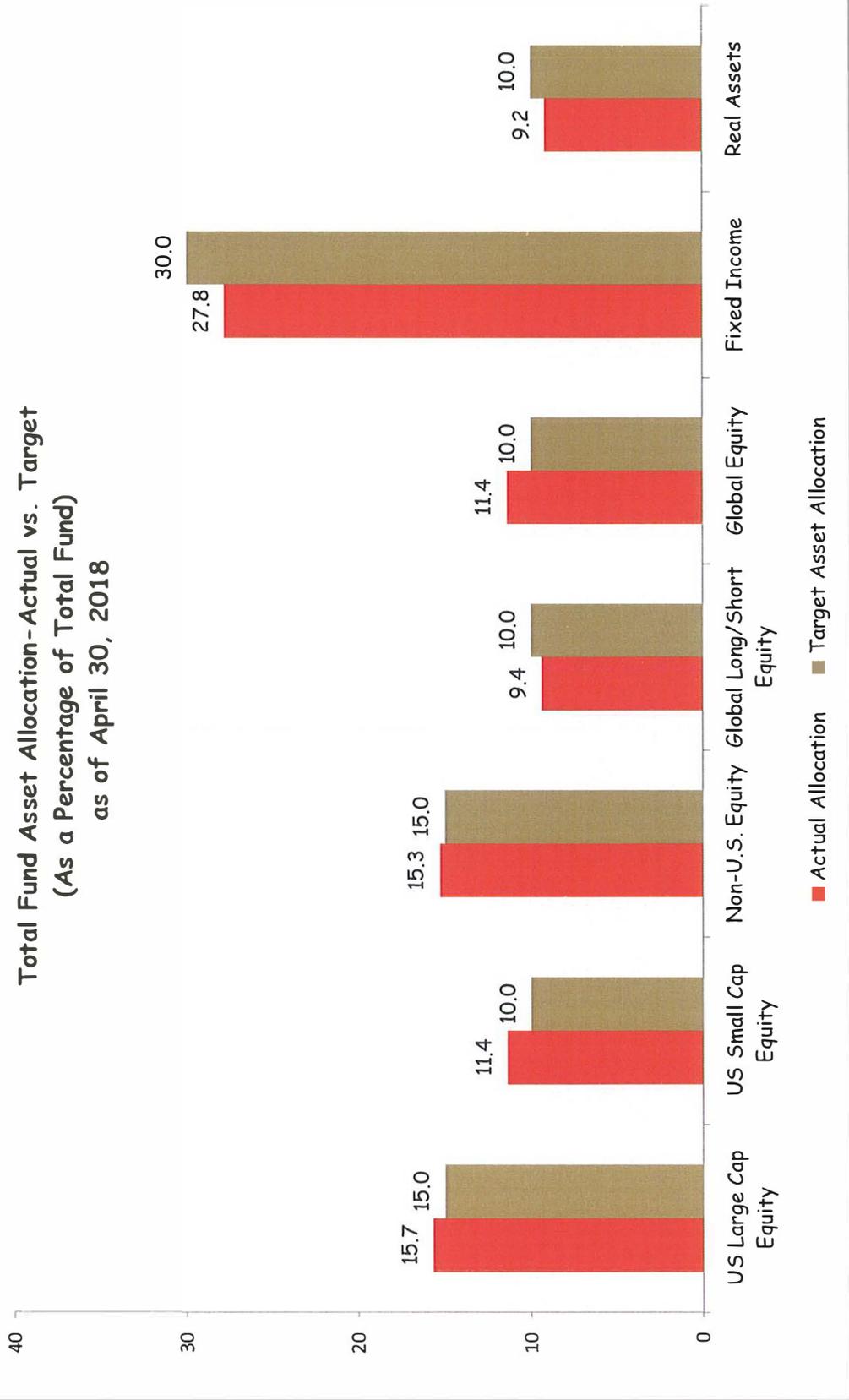
During fiscal 2018 the System remained well diversified.

CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 INVESTMENT RETURN  
 April 30, 2018



CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 ASSET ALLOCATION  
 April 30, 2018

Total Fund Asset Allocation - Actual vs. Target  
 (As a Percentage of Total Fund)  
 as of April 30, 2018



# Investment Summary

Year Ending April 30, 2018

Investment Manager	Date Hired	Investment Class	Portfolio Fair Value As of April 30, 2018	% of Total Fair Value
Cash			\$ 4,886,932.69	0.9%
Northern Trust Company	November 2011	U.S. Equities	\$ 58,514,213.95	10.8%
American Century Investments	November 2004	U.S. Equities	\$ 27,636,825.35	5.1%
Eagle Capital Management	April 2012	U.S. Equities	\$ 12,839,446.28	2.4%
William Blair & Company	June 2011	U.S. Equities	\$ 34,382,300.68	6.3%
Polen Capital	July 2017	U.S. Equities	\$ 13,795,953.10	2.5%
Marathon Asset Management-London	October 2015	Non-U.S. Equities	\$ 46,624,290.62	8.6%
Mondrian Investment Partners	March 2016	Non-U.S. Equities	\$ 14,293,696.80	2.6%
Acadian Asset Management	September 2007	Global Equities	\$ 61,769,746.93	11.4%
Rock Creek	January 2011	Global Long/Short Equities	\$ 51,026,559.87	9.4%
Morgan Stanley	April 1997	Emerging Market Equities	\$ 21,765,807.68	4.0%
Northern Trust Company	March 2008	Fixed Income	\$ 13,969,470.59	2.6%
Amundi Pioneer Investments	February 2014	Fixed Income	\$ 60,261,731.05	11.1%
BlackRock	July 2017	Fixed Income	\$ 40,999,280.71	7.5%
Franklin Templeton	February 2014	Global Fixed Income	\$ 30,829,994.42	5.7%
J.P. Morgan Asset Management	July 2012	Real Estate	\$ 28,938,236.01	5.3%
Principal Global Investors	May 2003	Real Estate	\$ 20,901,384.03	3.8%
<b>Total</b>			<b>\$543,435,870.76</b>	<b>100.0%</b>

## Schedule of Investment Results (Gross of Fees)

Annualized Manager Returns as of April 30, 2018

Investment Manager	Investment Class	One Year	Three Years	Five Years	Ten Years
<b>Eagle Capital Management</b>	<b>U.S. Equities</b>	<b>14.6%</b>	<b>11.1%</b>	<b>13.8%</b>	--
<i>Russell 1000 Value Index</i>		7.5%	7.7%	10.5%	7.3%
<b>Polen Capital Management</b>	<b>U.S. Equities</b>	--	--	--	--
<i>Russell 1000 Growth Index</i>		18.96%	12.84%	15.13%	10.81%
<b>Northern Trust</b>	<b>U.S. Equities</b>	<b>13.2%</b>	<b>10.5%</b>	<b>12.9%</b>	--
<i>S&amp;P 500 Index</i>		13.3%	10.6%	13.0%	9.0%
<b>American Century Investments</b>	<b>U.S. Equities</b>	<b>8.0%</b>	<b>11.3%</b>	<b>12.8%</b>	<b>11.8%</b>
<i>Russell 2000 Value Index</i>		6.5%	9.3%	10.4%	8.5%
<b>William Blair &amp; Company</b>	<b>U.S. Equities</b>	<b>22.2%</b>	<b>13.9%</b>	<b>16.7%</b>	--
<i>Russell 2500 Growth Index</i>		17.1%	9.6%	13.2%	10.5%
<b>Marathon Asset Management</b>	<b>Non-U.S. Equities</b>	<b>13.1%</b>	--	--	--
<i>MSCI EAFE Index</i>		15.1%	5.4%	6.4%	2.9%
<b>Mondrian International Partners</b>	<b>Non-U.S. Equities</b>	<b>16.4%</b>	--	--	--
<i>MSCI World ex U.S. Index</i>		19.3%	10.5%	9.8%	6.1%
<b>Morgan Stanley</b>	<b>Emerging Market Equities</b>	<b>17.4%</b>	<b>6.8%</b>	<b>4.6%</b>	<b>2.3%</b>
<i>MSCI Emerging Markets Index</i>		22.1%	6.4%	5.1%	2.5%
<b>Acadian Asset Management</b>	<b>Global Equities</b>	<b>19.0%</b>	<b>10.0%</b>	<b>11.1%</b>	<b>4.9%</b>
<i>MSCI ACWI Index</i>		14.8%	8.0%	9.4%	5.7%
<b>Rock Creek</b>	<b>Global Long/Short Equities</b>	<b>5.3%</b>	<b>4.0%</b>	<b>6.6%</b>	--
<i>50% MSCI EAFE Index/50% S&amp;P 500 Index</i>		14.2%	8.0%	9.7%	6.0%
<b>Amundi Pioneer Investments</b>	<b>Fixed Income</b>	<b>1.5%</b>	<b>2.7%</b>	--	--
<i>Bloomberg U.S. Aggregate Index</i>		0.1%	1.5%	1.8%	3.9%
<b>Franklin Templeton</b>	<b>Global Fixed Income</b>	<b>2.7%</b>	<b>3.4%</b>	--	--
<i>Bloomberg Multiverse</i>		4.2%	2.5%	1.1%	2.8%
<b>Northern Trust</b>	<b>Fixed Income</b>	<b>-0.3%</b>	<b>1.1%</b>	<b>1.5%</b>	<b>3.5%</b>
<i>Bloomberg U.S. Aggregate Index</i>		-0.3%	1.1%	1.5%	3.6%
<b>Blackrock</b>	<b>Fixed Income</b>	--	--	--	--
<i>U.S. T-Bills 90 day + 3%</i>		4.21%	3.59%	3.37%	3.35%
<i>Bloomberg U.S. Aggregate Index</i>		-0.32%	1.07%	1.47%	3.57%
<b>Principal Global Investors</b>	<b>Real Estate</b>	<b>9.7%</b>	<b>11.0%</b>	<b>12.3%</b>	<b>5.2%</b>
<i>NCREIF ODCE Index</i>		7.1%	9.0%	10.4%	4.2%
<b>J.P. Morgan Asset Management</b>	<b>Real Estate</b>	<b>10.6%</b>	<b>12.8%</b>	<b>14.9%</b>	--
<i>NCREIF ODCE Index</i>		7.1%	9.0%	10.4%	4.2%
<b>Total Fund</b>		<b>10.1%</b>	<b>7.5%</b>	<b>8.4%</b>	<b>6.3%</b>
<i>Policy Index</i>		9.1%	6.4%	7.7%	6.1%

## Independent Auditor's Report

Retirement Board  
City of Kansas City, Missouri  
Firefighters' Pension System  
Kansas City, Missouri

We have audited the accompanying basic financial statements of the City of Kansas City, Missouri Firefighters' Pension System (the Plan), which comprise the statements of fiduciary net position as of April 30, 2018 and 2017, and the related statements of changes in fiduciary net position for the years then ended, and the related notes to the basic 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 audits 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 fiduciary net position of the City of Kansas City, Missouri Firefighters' Pension System as of April 30, 2018 and 2017, and the changes in fiduciary net position for the years then ended in accordance with accounting principles generally accepted in the United States of America.

***Required Supplementary Information***

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis and pension information as listed in the table of contents be presented to supplement the basic financial statements. Such information, although not 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 information 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 audits 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.

