



CITY OF ST. CHARLES, ILLINOIS

FIREFIGHTERS' PENSION FUND

ANNUAL FINANCIAL REPORT

For the Years Ended April 30, 2018 and 2017



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**CITY OF ST. CHARLES, ILLINOIS
FIREFIGHTERS' PENSION FUND
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INDEPENDENT AUDITOR'S REPORT

The Honorable President
Members of the Board of Trustees
Firefighters' Pension Fund
City of St. Charles, Illinois

We have audited the financial statements of the City of St. Charles Firefighters' Pension Fund (the Fund), a fiduciary fund of the City of St. Charles, Illinois (the City) as of April 30, 2018 and 2017 for the years then ended and the related notes to financial statements which collectively comprise the basic financial statements of the Fund as listed in the accompanying 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 audit. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Fund'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 Fund'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 respective financial position of the City of St. Charles Firefighters' Pension Fund, a fiduciary fund of the City of St. Charles, Illinois, as of April 30, 2018 and 2017, and the changes in plan net position for the years then ended, in accordance with accounting principles generally accepted in the United States of America.

Emphasis of Matter

As discussed in Note 1A, these basic financial statements present only the Fund and are not intended to present fairly the financial position and changes in financial position of the City, as of April 30, 2018 and 2017, in accordance with accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis and the required supplementary information listed in the table of contents be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic or historical context. We have applied certain limited procedures to the required supplementary 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 audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Our audits were conducted for the purpose of forming an opinion on the financial statements that comprise the Fund's basic financial statements. The supplementary information is presented for purposes of additional analysis and is not a required part of the basic financial statements. The supplementary information is the responsibility of management and was derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the basic financial statements as a whole.

Sikich LLP

Naperville, Illinois
September 27, 2018

City of St. Charles, Illinois

Firefighters' Pension Fund

Management's Discussion and Analysis

April 30, 2018

This section presents management's discussion and analysis (MD&A) of the St. Charles Firefighters' Pension Fund's financial statements. The MD&A addresses the major factors affecting the operations and investment performance of the fund during the fiscal year ended April 30, 2018 and includes comparative information for the fiscal years ended April 30, 2017 and April 30, 2016.

The St. Charles Firefighters' Pension Fund (the "Fund") is a defined benefit, single-employer public employees' retirement system in accordance with Illinois statutes. It is a pension trust fund of the City of St. Charles, Illinois (the "City"). As of April 30, 2018, the Fund's membership included 47 active vested and nonvested employees, 25 benefit recipients, and 2 inactive plan members not yet receiving benefits.

Overview of Financial Statements and Accompanying Information

This discussion and analysis is intended to serve as an introduction to the Fund's financial reporting which is comprised of the following components:

1. **Basic Financial Statements:** This information presents the plan net position held in trust for pension benefits for the Fund as of April 30, 2018 and April 30, 2017. This financial information also summarizes the changes in plan net position held in trust for pension benefits for the years then ended.
2. **Notes to Basic Financial Statements:** The notes to basic financial statements provide additional information that is essential to achieve a full understanding of the data provided in the basic financial statements.
3. **Required Supplementary Information:** The required supplementary information consists of schedules and related notes concerning actuarial information, employer contributions, and investment returns.
4. **Other Supplementary Information:** This section includes a schedule of changes in plan net position with budget versus actual comparisons.

The Fund implemented Statement No. 67 of the Governmental Accounting Standards Board (GASB), *Financial Reporting for Pension Plans*, for the fiscal year ended April 30, 2016. The new financial reporting standard modified the Fund's notes to the basic financial statements and required supplementary information as well as required the calculation of a total pension liability and a net pension liability.

City of St. Charles, Illinois
Firefighters' Pension Fund
Management's Discussion and Analysis (Continued)

Plan Net Position

The statement of plan net position is presented for the Fund as of April 30, 2018, April 30, 2017, and April 30, 2016. The financial statement reflects the resources available to pay benefits to members, including retirees and beneficiaries, at the end of the years reported. A summary of the Fund's Plan Net Position is presented below:

Condensed Statement of Plan Net Position

	FY 2018	FY 2017	Dollar Change	FY 2016
Cash and Equivalents	\$ 811,476	\$ 894,797	\$ (83,321)	\$ 1,186,947
Investments, at Fair Value	37,475,991	34,881,089	2,594,902	31,693,738
Receivables	67,452	56,837	10,615	60,672
Prepaid Expenses	24,048	23,797	251	21,772
Total Assets	<u>\$ 38,378,967</u>	<u>\$ 35,856,520</u>	<u>\$ 2,522,447</u>	<u>\$ 32,963,129</u>
Liabilities	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Net Plan Position	<u><u>\$ 38,378,967</u></u>	<u><u>\$ 35,856,520</u></u>	<u><u>\$ 2,522,447</u></u>	<u><u>\$ 32,963,129</u></u>

Financial Highlights

The Fund's net position increased \$2.5 million or 7.0% during the fiscal year ended April 30, 2018. The change in net position was due primarily to an increase in investments from \$34.9 million to \$37.5 million. During the fiscal year ended April 30, 2017, the Fund's net position increased \$2.9 million, primarily due to growth in the market value of investments.

The Fund was actuarially funded at 72.7 % as of April 30, 2018, compared to 71.5% as of April 30, 2017 and 74.6% as of April 30, 2016, using the actuarial methodology for funding purposes. Under the new actuarial methodology required for accounting purposes in accordance with GASB Statement No. 67, the Fund was actuarially funded at 70.23% at April 30, 2018, compared to 68.1% at April 30, 2017, and 68.5% at April 30, 2016. The difference in the funded status under these two methodologies is due to the immediate recognition of certain transactions as part of the total pension liability under GASB Statement No. 67 that were deferred and amortized into contributions in the previous guidance (e.g., changes in fair values of investments not meeting the actuarial assumption).