*BKD, LLP*

Kansas City, Missouri  
October 3, 2018

**City of Kansas City, Missouri**  
**Firefighters' Pension System**  
**Management's Discussion and Analysis**  
**April 30, 2018 and 2017**

The Firefighters' Pension System of Kansas City, Missouri is the defined benefit retirement plan for firefighters of Kansas City, Missouri. The Firefighters' Pension System was established by City ordinance in 1953 and is administered by the Retirement System Board of Trustees to provide retirement, disability and survivor benefits to its members.

This discussion and analysis of the Firefighters' Pension System's financial statements provides an overview of the Firefighters' Pension System's operations and investment performance during the years ended April 30, 2018 and 2017, with selected comparative information for the fiscal year ended April 30, 2016. Please read it in conjunction with the Firefighters' Pension System's financial statements, which follow this section.

***Overview of the Financial Statements and Accompanying Information***

- The financial statements presented in this report are the Statements of Plan Net Position as of April 30, 2018 and 2017 and the Statements of Changes in Plan Net Position for the years ended April 30, 2018 and 2017. These statements reflect resources available for the payment of benefits as of the year-end, and the sources and uses of those funds during the year.
- The notes to the financial statements are an integral part of the financial statements and provide facts and detailed information to assist the reader in understanding the statements. Information in the notes includes a description of the Plan, a summary of significant accounting policies, the method used to value investments and a summary of investments.
- Required supplementary information presents schedules related to employer contributions and the funding of the Plan.

***2018 and 2017 Summary Comparative Information of Fiduciary Net Position***

	April 30, 2018	April 30, 2017	Amount Change	Percentage Change
Receivables	\$ 2,429,085	\$ 2,242,711	\$ 186,374	8.31%
Investments at fair value	543,435,871	510,118,808	33,317,063	6.53%
Securities lending collateral	30,466,536	28,575,689	1,890,847	6.62%
Total assets	<u>576,331,492</u>	<u>540,937,208</u>	<u>35,394,284</u>	6.54%
Due to broker for purchases of investments	842,447	1,206,479	(364,032)	-30.17%
Administrative and investment expenses payable	966,412	920,389	46,023	5.00%
Securities lending collateral	<u>30,466,536</u>	<u>28,575,689</u>	<u>1,890,847</u>	6.62%
Total liabilities	<u>32,275,395</u>	<u>30,702,557</u>	<u>1,572,838</u>	5.12%
Net Position	<u>\$ 544,056,097</u>	<u>\$ 510,234,651</u>	<u>\$ 33,821,446</u>	6.63%

**City of Kansas City, Missouri**  
**Firefighters' Pension System**  
**Management's Discussion and Analysis**  
**April 30, 2018 and 2017**

**2018 and 2017 Summary Comparative Information of Changes in Fiduciary Net Position**

	<b>April 30, 2018</b>	<b>April 30, 2017</b>	<b>Amount Change</b>	<b>Percentage Change</b>
Member contributions	\$ 7,562,958	\$ 7,150,987	\$ 411,971	5.76%
Employer contributions	20,392,560	19,650,554	742,006	3.78%
Net investment income	47,512,382	58,937,463	(11,425,081)	19.39%
Total additions	<u>75,467,900</u>	<u>85,739,004</u>	<u>(10,271,104)</u>	-11.98%
Benefits paid to members	40,728,098	39,168,674	1,559,424	3.98%
Refunds of contributions	531,748	1,017,015	(485,267)	-47.71%
Administrative expenses	386,608	345,060	41,548	12.04%
Total deductions	<u>41,646,454</u>	<u>40,530,749</u>	<u>1,115,705</u>	2.75%
Net Increase in Net Position	33,821,446	45,208,255	(11,386,809)	-25.19%
Net Position, Beginning of Year	<u>510,234,651</u>	<u>465,026,396</u>	<u>45,208,255</u>	9.72%
Net Position, End of Year	<u>\$ 544,056,097</u>	<u>\$ 510,234,651</u>	<u>\$ 33,821,446</u>	6.63%

**2018 Financial Highlights**

Global financial markets soared during the first three quarters of the year due to U.S. fiscal policy stimulus and expectations of continued global growth. Then in the fourth quarter, volatility was reintroduced in the markets due to expectations of inflation, a repricing of the yield curve and headlines related to global trade negotiations, which somewhat muted the overall positive equity returns and caused slightly negative returns in fixed income. Albeit, the investment portfolio had a strong gross return of 10.1 percent, which compared quite favorably to the 9.1 percent rise in the Policy Portfolio benchmark. All segments of the fund performed relatively well. Non-U.S. equities were the best performing asset class, followed by U.S. equities.

The 6.63 percent rise in plan net position to \$544 million, was largely due to investment income of \$47.5 million. Contributions and benefits grew in ordinary fashion. Administrative expenses rose, primarily due to staffing costs.

**2018 Operational Highlights**

A U.S. equity manager was terminated due to performance issues. A search was conducted and the manager was replaced. In conjunction with this change, the U.S. large-cap equity allocation was restructured to increase the exposure to passive equities and decrease the exposure to active equities.

The fixed income allocation was also restructured to reduce overall risk. An absolute return strategy was added and funded from a reduction to two existing fixed income managers. Ongoing cash needs were met primarily through the sale of appreciating equity securities.

**City of Kansas City, Missouri**  
**Firefighters' Pension System**  
**Management's Discussion and Analysis**  
**April 30, 2018 and 2017**

**2017 and 2016 Summary Comparative Information of Fiduciary Net Position**

	April 30, 2017	April 30, 2016	Amount Change	Percentage Change
Receivables	\$ 2,242,711	\$ 1,899,054	\$ 343,657	18.10%
Investments at fair value	510,118,808	464,917,697	45,201,111	9.72%
Securities lending collateral	28,575,689	31,411,584	(2,835,895)	-9.03%
Total assets	<u>540,937,208</u>	<u>498,228,335</u>	<u>42,708,873</u>	8.57%
Due to broker for purchases of investments	1,206,479	1,017,655	188,824	18.55%
Administrative and investment expenses payable	920,389	772,700	147,689	19.11%
Securities lending collateral	28,575,689	31,411,584	(2,835,895)	-9.03%
Total liabilities	<u>30,702,557</u>	<u>33,201,939</u>	<u>(2,499,382)</u>	-7.53%
Net Position	<u>\$ 510,234,651</u>	<u>\$ 465,026,396</u>	<u>\$ 45,208,255</u>	9.72%

**2017 and 2016 Summary Comparative Information of Changes in Fiduciary Net Position**

	April 30, 2017	April 30, 2016	Amount Change	Percentage Change
Member contributions	\$ 7,150,987	\$ 6,769,093	\$ 381,894	5.64%
Employer contributions	19,650,554	19,270,269	380,285	1.97%
Net investment income (loss)	58,937,463	(7,329,261)	66,266,724	904.14%
Total additions	<u>85,739,004</u>	<u>18,710,101</u>	<u>67,028,903</u>	358.25%
Benefits paid to members	39,168,674	37,448,441	1,720,233	4.59%
Refunds of contributions	1,017,015	1,931,310	(914,295)	-47.34%
Administrative expenses	345,060	300,479	44,581	14.84%
Total deductions	<u>40,530,749</u>	<u>39,680,230</u>	<u>850,519</u>	2.14%
Net Increase (Decrease) in Net Position	45,208,255	(20,970,129)	66,178,384	-315.58%
Net Position, Beginning of Year	<u>465,026,396</u>	<u>485,996,525</u>	<u>(20,970,129)</u>	-4.31%
Net Position, End of Year	<u>\$ 510,234,651</u>	<u>\$ 465,026,396</u>	<u>\$ 45,208,255</u>	9.72%

**City of Kansas City, Missouri  
Firefighters' Pension System  
Management's Discussion and Analysis  
April 30, 2018 and 2017**

***2017 Financial Highlights***

Although fixed income market returns were negligible during the period, prices surged in most equity markets. This paved the way to an investment return of 13.7 percent on a gross-basis, which significantly exceeded the Policy Index benchmark return of 11.0 percent. All segments of the Fund performed relatively well compared to benchmarks. The international and global equity, along with fixed income and real assets segments of the Fund all exceeded performance expectations, while the domestic equity segment, in aggregate, slightly underperformed.

The 9.7 percent rise in plan net position, to \$510 million, was fueled by \$59 million of investment income. Contributions and benefits grew in ordinary fashion. Refunds of contributions decreased, as fewer members withdrew their contributions, while administrative expenses increased, due to increased staffing costs and the fees associated with an actuarial experience study.

***2017 Operational Highlights***

There were no significant changes to the investment structure. Ongoing cash needs were met primarily through the sale of appreciating equity securities.

***Requests for Information***

This financial report is designed to provide members of the City of Kansas City, Missouri Firefighters' Pension System, citizens, investors and creditors of the City of Kansas City, Missouri with a general overview of the Firefighters' Pension System's finances and to demonstrate its accountability for the money it receives. If you have questions about this report or need additional financial information, contact the City of Kansas City Missouri Firefighters' Pension System, City Hall, 414 East 12th Street, 10th Floor, Kansas City, Missouri 64106-2705.

There are no other currently known facts, conditions or decisions that are expected to have a significant effect on the financial position or results of operations of the Plan.

**City of Kansas City, Missouri**  
**Firefighters' Pension System**  
**Statements of Fiduciary Net Position**  
**April 30, 2018 and 2017**

**Assets**

	<u>2018</u>	<u>2017</u>
<b>Investments, at Fair Value</b>		
Short-term investment funds	\$ 6,902,566	\$ 13,771,821
Domestic common stock	83,710,720	101,285,804
Foreign equities	2,701,980	2,079,480
Partnerships	14,293,589	12,378,826
Collective trusts - equities	188,900,580	140,918,863
Collective trusts - fixed income	146,060,263	143,393,924
Collective trusts - hedge funds	51,026,560	48,943,956
Collective trusts - real estate	49,839,613	47,346,134
	<u>543,435,871</u>	<u>510,118,808</u>
<b>Securities Lending Collateral</b>	<u>30,466,536</u>	<u>28,575,689</u>
<b>Receivables</b>		
Contributions	1,214,111	1,001,481
Investment income	165,939	39,165
Due from broker for sales of investments	1,049,035	1,202,065
	<u>2,429,085</u>	<u>2,242,711</u>
<b>Total assets</b>	<u>576,331,492</u>	<u>540,937,208</u>

**Liabilities**

Due to broker for purchases of investments	842,447	1,206,479
Administrative and investment expenses payable	966,412	920,389
Securities lending collateral	30,466,536	28,575,689
	<u>32,275,395</u>	<u>30,702,557</u>
<b>Net Position Restricted for Pensions</b>	540,393,237	506,697,663
<b>Net Position Restricted for Health Care Subsidy</b>	3,662,860	3,536,988
	<u>\$ 544,056,097</u>	<u>\$ 510,234,651</u>

**City of Kansas City, Missouri**  
**Firefighters' Pension System**  
**Statements of Changes in Fiduciary Net Position**  
**Years Ended April 30, 2018 and 2017**

<b>Additions</b>	<b>2018</b>	<b>2017</b>
<b>Investment Income</b>		
Interest income	\$ 1,989,807	\$ 951,880
Dividend income	2,210,573	1,968,536
Net increase in fair value of investments	45,733,786	58,254,989
Less investment expense	<u>(2,501,269)</u>	<u>(2,363,443)</u>
Net investment income	<u>47,432,897</u>	<u>58,811,962</u>
<b>Securities Lending Income</b>		
Securities lending gross income	<u>450,693</u>	<u>313,814</u>
Securities lending expenses		
Borrower fees	(337,244)	(134,651)
Management fees	<u>(33,964)</u>	<u>(53,662)</u>
Total securities lending expenses	<u>(371,208)</u>	<u>(188,313)</u>
Net securities lending income	<u>79,485</u>	<u>125,501</u>
Total net investment income	<u>47,512,382</u>	<u>58,937,463</u>
<b>Contributions</b>		
Contributions from the City of Kansas City, Missouri		
Pension contributions	17,435,993	16,754,798
Health subsidy contributions	1,361,167	1,233,276
Health supplemental contributions	1,595,400	1,662,480
Contributions from members	<u>7,562,958</u>	<u>7,150,987</u>
Total contributions	<u>27,955,518</u>	<u>26,801,541</u>
Total additions	<u>75,467,900</u>	<u>85,739,004</u>
<b>Deductions</b>		
<b>Benefits Paid</b>		
Members	40,648,098	39,134,674
Funeral benefits	<u>80,000</u>	<u>34,000</u>
Total benefits paid	40,728,098	39,168,674
<b>Refunds</b>		
Termination	110,342	41,992
Retirement	421,406	975,023
<b>Administrative Expenses</b>	<u>386,608</u>	<u>345,060</u>
Total deductions	<u>41,646,454</u>	<u>40,530,749</u>
<b>Net Increase in Net Position</b>	33,821,446	45,208,255
<b>Net Position, Beginning of Year</b>	<u>510,234,651</u>	<u>465,026,396</u>
<b>Net Position, End of Year</b>	<u>\$ 544,056,097</u>	<u>\$ 510,234,651</u>

# City of Kansas City, Missouri Firefighters' Pension System

## Notes to Financial Statements

April 30, 2018 and 2017

### Note 1: Summary of Significant Accounting Policies

#### ***Reporting Entity***

The City of Kansas City, Missouri Firefighters' Pension System (the Plan) is a contributory, single-employer, defined benefit pension plan, covering all employees of the Firefighting Division of the City of Kansas City, Missouri (the City). The Plan is considered part of the City's financial reporting entity and is included in the City's comprehensive annual financial report as a pension trust fund. Employees should refer to the plan agreement for more complete information.

#### ***Adoption of New Accounting Standard***

In 2018, the Plan adopted the provisions of GASB Statement No. 82, *Pension Issues – Amendment of GASB Statements No. 67, 68 and 73*. This statement addresses certain issues that have been raised with respect to Statement No. 67, Statement No. 68 and Statement No. 73. Specifically, GASB 82 addresses issues regarding (1) the presentation of payroll-related measures in required supplementary information, (2) the selection of assumptions and the treatment of deviations from the guidance in an Actuarial Standard of Practice for financial reporting purposes and (3) the classification of payments made by employers to satisfy employee (plan member) contribution requirements. Adoption did not have a significant impact on amounts reported or disclosed.

#### ***Basis of Accounting***

The financial statements are prepared on the accrual basis of accounting. Plan member contributions are recognized in the period in which the contributions are due. Employer contributions to the Plan are recognized when due and the employer has made a formal commitment to provide the contributions. Benefits and refunds are recognized when paid in accordance with the terms of each plan.

#### ***Investments***

Investments owned are valued at fair value as follows:

Common stock and foreign equities (A) Listed – closing prices are reported on the composite summary of national securities exchanges or (B) Over-the-counter – bid prices.

Collective trusts, partnerships and short-term investment funds consist primarily of non-marketable investments in various venture capital, corporate finance funds and private partnerships (collectively referred to as "Portfolio Funds"). These funds are primarily invested in a diversified portfolio of equities, fixed income, real estate and alternative or non-traditional investments. These investments are recorded at fair value based on financial data, which is generally at an amount equal to the net asset value per share or the Fund's proportionate interest in the net assets or net equity of the Portfolio Funds as determined by each Portfolio Fund's general partner or investment manager. The estimated value of such investments is subject to uncertainty and, therefore, may differ from the value that would have been used had a market for such investments existed.

# City of Kansas City, Missouri Firefighters' Pension System

## Notes to Financial Statements

April 30, 2018 and 2017

Investment transactions are accounted for on a trade-date basis (date order to buy or sell is executed), and dividend income is recognized on the ex-dividend date. Interest income is recognized on an accrual basis. Realized gains and losses from investments are determined on an average cost basis.

### ***Administrative Expenses***

Plan administrative salary, duplicating, telecommunications and travel expenses are included in the Plan's administrative expenses when incurred. The City provides office space, a portion of administrative and clerical services of the Human Resources Department and accounting services of the Finance Department without any direct charge to the Plan.

### ***Use of Estimates***

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires the plan administrator to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of additions and deductions during the reporting period. Actual results could differ from those estimates.

### **Note 2: Plan Description**

The Plan is established by City ordinances enacted by the City Council. The Plan is administered by the Board of Trustees of the Firefighters' Pension System of Kansas City, Missouri (the "Board"). The Board is composed of nine members, four of which are the Director of the Fire Department, the Director of Human Resources, the Director of Finance and the City Treasurer. One is an appointed retired member and the remaining four are elected by the members of the pension system.

**City of Kansas City, Missouri**  
**Firefighters' Pension System**  
**Notes to Financial Statements**  
**April 30, 2018 and 2017**

At April 30, 2018 and 2017, the Plan's membership consists of the following:

	<b>2018</b>		<b>Total</b>
	<b>Tier I Members</b>	<b>Tier II Members</b>	
Retirees and beneficiaries currently receiving benefits and terminated employees entitled to benefits but not yet receiving them	931	-	931
Current employees			
Vested	643	-	643
Nonvested	144	194	338
Inactive	5	1	6
<b>Total</b>	<b>1,723</b>	<b>195</b>	<b>1,918</b>
	<b>2017</b>		
	<b>Tier I Members</b>	<b>Tier II Members</b>	<b>Total</b>
Retirees and beneficiaries currently receiving benefits and terminated employees entitled to benefits but not yet receiving them	926	-	926
Current employees			
Vested	647	-	647
Nonvested	183	148	331
Inactive	5	1	6
<b>Total</b>	<b>1,761</b>	<b>149</b>	<b>1,910</b>

**Contributions**

Funding is provided by contributions from the Plan's members, the City and earnings on investments. Firefighters contribute 10.55 percent of their base salary and an additional 1 percent to fund the health insurance subsidy. The City's contribution is set by the City Council in conjunction with its approval of the City's annual budget, based on the actuarially determined contribution rate set by the Plan's consulting actuary.

Based upon the May 1, 2016 and 2015 actuarial valuations, the actuary recommended a City contribution rate of 30.05 percent and 28.21 percent, respectively. The Board of Trustees recognized a scheduled City contribution rate of 30.05 percent and 28.21 percent for 2018 and 2017, respectively, based on these valuations. The City Council contributed 2 percent toward the health insurance subsidiary for 2018 and 2017.

**City of Kansas City, Missouri**  
**Firefighters' Pension System**  
**Notes to Financial Statements**  
**April 30, 2018 and 2017**

***Retirement Benefits***

Benefit terms for the Plan are established in the City administrative code and can only be amended by the City Council. The Plan provides retirement, survivor, disability as well as pre-retirement death benefits as noted below:

**Tier I Members**

The Plan provides retirement benefits, for those employees hired before April 20, 2014 (Tier I Members). Members become vested for retirement benefits after 10 years of service. Members who retire with 25 years or more of creditable service are entitled to an annual pension of 2.5 percent of final average compensation multiplied by the number of years of creditable service, subject to a maximum limit of 80 percent of final compensation as defined in the Plan.

If members terminate prior to retirement and before rendering 10 years of service, they forfeit the right to receive the portion of their accumulated plan benefits attributable to City contributions and are refunded their member contributions with interest. Such refunds result in the forfeiture of all other benefits under the Plan and are reduced by a service charge if the terminated employee has less than five years of service.

An automatic annual cost-of-living adjustment of 3.0 percent non-compounded, per year is provided in the Plan. The Plan also provides for a minimum monthly payment of \$600 to all current and future service and disability retirees.

**Tier II Members**

The Plan provides retirement benefits, for those employees hired on or after April 20, 2014 (Tier II Members). Members become vested for retirement benefits after 10 years of service. Members who retire with 27 years or more of creditable service are entitled to an annual pension of 2.5 percent of final average compensation multiplied by the number of years of creditable service, subject to a maximum limit of 80 percent of final compensation as defined in the Plan.

If members terminate prior to retirement and before rendering 10 years of service, they forfeit the right to receive the portion of their accumulated plan benefits attributable to City contributions and are refunded their member contributions with interest. Such refunds result in the forfeiture of all other benefits under the Plan and are reduced by a service charge if the terminated employee has less than five years of service.

An annual cost-of-living adjustment, not to exceed 2.5 percent non-compounded, per year is provided in the Plan if the prior year funding ratio is equal to or greater than 80 percent and will be equal to the percentage increase in the prior 12 months of the final national consumer price index. The Plan also provides for a minimum monthly payment of \$600 to all current and future service and disability retirees.

# City of Kansas City, Missouri Firefighters' Pension System

## Notes to Financial Statements

April 30, 2018 and 2017

### ***Death Benefits***

If an active member dies, the following benefits shall be paid:

A funeral benefit of \$2,000 to the spouse or named beneficiary.

To the member's spouse until death, a pension equal to one-half of the member's accrued pension, but not less than 25 percent of the member's average final compensation. The minimum monthly benefit is \$275 to all spouses. Certain benefit provisions have been established for deaths sustained in the performance of a member's duties, or deaths of active members prior to retirement who have achieved 25 years or more of creditable service.

To the member's children, an allowance of \$100 a month each until the attainment of age 18, unless certain conditions are met whereby benefits may continue.

To the member's designated beneficiary or estate, if there is no surviving spouse or qualifying child, any remaining member contributions and interest.

If a retired member dies, the following benefits shall be paid:

To the member's spouse until death, a retirement benefit equal to one-half of the member's normal retirement benefit.

To the member's designated beneficiary or estate, if there is no surviving spouse, any remaining member contributions and interest.

### ***Disability Benefits***

Disability benefits are available for members and are based on an average final compensation. The Plan provides for a minimum monthly payment of \$600 to all current and future disability retirees.

### ***Health Care Subsidy***

Effective May 1, 1991, the Plan established a subsidy fund (subsidy). The City and active firefighters each contribute 2 percent and 1 percent of salary, respectively. Prior to April 1 of each year, the board of trustees of the Plan establishes the dollar value of the monthly subsidy. The monthly subsidy for the years ended April 30, 2018 and 2017 was \$450.

The subsidy is invested in both fixed income and equity securities and is stated at fair value. Investments totaled \$3,662,860 and \$3,536,988 at April 30, 2018 and 2017, respectively.

The actuarial valuations do not consider the subsidy's fiduciary net position, which at April 30, 2018 and 2017 were \$3,662,860 and \$3,536,988, respectively. According to the City ordinance that established the subsidy, if the fiduciary net position available for the subsidy is zero, the subsidy will no longer be available. For the years ended April 30, 2018 and 2017, City contributions for the subsidy were \$2,956,567 and \$2,895,756, respectively, and employee contributions were \$680,583 and \$616,638, respectively.

# City of Kansas City, Missouri Firefighters' Pension System

Notes to Financial Statements  
April 30, 2018 and 2017

## Note 3: Deposits and Investments

The City administrative code and ordinances passed by the City Council provide that Plan investments may include, but are not limited to, obligations of the U.S. government, state of Missouri and municipal corporations, including school districts, corporate bonds, real estate mortgages and common and preferred stocks. The Plan purchases investments from Securities and Exchange Commission registered securities broker-dealers and banks through its investment managers. Investments in U.S. Treasury obligations are held at the Federal Reserve Bank through the customer account of a financial institution.

### **Investment Policy**

The asset type and classes, target allocation and ranges that have been approved by the Board are shown below. All percentages are based on market values. The Board has authorized Plan staff, with the guidance from the investment consultant, to rebalance the portfolio in accordance with the strategy guidelines below.

Asset Type and Class	Range	Target
Equities		
Large Cap Equity	10% - 20%	15%
Small Cap Equity	5% - 15%	10%
Non-U.S. Equity	10% - 20%	15%
Long/Short Equity	5% - 15%	10%
Global Equity	5% - 15%	10%
Fixed Income	25% - 35%	30%
Real Estate	5% - 15%	10%

### **Securities Lending Transactions**

City ordinances and the Plan's Board policies permit the Plan to use investments of the Plan to enter into securities lending transactions – loans of securities to broker-dealers and other entities for collateral with a simultaneous agreement to return the collateral for the same securities in the future.

The Plan has contracted with Northern Trust as its third-party lending agent to lend domestic equity and debt securities for cash collateral of not less than 102 percent of the market value and international debt and equity securities of not less than 105 percent of the market value. At April 30, 2018 and 2017, management believes the Plan has no credit risk exposure to borrowers because the amounts the Plan owes the borrowers exceed the amounts the borrowers owe the Plan. Contracts with the lending agent require it to indemnify the Plan if borrowers fail to return the securities, if the collateral is inadequate to replace the securities lent or if the borrowers fail to pay the Plan for income distributions by the securities' issuers while the securities are on loan; therefore, non-cash collateral is not recorded as an asset or liability on the financial statements.

# City of Kansas City, Missouri Firefighters' Pension System

## Notes to Financial Statements

April 30, 2018 and 2017

	2018	2017
Market value of securities loaned	\$ 29,650,278	\$ 27,764,427
Market value of cash collateral received from borrowers	\$ 30,466,536	\$ 28,575,689

All securities loans can be terminated on demand by either the Plan or the borrower. The cash collateral received on each security loan was invested, in accordance with the Plan investment guidelines, in short-term funds. The maturities of the resulting investments generally match the maturities of the securities lending arrangements themselves. The Plan is not permitted to pledge or sell collateral received unless the borrower defaults.

### ***Custodial Credit Risk***

Custodial credit risk is the risk that, in the event of the failure of the counterparty, the Plan will not be able to recover the value of its investments or collateral securities that are in the possession of an outside party. Consistent with the Plan's securities lending policy, \$29,650,278 and \$27,764,427 at April 30, 2018 and 2017, respectively, was held by the counterparty that was acting as the Plan's agent in securities lending transactions.

### ***Investment Concentrations***

The following presents investments that represent 5 percent or more of the fiduciary net position of the Plan, as of April 30, 2018:

<b>Investment</b>	<b>Fair Value</b>
Northern Trust Collective Funds	\$ 72,481,834
Acadian Global Equity Fd	61,769,650
Pioneer Multi-Sector Fixed Income	60,261,731
Rock Creek Georgetown LTD CL	51,026,560
Marathon-London International Fund	46,852,545
Blackrock Strategic Income	40,999,281
Franklin Templeton Global Multisectorplus Trust Fund	30,829,994
JPMCB Special Situation Property Fund	28,938,229

# City of Kansas City, Missouri Firefighters' Pension System

## Notes to Financial Statements April 30, 2018 and 2017

The following presents investments that represent 5 percent or more of the fiduciary net position of the Plan, as of April 30, 2017:

<b>Investment</b>	<b>Fair Value</b>
Pioneer Multi-Sector Fixed Income	\$ 65,292,770
Franklin Templeton Global Multisectorplus Trust Fund	64,093,349
Acadian Global Equity Fd	54,963,829
Rock Creek Georgetown LTD CL	48,943,957
Marathon-London International Fund	41,573,845
Northern Trust Collective Funds	39,695,872
JPMCB Special Situation Property Fund	27,214,188

### **Credit Risk**

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations to the Plan. As of April 30, 2018 and 2017, the Plan's fixed income assets that are not government guaranteed represented 100 percent of the fixed income portfolio. The Plan has not established a policy with regard to credit risk. The following tables summarize the Plan's fixed income portfolio exposure levels and credit qualities at April 30, 2018 and 2017:

### **Average Credit Quality and Exposure Levels of Nongovernment Guaranteed Securities**

<b>Fixed Income Security Type</b>	<b>Fair Value April 30, 2018</b>	<b>Percentage of all Fixed Income Assets</b>	<b>Weighted Average Credit Quality</b>
Money market funds	\$ 6,902,566	5%	Not rated
Collective trusts - fixed income	146,060,263	95%	Not rated
	<u>\$ 152,962,829</u>	<u>100%</u>	

**City of Kansas City, Missouri**  
**Firefighters' Pension System**

**Notes to Financial Statements**

**April 30, 2018 and 2017**

<b>Fixed Income Security Type</b>	<b>Fair Value April 30, 2017</b>	<b>Percentage of all Fixed Income Assets</b>	<b>Weighted Average Credit Quality</b>
Money market funds	\$ 13,771,821	9%	Not rated
Collective trusts - fixed income	143,393,924	91%	Not rated
	<u>\$ 157,165,745</u>	<u>100%</u>	

Each portfolio is managed in accordance with operational guidelines that are specific as to permissible credit quality ranges, exposure levels within individual quality tiers and the average credit quality of the overall portfolios.

***Interest Rate Risk***

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. The Plan has not established a policy with regard to interest rate risk. The Plan actually owns an interest in the underlying assets of the collective trusts and the money market funds and the unit values are based on the fair value of their underlying assets.

***Effective Duration of Fixed Income Assets by Security Type at April 30, 2018***

<b>Fixed Income Security Type</b>	<b>Fair Value April 30, 2018</b>	<b>Percentage of all Fixed Income Assets</b>	<b>Weighted Average Effective Duration (Years)</b>
Money market funds**	\$ 6,902,566	5%	**
Collective trusts - fixed income	146,060,263	95%	13.23
	<u>\$ 152,962,829</u>	<u>100.0%</u>	

**City of Kansas City, Missouri**  
**Firefighters' Pension System**

Notes to Financial Statements  
April 30, 2018 and 2017

***Effective Duration of Fixed Income Assets by Security Type at April 30, 2017***

<b>Fixed Income Security Type</b>	<b>Fair Value April 30, 2017</b>	<b>Percentage of all Fixed Income Assets</b>	<b>Weighted Average Effective Duration (Years)</b>
Money market funds**	\$ 13,771,821	9%	**
Collective trusts - fixed income	143,393,924	91%	4.57
	<u>\$ 157,165,745</u>	<u>100.0%</u>	

\*\*The Plan actually owns an interest in the underlying assets of the money market funds and the unit values are based on the fair value of their underlying assets. The money market funds do not have a maturity date, even though their underlying assets do have maturity dates of less than one year.

***Foreign Currency Risk***

Foreign currency risk is the risk that changes in exchange rates will adversely impact the fair value of an investment. The Plan's currency risk exposure, or exchange rate risk, primarily reside within the Plan's foreign debt obligations and foreign equity holdings through the Plan's various asset managers. The Plan's policy for each specific portfolio does not place limits on the amount of foreign exposure that can be held by the individual asset managers.

***Annual Money-Weighted Rate of Return***

For the years ended April 30, 2018 and 2017, the annual money-weighted rate of return on the pension plan investments, net of pension plan investment expense, was 9.53 percent and 12.89 percent, respectively. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

# City of Kansas City, Missouri Firefighters' Pension System

Notes to Financial Statements  
April 30, 2018 and 2017

## Note 4: Net Pension Liability

The components of the net pension liability of the City at April 30, were as follows:

	2018	2017
Total pension liability	\$ 756,871,994	\$ 719,980,737
Plan fiduciary net position	(540,393,237)	(506,697,663)
City's net pension liability	\$ 216,478,757	\$ 213,283,074
Fiduciary net position as a % of total pension liability	71.40%	70.38%

## Note 5: Actuarial Methods and Assumptions

An actuary from Cheiron determines the total pension liability. The total pension liability as of April 30, 2018 and 2017 was determined based on an actuarial valuation prepared as of May 1, 2017 and 2016, respectively, rolled forward one year, using the following actuarial assumptions:

Inflation	2.5% per annum
Projected salary increases, including inflation	3.0% to 8.0% per annum, depending on age
Long-term investment rate of return, net of plan investment expenses, including inflation	7.25% per annum
Mortality Tables:	
Healthy	RP-2000 Combined Mortality Table Set forward one year
Disabled	RP-2000 Combined Mortality Table Set forward three years

The actuarial assumptions used in the May 1, 2017 and 2016 valuations were based on the results of the most recent actuarial expense study for the period of May 1, 2011 to April 30, 2016. The actuarial experience study is dated February 9, 2017.

For purposes of calculating the total pension liability, future ad hoc COLAs of 3.0 percent (simple COLA) were assumed to be granted in all future years, for Tier I Members. For Tier II Members, COLA will only be payable if the prior year's funding ratio is greater than or equal to 80 percent and will be equal to the percentage increase in the consumer price index, up to a maximum of 2.50 percent, payable at the 27<sup>th</sup> anniversary date of hire.

# City of Kansas City, Missouri Firefighters' Pension System

## Notes to Financial Statements April 30, 2018 and 2017

### ***Long-Term Expected Real Rate of Return***

The long-term expected rate of return on pension plan investments 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 by adding expected inflation. Best-estimates arithmetic real rates of return for each major asset class included in the Plan's target asset allocation as of April 30, 2018 and 2017 are summarized in the following table:

<u>Asset Class</u>	<u>April 30, 2018</u>		<u>April 30, 2017</u>	
	Target Allocation	Long-Term Expected Real Rate of Return	Target Allocation	Long-Term Expected Real Rate of Return
Large Cap Equity	15%	8.51%	15%	8.49%
Small Cap Equity	10%	9.77%	10%	9.72%
Non - U.S. Equity	15%	9.71%	15%	9.67%
Long/Short Equity	10%	7.25%	10%	8.24%
Global Equity	10%	9.28%	10%	9.25%
Fixed Income	30%	5.23%	30%	4.21%
Real Estate	10%	7.51%	10%	7.51%

### ***Discount Rate***

The discount rate used to measure the total pension liability was 7.25 percent as of April 30, 2018 and 2017. In the professional judgment of the Plan's actuary, the funding policy of the Plan will result in the pension plan's projected Fiduciary Net Position being greater than or equal to the benefit payments projected for each future period. Therefore, the long-term expected rate of return was applied to all periods of projected benefit payments.

# City of Kansas City, Missouri Firefighters' Pension System

**Notes to Financial Statements**  
**April 30, 2018 and 2017**

## ***Sensitivity Analysis***

The following sensitivity analysis presents the net pension liability of the City, calculated using the discount rate as well as what the City's net pension liability would be if it were calculated using a discount rate that is one percentage point lower or one percentage point higher than the current rate as of April 30, 2018 and 2017:

	<b>2018</b>		
	<b>1% Decrease (6.25%)</b>	<b>Current Discount Rate (7.25%)</b>	<b>1% Increase (8.25%)</b>
Total pension liability	\$ 857,446,344	\$ 756,871,994	\$ 674,002,538
Fiduciary net position	(540,393,237)	(540,393,237)	(540,393,237)
Net pension liability	<u>\$ 317,053,107</u>	<u>\$ 216,478,757</u>	<u>\$ 133,609,301</u>
	<b>2017</b>		
	<b>1% Decrease (6.25%)</b>	<b>Current Discount Rate (7.25%)</b>	<b>1% Increase (8.25%)</b>
Total pension liability	\$ 815,011,904	\$ 719,980,737	\$ 641,314,547
Fiduciary net position	(506,697,663)	(506,697,663)	(506,697,663)
Net pension liability	<u>\$ 308,314,241</u>	<u>\$ 213,283,074</u>	<u>\$ 134,616,884</u>

## **Note 6: 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 values of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the statements of fiduciary net position.

Plan contributions are made and the total pension liability are reported based on certain assumptions pertaining to interest rates, inflation rates and employee demographics, all of which are subject to change. Due to uncertainties inherent in the estimation and assumption process, it is at least reasonably possible that changes in these estimates and assumptions in the near term would be material to the financial statements.

# City of Kansas City, Missouri Firefighters' Pension System

## Notes to Financial Statements

April 30, 2018 and 2017

### Note 7: Fair Value Measurements

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Fair value measurements must maximize the use of observable inputs and minimize the use of unobservable inputs. There is a hierarchy of three levels of inputs that may be used to measure fair value:

- Level 1** Quoted prices in active markets for identical assets or liabilities
- Level 2** Observable inputs other than Level 1 prices, such as quoted prices for similar assets or liabilities; quoted prices in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities
- Level 3** Unobservable inputs supported by little or no market activity and are significant to the fair value of the assets or liabilities

### Recurring Measurements

The following tables present the fair value measurements of assets and liabilities recognized in the accompanying financial statements measured at fair value on a recurring basis and the level within the fair value hierarchy in which the fair value measurements fall at April 30, 2018 and 2017:

	Total Fair Value	April 30, 2018		
		Level 1	Level 2	Level 3
<b>Investments by fair value level</b>				
Domestic common stock	\$ 83,710,720	\$ 83,710,720	\$ -	\$ -
Foreign common stock	2,701,980	2,701,980	-	-
Collective trusts - equity	58,512,577	-	58,512,577	-
Collective trusts - fixed income	13,969,257	-	13,969,257	-
Short-term investment funds	6,902,566	6,902,566	-	-
Total investments	165,797,100	\$ 93,315,266	\$ 72,481,834	\$ -
<b>Investments measured at the net asset value (NAV) (A)</b>				
Collective trusts - fixed income	132,091,006			
Collective trusts - equity	130,388,003			
Partnerships	14,293,589			
Collective trusts - real estate	49,839,613			
Collective trusts - hedge funds	51,026,560			
Total investments measured at the NAV	377,638,771			
Total investments measured at fair value	\$ 543,435,871			

# City of Kansas City, Missouri Firefighters' Pension System

## Notes to Financial Statements April 30, 2018 and 2017

	Total Fair Value	April 30, 2017		
		Level 1	Level 2	Level 3
<b>Investments by fair value level</b>				
Domestic common stock	\$ 101,285,804	\$ 101,285,804	\$ -	\$ -
Foreign common stock	2,079,480	2,079,480	-	-
Collective trusts - equity	25,688,068	-	25,688,068	-
Collective trusts - fixed income	14,007,805	-	14,007,805	-
Short-term investment funds	13,771,821	13,771,821	-	-
	156,832,978	\$ 117,137,105	\$ 39,695,873	\$ -
<b>Investments measured at the net asset value (NAV) (A)</b>				
Collective trusts - fixed income	129,386,119			
Collective trusts - equity	115,230,795			
Partnerships	12,378,826			
Collective trusts - real estate	47,346,134			
Collective trusts - hedge funds	48,943,956			
	353,285,830			
Total investments measured at the NAV	353,285,830			
Total investments measured at fair value	\$ 510,118,808			

(A) Certain investments that are measured at fair value using the net asset value per share (or its equivalent) practical expedient have not been classified in the fair value hierarchy. The fair value amounts included above are intended to permit reconciliation of the fair value hierarchy to the amounts presented in the statements of fiduciary net position.

Equity and short-term investment funds classified as Level 1 of the fair value hierarchy are valued using prices quoted in active markets for those securities. Certain collective trusts classified as Level 2 of the fair value hierarchy are valued using third-party pricing services based on market observable information such as market quotes for similar assets, as well as normal market pricing considerations such as duration, interest rates and prepayment assumptions.

The fair value estimates presented herein are based on pertinent information available to management as of April 30, 2018 and 2017. Although management is not aware of any factors that would significantly affect the estimated fair value amounts, such amounts have not been comprehensively revalued for purposes of these financial statements since that date, and current estimates of fair value may differ significantly from the amounts presented herein.

# City of Kansas City, Missouri Firefighters' Pension System

## Notes to Financial Statements

April 30, 2018 and 2017

Where quoted market prices are available in an active market, securities are classified within Level 1 of the valuation hierarchy. If quoted market prices are not available, then fair values are estimated by using quoted prices of securities with similar characteristics or independent asset pricing services and pricing models, the inputs of which are market-based or independently sourced market parameters, including, but not limited to, yield curves, interest rates, volatilities, prepayments, defaults, cumulative loss projections and cash flows. Such securities are classified in Level 2 of the valuation hierarchy. In certain cases where Level 1 or Level 2 inputs are not available, securities are classified within Level 3 of the hierarchy.

The valuation method for investments measured at the net asset value (NAV) per share (or its equivalent) is presented below.

	<u>April 30, 2018</u>			
	<u>Fair Value</u>	<u>Unfunded Commitments</u>	<u>Redemption Frequency (If Currently Eligible)</u>	<u>Redemption Notice Period</u>
Collective trusts - fixed income (A)	\$ 132,091,006	\$ -	Daily	1 Business Day
Collective trusts - equity (B)	130,388,003	-	Daily/Monthly	3-30 Days
Partnerships (C)	14,293,589	-	Monthly	15 Days
Collective trusts - real estate (D)	28,938,229	-	One per Quarter	45 Days Prior to Quarter End
Collective trusts - real estate (D)	20,901,384	-	Daily	1 Business day
Collective trusts - hedge funds (E)	51,026,560	-	Quarterly	90 Days
	<u>\$ 377,638,771</u>			
Total investments measured at the NAV	<u>\$ 377,638,771</u>			

# City of Kansas City, Missouri Firefighters' Pension System

## Notes to Financial Statements

April 30, 2018 and 2017

	April 30, 2017			
	Fair Value	Unfunded Commitments	Redemption Frequency (If Currently Eligible)	Redemption Notice Period
Collective trusts - fixed income (A)	\$ 129,386,119	\$ -	Daily	1 Business Day
Collective trusts - equity (B)	115,230,795	-	Daily/Monthly	3-30 Days
Partnerships (C)	12,378,826	-	Monthly	15 Days
Collective trusts - real estate (D)	27,214,188	-	One per Quarter	45 Days Prior to Quarter End
Collective trusts - real estate (D)	20,131,946	-	Daily	1 Business day
Collective trusts - hedge funds (E)	48,943,956	-	Quarterly	90 Days
	<u>\$ 353,285,830</u>			
Total investments measured at the NAV	<u>\$ 353,285,830</u>			

- (A) This category is a fixed income fund that is traded daily. The fund includes U.S. and Non-U.S. government, securitized and corporate bonds, and currencies across the entire quality spectrum.
- (B) This category includes collective trust funds. Each invests in equity securities both on the national and international markets listed on public market exchanges and are traded daily.
- (C) This category is a limited partnership. Investments are open-ended Global Core/Core Plus infrastructure investments.
- (D) This category is a common collective trust redeemable quarterly with a 45 day and 1 day notice period, respectively. Investments are open-ended U.S. Commercial real estate.
- (E) This category is a limited partnership domiciled in the Cayman Islands. Investments provide exposure to more than 60 “hedge fund risk premiums” across nine broad strategy groups (event driven, convertible arbitrage, equity market neutral, dedicated short bias, long/short equity, emerging markets, global macro, managed futures and fixed income relative value) with a dynamic and disciplined investment process that aims to provide risk-balanced, long-term exposure to the underlying strategies. The result is a high risk-adjusted expected return stream with low correlation to traditional asset classes.

**City of Kansas City, Missouri**  
**Firefighters' Pension System**  
**Required Supplementary Information**  
**Schedule of Changes in the City's Net Pension Liability and Related Ratios**  
**Last Ten Fiscal Years**

	2018	2017	2016	2015
<b>Total pension liability</b>				
Service cost	\$ 15,135,242	\$ 12,886,414	\$ 13,124,510	\$ 13,137,551
Interest on total pension liability	52,444,755	46,425,259	44,922,139	43,442,934
Differences between expected and actual experience	6,556,970	(1,411,774)	(1,569,538)	-
Changes of assumptions	-	73,346,941	-	-
Benefit payments, including member refunds	<u>(37,245,710)</u>	<u>(36,922,344)</u>	<u>(35,808,161)</u>	<u>(34,761,116)</u>
<b>Net change in total pension liability</b>	36,891,257	94,324,496	20,668,950	21,819,369
<b>Total pension liability - beginning</b>	<u>719,980,737</u>	<u>625,656,241</u>	<u>604,987,291</u>	<u>583,167,922</u>
<b>Total pension liability - ending</b>	<u>756,871,994</u>	<u>719,980,737</u>	<u>625,656,241</u>	<u>604,987,291</u>
<b>Fiduciary net position</b>				
Net investment income (loss)	47,009,524	58,651,918	(7,690,067)	32,672,401
City contributions	17,435,993	16,754,798	16,631,844	16,258,533
Member contributions	6,882,375	6,534,349	6,173,154	6,258,482
Benefits paid	(36,713,962)	(35,905,329)	(33,876,851)	(32,536,750)
Refunds of contributions	(531,748)	(1,017,015)	(1,931,310)	(1,956,321)
Administrative expenses	<u>(386,608)</u>	<u>(345,060)</u>	<u>(300,479)</u>	<u>(264,100)</u>
<b>Net change in fiduciary net position</b>	33,695,574	44,673,661	(20,993,709)	20,432,245
<b>Fiduciary net position - beginning</b>	<u>506,697,663</u>	<u>462,024,002</u>	<u>483,017,711</u>	<u>462,585,466</u>
<b>Fiduciary net position - ending</b>	<u>540,393,237</u>	<u>506,697,663</u>	<u>462,024,002</u>	<u>483,017,711</u>
<b>Net pension liability, ending</b>	<u>\$ 216,478,757</u>	<u>\$ 213,283,074</u>	<u>\$ 163,632,239</u>	<u>\$ 121,969,580</u>
<b>Fiduciary net position as a percentage of total pension liability</b>	71.40%	70.38%	73.85%	79.84%
<b>Covered payroll</b>	\$ 64,492,241	\$ 57,625,619	\$ 59,294,555	\$ 59,410,476
<b>Net pension liability as a percentage of covered payroll</b>	335.67%	370.12%	275.97%	205.30%

**Note to schedule:** This schedule is intended to show a 10-year trend. Additional years will be reported as they become available.

**City of Kansas City, Missouri**  
**Firefighters' Pension System**  
**Required Supplementary Information**  
**Schedule of City Contributions**  
**Last Ten Fiscal Years**

	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
Actuarially determined employer contribution	\$ 17,316,499	\$ 16,726,994	\$ 16,581,464	\$ 16,162,139	\$ 16,182,139	\$ 15,400,040	\$ 14,045,886	\$ 12,827,773	\$ 17,123,835	\$ 9,476,409
Actual City contributions	17,435,993	16,754,798	16,631,844	16,258,533	11,795,883	13,120,169	11,603,818	10,297,638	10,465,322	10,319,886
Annual contribution deficiency (excess)	\$ (119,494)	\$ (27,804)	\$ (50,380)	\$ (96,394)	\$ 4,386,256	\$ 2,279,871	\$ 2,442,068	\$ 2,530,135	\$ 6,658,513	\$ (843,477)
Covered payroll	\$ 64,492,241	\$ 57,625,619	\$ 59,294,555	\$ 59,410,476	\$ 58,356,072	\$ 60,062,558	\$ 51,983,293	\$ 51,934,305	\$ 53,612,509	\$ 51,168,515
Actual contributions as a percentage of covered payroll	27.04%	29.08%	28.05%	27.37%	20.21%	21.84%	22.32%	19.83%	19.52%	20.17%

**City of Kansas City, Missouri**  
**Firefighters' Pension System**  
**Required Supplementary Information**  
**Schedule of Investment Returns**  
**Last Ten Fiscal Years**

Fiscal Year Ending April 30	2018	2017	2016	2015	2014
Annual money-weighted rate of return, net of investment expense	9.53%	12.89%	-1.50%	7.19%	10.85%

**Note to schedule:** This schedule is intended to show a 10-year trend. Additional years will be reported as they become available.

**City of Kansas City, Missouri**  
**Firefighters' Pension System**  
**Notes to Required Supplementary Information**  
**April 30, 2018 and 2017**

**Changes of benefit and funding terms** – The following changes to the plan provisions were reflected in the valuation as listed below:

5/01/2016 Valuation

- No changes to benefit or funding terms.

5/01/2015 Valuation

- No changes to benefit or funding terms.

5/01/2014 Valuation

- Effective April 20, 2014, member contribution rates increased by 1.00 percent and Tier II have been added to the Plan.

5/01/2011 Valuation

- According to Ordinance No. 100606, members can now designate at retirement that a qualified domestic partner receive death benefits.

**Changes in actuarial assumptions and methods** – The following changes to the plan provisions were reflected in the valuations as listed below:

5/01/2016 Valuation

- No changes in actuarial assumptions or methods.

5/01/2015 Valuation

- All assumptions have been revised based on the results of the experience study conducted for the period May 1, 2011 to April 30, 2016. These assumptions were incorporated into the GASB 67 disclosures and net pension liability calculation for the Plan's 2017 fiscal year-end which are based on the 4/30/2015 Valuation.
- An administrative expense assumption of .35 percent of payroll was added. Retirement rates added for Tier II.

5/01/2014 Valuation

- The investment return assumption decreased from 7.75 percent to 7.50 percent.

**City of Kansas City, Missouri**  
**Firefighters' Pension System**  
**Notes to Required Supplementary Information (Continued)**  
**April 30, 2018 and 2017**

5/01/2012 Valuation

- An actuarial experience study was conducted and resulted to changes in the following assumptions:
  - Inflation
  - Real wage growth
  - Termination rates
  - Retirement rates
  - Disability rates
  - Duty related disability percentage
  - Spouse age difference
  - Marriage assumption
  - Health mortality
  - Disabled mortality

5/01/2009 Valuation

- The minimum asset corridor, used in the asset smoothing method, changed from 85 percent to 80 percent and the maximum asset corridor changed from 110 percent to 120 percent.
- The Amortization of UAL changed from a 20-year fixed level percent of pay amortization method for changes to the UAL for the years on and after May 1, 2009 to a 30-year fixed level percent of pay amortization method for changes to the UAL for the years on and after May 1, 2009.

5/01/2008 Valuation

- The minimum asset corridor, used in the asset smoothing method, changed from 90 percent to 85 percent.
- The Amortization of UAL changed from a 30-year rolling level percent of pay amortization method to a 30-year fixed level percent of pay amortization of the May 1, 2008 UAL and a 20-year fixed level percent of pay amortization method for changes to the UAL for the years on and after May 1, 2009.
- The investment return assumption was changed from 8.00 percent to 7.75 percent.

**City of Kansas City, Missouri**  
**Firefighters' Pension System**  
**Notes to Required Supplementary Information (Continued)**  
**April 30, 2018 and 2017**

The following actuarial methods and assumptions were used to determine the actuarially determined employer contribution reported in the most recent fiscal year, which was based on the May 1, 2016 actuarial valuation:

Valuation Date	May 1, 2016
Timing	Actuarially determined contribution rates are calculated based on the actuarial valuation one year prior to the beginning of the plan year.

Key Methods and Assumptions Used to Determine Contribution Rates:

Actuarial cost method	Entry Age
Asset valuation method	5-year smoothed market. 80% / 120% corridor around market value.
Amortization method	30-year layered amortization as a level percent of pay for changes to the unfunded actuarial liability on or after 5/1/2008.
Discount rate	7.50%
Amortization growth rate	3.00%
Price inflation	2.50%
Salary increases	Ranges from 8.0% to 3.0%
Cost-of-living adjustments	Tier I: 3.00% simple Tier II: 2.50% simple payable at 27th anniversary of date of hire if the prior year's funding ratio is greater than or equal to 80%
Mortality	Healthy: RP-2000 Combined Mortality Table set forward one year for males and females Disabled: RP-2000 Combined Mortality Table set forward three years for males and females

CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 HISTORICAL REVIEW  
 REVENUES-EXPENSES-NET POSITION  
 April 30, 2018

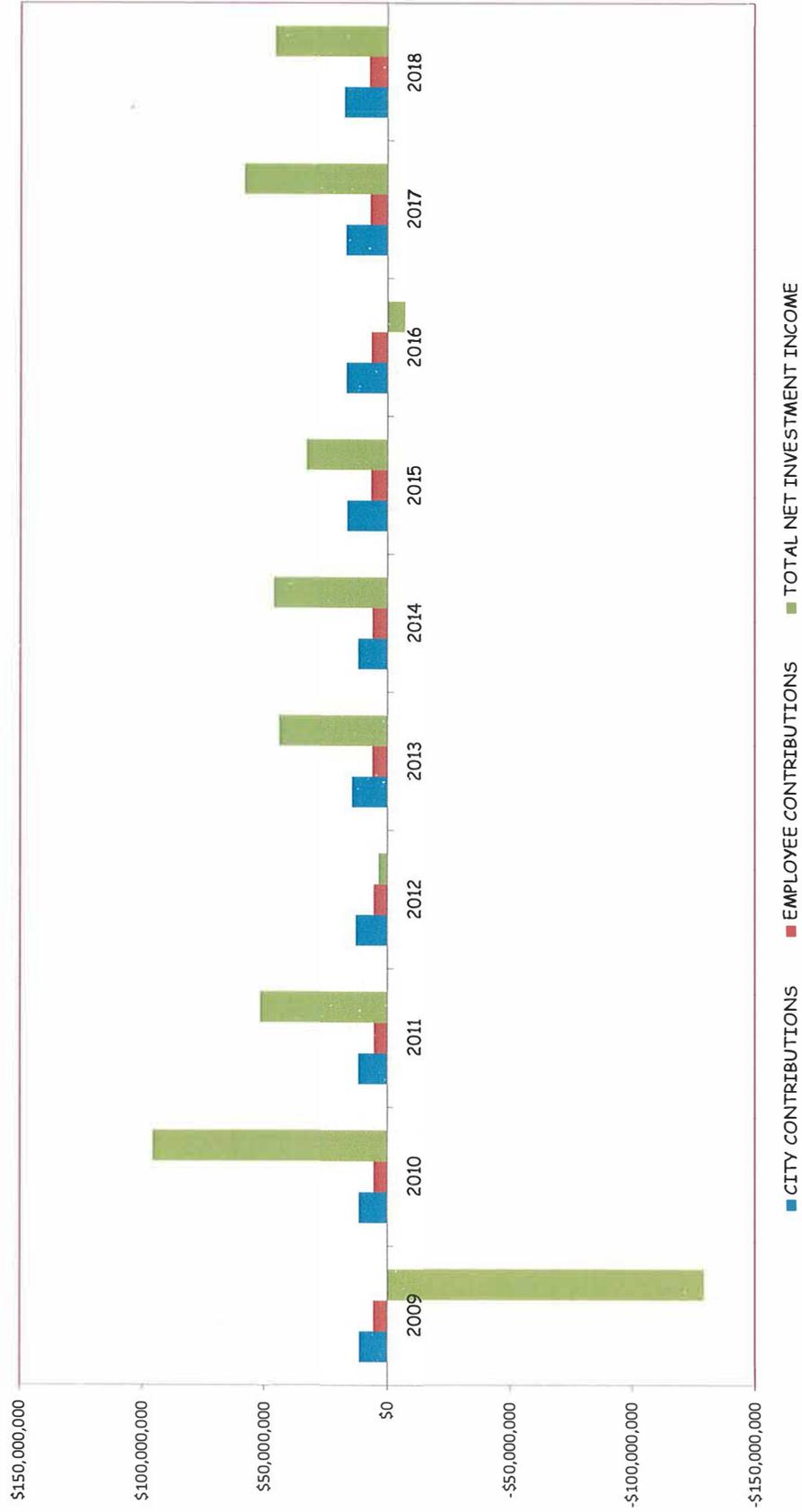
	2018	2017	2016	2015	2014
<b>Revenues by source</b>					
Contributions					
City	\$20,392,560	\$19,650,554	\$19,270,269	\$18,998,552	\$14,526,088
Employees	7,562,958	7,150,987	6,769,093	6,851,791	6,283,355
<b>Total Contributions</b>	<b>27,955,518</b>	<b>26,801,541</b>	<b>26,039,362</b>	<b>25,850,343</b>	<b>20,809,443</b>
Investment Income					
Realized Gain (Loss)	50,013,651	61,300,906	(4,313,126)	35,698,532	48,656,883
Less Investment Expense	(2,501,269)	(2,363,443)	(3,016,135)	(2,848,171)	(2,606,116)
<b>Total Net Investment Income</b>	<b>47,512,382</b>	<b>58,937,463</b>	<b>(7,329,261)</b>	<b>32,850,361</b>	<b>46,050,767</b>
<b>Expenses by Type</b>					
Benefits:					
Annuities	40,648,098	39,134,674	37,420,441	35,680,785	34,109,649
Funeral	80,000	34,000	28,000	19,000	32,000
Refunds:					
Termination	110,342	41,992	136,626	21,215	268,548
Retirement	421,406	975,023	1,794,684	1,935,106	1,155,167
<b>Total Benefits</b>	<b>41,259,846</b>	<b>40,185,689</b>	<b>39,379,751</b>	<b>37,656,106</b>	<b>35,565,364</b>
Administrative Expenses	386,608	345,060	300,479	264,100	221,351
<b>Total Benefits and Expenses</b>	<b>41,646,454</b>	<b>40,530,749</b>	<b>39,680,230</b>	<b>37,920,206</b>	<b>35,786,715</b>
Net Increase/(Decrease) in Net Position	33,821,446	45,208,255	(20,970,129)	20,780,498	31,073,495
<b>Net Position Restricted for Pensions</b>	<b>\$544,056,097</b>	<b>\$510,234,651</b>	<b>\$465,026,396</b>	<b>\$485,996,525</b>	<b>\$465,216,027</b>
<b>Contributions - % of Payroll</b>					
City	30.05%	28.21%	27.91%	27.73%	19.60%
Firefighters	10.55%	10.55%	10.55%	10.55%	9.55%

CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 HISTORICAL REVIEW  
 REVENUES-EXPENSES-NET POSITION  
 April 30, 2018

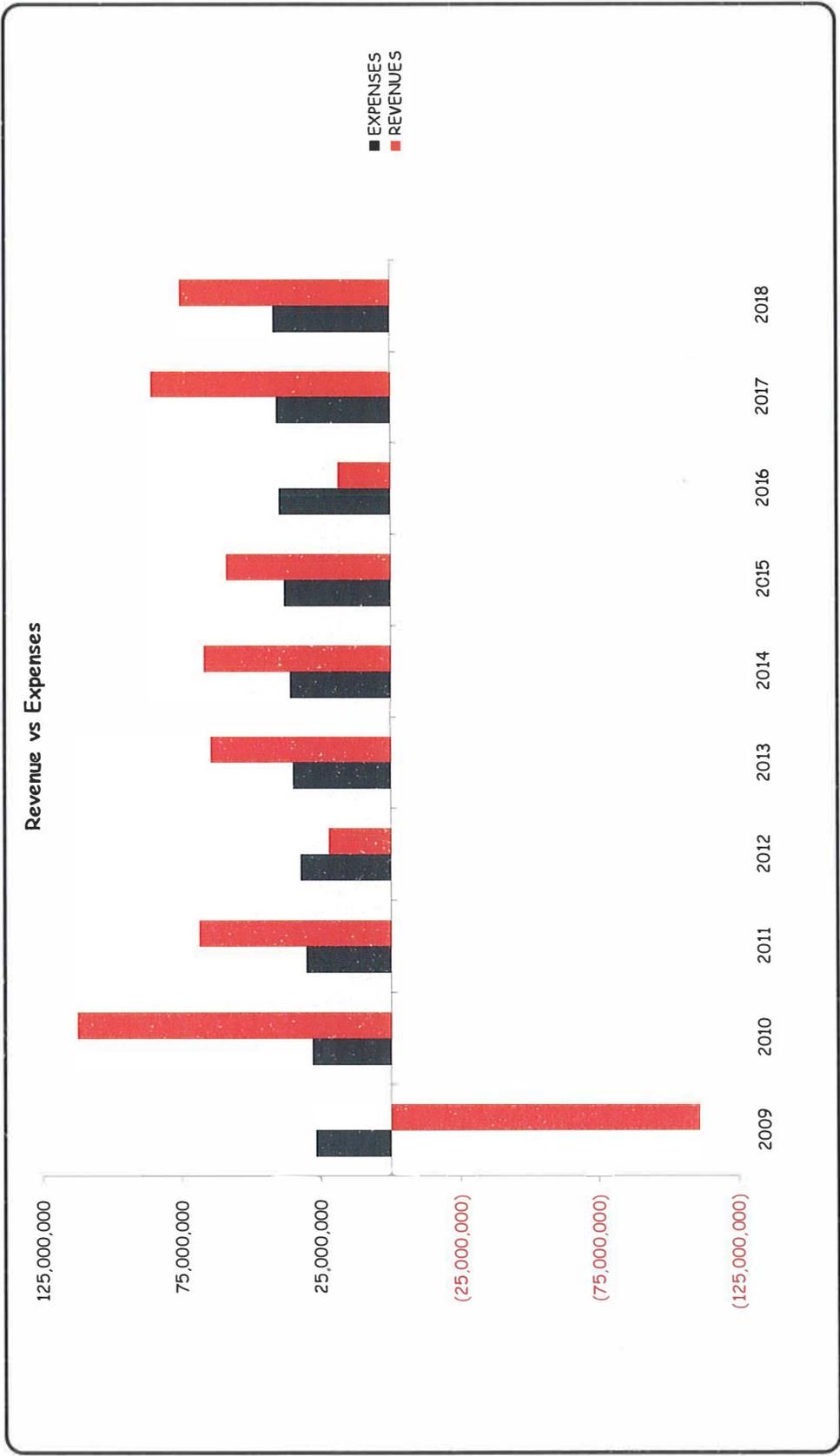
	2013	2012	2011	2010	2009
<b>Revenues by source</b>					
Contributions					
City	\$14,244,943	\$12,748,990	\$11,661,980	\$11,504,477	\$11,366,582
Employees	6,206,339	5,648,528	5,496,669	5,622,465	5,801,697
<b>Total Contributions</b>	<b>20,451,282</b>	<b>18,397,518</b>	<b>17,158,649</b>	<b>17,126,942</b>	<b>17,168,279</b>
Investment Income					
Realized Gain (Loss)	46,137,618	5,552,313	53,483,241	97,440,997	(126,680,346)
Less Investment Expense	(2,116,513)	(1,853,940)	(1,962,768)	(1,881,234)	(1,384,216)
<b>Total Net Investment Income</b>	<b>44,021,105</b>	<b>3,698,373</b>	<b>51,520,473</b>	<b>95,559,763</b>	<b>(128,064,562)</b>
<b>Expenses by Type</b>					
Benefits:					
Annuities	33,193,766	30,888,511	28,941,927	27,191,405	26,315,326
Funeral	39,000	34,000	56,000	20,000	61,000
Refunds:					
Termination	44,567	124,955	250,303	87,204	207,942
Retirement	1,421,776	988,302	854,939	708,361	120,122
<b>Total Benefits</b>	<b>34,699,109</b>	<b>32,035,768</b>	<b>30,103,169</b>	<b>28,006,970</b>	<b>26,704,390</b>
Administrative Expenses	135,984	159,709	109,573	86,363	70,551
<b>Total Benefits and Expenses</b>	<b>34,835,093</b>	<b>32,195,477</b>	<b>30,212,742</b>	<b>28,093,333</b>	<b>26,774,941</b>
Net Increase/(Decrease) in Net Position	29,637,294	(10,099,586)	38,466,380	84,593,372	(137,671,224)
<b>Net Position Restricted for Pensions</b>	<b>\$434,142,532</b>	<b>\$404,505,238</b>	<b>\$414,604,824</b>	<b>\$376,138,444</b>	<b>\$291,545,072</b>
<b>Contributions - % of Payroll</b>					
City	19.60%	19.60%	19.60%	19.60%	19.60%
Firefighters	9.55%	9.55%	9.55%	9.55%	9.55%

CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 FINANCIAL REVIEW  
 April 30, 2018

Revenues By Source



CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 FINANCIAL REVIEW  
 April 30, 2018

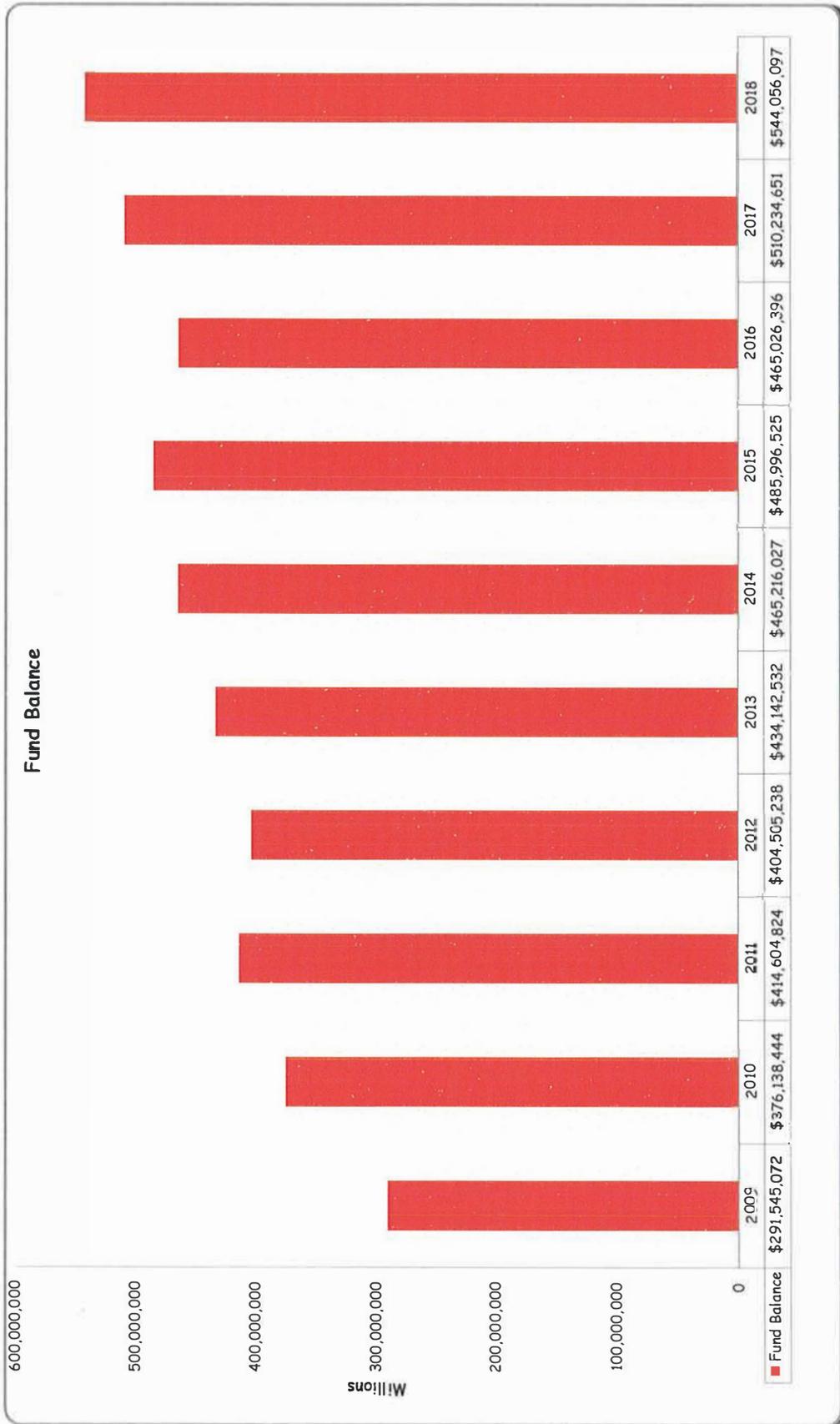


CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 FINANCIAL REVIEW  
 April 30, 2018

ALLOCATION OF EXPENSES

EXPENSES BY TYPE	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
ADMINISTRATIVE EXPENSES	\$ 70,551	\$ 86,363	\$ 109,573	\$ 159,709	\$ 135,984	\$ 221,351	\$ 264,100	\$ 300,479	\$ 345,060	\$ 386,608
REFUNDS OF EMPLOYEE										
CONTRIBUTIONS	\$ 328,064	\$ 795,565	\$ 1,105,242	\$ 1,113,257	\$ 1,466,343	\$ 1,423,715	\$ 1,956,321	\$ 1,931,310	\$ 1,017,015	\$ 531,748
RETIREMENT BENEFITS	\$ 26,376,326	\$ 27,211,405	\$ 28,997,927	\$ 30,922,511	\$ 33,232,766	\$ 34,141,649	\$ 35,699,785	\$ 37,448,441	\$ 39,168,674	\$ 40,728,098
GRAND TOTAL	\$ 26,774,941	\$ 28,093,333	\$ 30,212,742	\$ 32,195,477	\$ 34,835,093	\$ 35,786,715	\$ 37,920,206	\$ 39,680,230	\$ 40,530,749	\$ 41,646,454

CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 FINANCIAL REVIEW  
 April 30, 2018



# MEMBERSHIP SECTION

CITY of KANSAS CITY, MISSOURI  
FIREFIGHTERS' PENSION SYSTEM  
MEMBERSHIP  
April 30, 2018

VOLUNTARY RETIREMENTS

NAME	DATE of RETIREMENT
ACKERSON, TODD A	03/21/2018
BARKLEY, DAMON R	03/31/2018
BERARDI, PAUL J	12/15/2017
WILMOTH, HARVEY J	01/01/2018

VOLUNTARY RETIREMENTS DUE TO DISABILITY

NAME	DATE of RETIREMENT
CAIME, JOHN A	08/18/2017
CASPER, BRIAN S	02/27/2018
HOOK, MICHAEL D	12/23/2017
HUGILL, CLAYTON D	07/22/2017
KING, DANIEL A	12/23/2017
LARKEY, GREGORY T	12/14/2017
LONG, ROBERT D	12/22/2017
MEYER, MARK J	12/23/2017
NEELEY, JOHN F	03/01/2018
PALMER, MICHAEL S	12/18/2017
PEOPLES, FLOYD L	12/30/2017
UNDERHILL, RICKY L	12/22/2017

DUTY DISABILITY RETIREMENTS

NAME	DATE of RETIREMENT
ANDERSON, CHRISTOPHER T	05/01/2017
CASHEN, CHARLES F	04/27/2018
DUNN, LISA M	12/01/2017
FLATHERS, WALTER W	12/01/2017
GARRETT, SR, JASON A	03/01/2018
HARMON, BRETT D	07/01/2017
JAMES, ADAM A	07/01/2017
ORCUTT, JASON B	04/01/2018
SANDERS, ERIC D	09/01/2017

DEFERRED ANNUITY

NAME	DATE of RETIREMENT
KELLER, PAUL K	11/18/2017

CITY of KANSAS CITY, MISSOURI  
 FIREFIGHTERS' PENSION SYSTEM  
 MEMBERSHIP  
 April 30, 2018

IN MEMORIAM  
 ACTIVE DEATHS

Name	Date of Death
CIRCO, MARIANO W	04/15/2018
RHOADS, ROGER D	02/02/2018

IN MEMORIAM  
 ANNUITANTANT DEATHS

NAME	DATE of DEATH
BEAVERS, CARTER	06/12/2017
BERARDI, NICK J	08/15/2017
BONE, HARRY L	07/21/2017
BRANDS, WILLIAM R	08/08/2017
BRATCHER, ELBERT	11/20/2017
BRUNS, DAVID A	02/25/2018
BURTON, RICHARD A	10/27/2017
CARPER, JAY D	12/01/2017
DAVIS, DONALD L	01/03/2018
DEWEY, JAMES	04/05/2018
GALETTI, JOSEPH D	12/24/2017
GENTET, JAMES A	05/22/2017
GREGORY, JAMES F	01/18/2018
GRIMES, CARL J	07/30/2017
HOLLE, THOMAS C	12/25/2017
HOOK, DONALD	05/09/2017
KUHN, LLOYD K	12/16/2017
LAROSE, ROBERT	12/25/2017
LASHBROOK, GERALD D	09/01/2017
LYNCH, THOMAS J	10/22/2017
MARTIN, DALE E	04/10/2018
MAXWELL, STEPHEN L	12/13/2017
PFORTMILLER, BOB	10/10/2017
ROBERTS, ALFRED H	12/23/2017
RUCKER, RICHARD E	10/03/2017
SIMS, LARRY F	08/02/2017
SLATIER, JR, PIERRE R	03/21/2018
SPENCER, JOHN L	07/20/2017

**CITY of KANSAS CITY, MISSOURI  
FIREFIGHTERS' PENSION SYSTEM  
MEMBERSHIP  
April 30, 2018**

STEVENS, LLOYD A	05/22/2017
VANCAMP, ROBERT P	01/27/2018
WILLIAMS, PATRICK B	02/23/2018
WILSON, THOMAS R	02/17/2018
WORDEN, JR., BURL D	02/23/2018
ZENITSKY, HAROLD D	05/11/2017

**SURVIVING SPOUSE ANNUITIES**

<b>NAME</b>	<b>DATE of ANNUITY</b>
BEAVERS, SARAH B	07/01/2017
BERARDI, ANGELA M	09/01/2017
BONE, PEGGY G	08/01/2017
DEWEY, SALLY A	05/01/2018
GALETTI, MARY J	01/01/2018
GREGORY, MARTHA J	02/01/2018
HOLLE, VIRGINIA A	01/01/2018
HOOK, BONNIE A	06/01/2017
KUHN, DOROTHY	01/01/2018
KUHN, DOROTHY E	01/01/2018
LAROSE, ARLENE C	01/01/2018
LASHBROOK, HELEN I	10/01/2017
MARTIN, CAROLINE M	05/01/2017
PFORTMILLER, JANICE A	11/01/2017
RHOADS, ERIN D	03/01/2018
ROBERTS, FUMI	01/01/2018
SIMS, DEANNA S	09/01/2017
VANCAMP, MARJORIE	02/01/2018
WHITEBREAD, VERNILDA E	05/01/2017
WILLIAMS, JENNIFER K	03/01/2018
WILLIAMS, TERRITERRAIN F	05/01/2017
WILSON, ELIZABETH E	03/01/2018
ZENITSKY, BARBARA J	06/01/2017

CITY of KANSAS CITY, MISSOURI  
FIREFIGHTERS' PENSION SYSTEM  
CURRENT EMPLOYEE  
REQUEST for INFORMATION

A. DATE SUBMITTED: \_\_\_\_\_ (Please indicate information you are requesting)

NAME: \_\_\_\_\_ EMLID: \_\_\_\_\_

STATION: \_\_\_\_\_ SHIFT: \_\_\_\_\_ PHONE#: \_\_\_\_\_

\_\_\_\_\_ Check to pick up information in the Retirement Division, 10<sup>th</sup> floor of City Hall.

CHECK EACH CATEGORY of INFORMATION REQUESTED

B. \_\_\_\_\_ Retirement Estimate \_\_\_\_\_ Single \_\_\_\_\_ Married

Employee's Birthdate: \_\_\_\_\_ Spouse's Birthdate: \_\_\_\_\_

Estimated/Actual Retirement Date: \_\_\_\_\_

C. **GENERAL RETIREMENT INFORMATION**

\_\_\_\_\_ Deferred Pension (SEPARATING WITH MORE THAN 10 YEARS of SERVICE)

Scheduled Date of Separation: \_\_\_\_\_ (Complete Section B Also)

\_\_\_\_\_ Actual Retirement (Call 513-1928 to make an appointment at least one month prior to your retirement date. Also, request an estimate of benefits.)

\_\_\_\_\_ Retirement System Overview

\_\_\_\_\_ Current Amount of Employee Contributions

\_\_\_\_\_ Repurchase of Creditable Service (Period to be Repurchased \_\_\_\_\_)

\_\_\_\_\_ Other \_\_\_\_\_

D. \_\_\_\_\_ Refund/Rollover of Employee Contributions

Birthdate: \_\_\_\_\_ Phone #: \_\_\_\_\_

Scheduled Date of Separation: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_

Signature: \_\_\_\_\_

Return this form to: Retirement Division, 414 E. 12<sup>th</sup> Street, 10<sup>th</sup> Floor, Kansas City, MO 64106.  
816.513.1928.

CITY of KANSAS CITY, MISSOURI  
CHANGE of INFORMATION  
FIREFIGHTERS' PENSION SYSTEM  
RETIRED EMPLOYEE  
CHANGE of INFORMATION

DATE SUBMITTED: \_\_\_\_\_ NAME: \_\_\_\_\_  
SSN: \_\_\_\_\_ PHONE: \_\_\_\_\_

CHANGE of ADDRESS and/or PHONE NUMBER

Old Phone #: \_\_\_\_\_ New Phone #: \_\_\_\_\_  
Old Address: \_\_\_\_\_ New Address: \_\_\_\_\_  
\_\_\_\_\_

CHANGE of BENEFICIARY (AT LEAST 18 YEARS OF AGE)

From: \_\_\_\_\_ To: \_\_\_\_\_  
SSN: \_\_\_\_\_ SSN: \_\_\_\_\_  
Address: \_\_\_\_\_ Address: \_\_\_\_\_  
\_\_\_\_\_

CHANGE of INSURANCE COVERAGE

COMPANY: \_\_\_\_\_  
\_\_\_\_\_ Medicare (Enclose Copy of Medicare Card)  
\_\_\_\_\_ Retiree \_\_\_\_\_ Spouse  
\_\_\_\_\_ Cancel Coverage  
\_\_\_\_\_ Retiree \_\_\_\_\_ Spouse \_\_\_\_\_ Dependent  
Effective Date: \_\_\_\_\_

\_\_\_\_\_ Cancel PFIA \_\_\_\_\_ Cancel Union Dues Effective Date \_\_\_\_\_

\_\_\_\_\_ Request for verification of Pension Benefit  
Send to: \_\_\_\_\_  
\_\_\_\_\_

Signature: \_\_\_\_\_

Return this form to: Retirement Division, 414 E. 12<sup>th</sup> Street, 10<sup>th</sup> Floor, Kansas City, MO 64106.  
816.513.1928.