The annual money-weighted rate of return for the fund was 6.73% during FY 2018, net of fees, compared to 8.07% during FY 2017 and -2.90% during FY 2016.

**City of St. Charles, Illinois
Firefighters' Pension Fund
Management's Discussion and Analysis (Continued)**

Funded Ratio

The funded ratio of the plan measures the ratio of net position against actuarially determined liabilities and is one indicator of the fiscal strength of a pension fund's ability to meet obligations to its members. An annual actuarial valuation is required by statute. The most recent available valuation showed that the funded status of the Fund as of April 30, 2018 increased slightly to 72.7% from 71.5% at April 30, 2017 and from 74.6% at April 30, 2016. The employer's net pension liability (NPL), a new measure required by GASB Statement No. 67, is calculated by subtracting the Fiduciary Net Position from the Total Pension Liability. The NPL was \$16.3 million on April 30, 2018 compared with \$16.8 million on April 30, 2017, and \$15.2 million on April 30, 2016. For more information, please refer to the Schedule of Changes in the Employer's Net Pension Liability and Related Ratios included in the Required Supplementary Information section of this report.

As of April 30, 2018, the Fund had 47 active employees, 25 benefit recipients, and two inactive plan members not yet receiving benefits. During fiscal year 2017, the fund had 46 active participants and 24 benefit recipients and two inactive members not yet receiving benefits. The fund had 45 active participants, 23 benefit recipients, and four inactive members not yet receiving benefits for fiscal year 2016.

Investments

The allocation of cash and investment assets for the Fund as of April 30, 2018, April 30, 2017, and April 30, 2016 were as follows:

	<u>FY 2018</u>	<u>FY 2017</u>	<u>FY 2016</u>
Cash and Equivalents	\$ 811,476	\$ 894,797	\$ 1,186,947
Certificates of Deposit	861,844	930,528	1,050,891
Government Securities	7,142,064	5,990,265	5,526,694
Corporate Bonds	4,443,267	4,160,468	3,233,424
Preferred Securities	0	1,166,054	1,514,528
Mutual Funds	15,092,283	10,462,697	10,794,037
Equity Securities	9,936,533	12,171,077	9,574,164
Total	<u>\$ 38,287,467</u>	<u>\$ 35,775,886</u>	<u>\$ 32,880,685</u>

Proper implementation of the Fund's investment policy requires that the performance of the investment portfolio be periodically evaluated and that the portfolio be analyzed to insure compliance with established asset allocation targets and statutory requirements. The Board of Trustees of the Fund evaluates its investment portfolio, in consultation with UBS Financial Services, Inc. on a quarterly basis. As shown above, during FY 2018, the Fund expanded its position in Government Securities and Mutual Funds and reduced its holdings in Equity and Preferred Securities. The changes in the other asset classes were minor.

The changes in the individual asset classes above represent the Board of Trustees' ongoing evaluation of the investment portfolio and market conditions to balance statutory investment requirements, safety of principal, and liquidity needs for benefits payments while maximizing investment return. Adjustments to

City of St. Charles, Illinois
Firefighters' Pension Fund
Management's Discussion and Analysis (Continued)

and rebalancing of the investment portfolio occurs on a quarterly basis in consultation with UBS Financial Services, Inc. and in conjunction with the Fund's Investment Policy Statement at the quarterly Board of Trustees Meeting.

Changes in Plan Net Position

A condensed statement of changes in plan net position for the years ended April 30, 2018, April 30, 2017, and April 30, 2016 is presented below. The financial statement reflects the changes in the resources available to pay benefits to plan participants, including retirees and beneficiaries.

Condensed Statement of Changes in Plan Net Position

	<u>FY 2018</u>	<u>FY 2017</u>	<u>Dollar Change</u>	<u>FY 2016</u>
Additions:				
Employer Contributions	\$ 1,749,113	\$ 1,318,803	\$ 430,310	\$ 1,162,413
Employee Contributions	477,541	460,573	16,968	473,869
Other	0	50	(50)	68
Net Investment Income	<u>1,984,516</u>	<u>2,678,813</u>	<u>(694,297)</u>	<u>(997,908)</u>
Total Additions	<u>4,211,170</u>	<u>4,458,239</u>	<u>(247,069)</u>	<u>638,442</u>
Deductions:				
Pension Benefits & Refunds	\$ 1,674,951	\$ 1,552,815	\$ 122,136	\$ 1,315,059
Administrative Expenses	<u>13,772</u>	<u>12,033</u>	<u>1,739</u>	<u>18,132</u>
Total Deductions	<u>1,688,723</u>	<u>1,564,848</u>	<u>123,875</u>	<u>1,333,191</u>
Net Change in Plan Net Position	<u>\$ 2,522,447</u>	<u>\$ 2,893,391</u>	<u>\$ (370,944)</u>	<u>\$ (694,749)</u>

Additions

Additions to plan net position include employer and employee contributions and net income from investment activities. Employer contributions increased by \$430,310 to \$1.7 million in FY 2018, an increase of about 3.3%. During FY 2017, employer contributions increased by approximately \$156,000. Employer contributions are based on each year's actuarially determined contribution as determined by the City's actuary. The City has a long standing practice of funding 100% of each year's actuarially determined contribution.

Employee contributions reflected in the table above have shown a slight increase over the period. The contributions required of employees are set by state statute as a percentage of pensionable wages. Employee contributions increased in FY 2018 primarily due sworn fire personnel moving to higher salary steps by acquiring greater seniority.

**City of St. Charles, Illinois
Firefighters' Pension Fund
Management's Discussion and Analysis (Continued)**

The fund's net investment income for FY 2018 was a gain of \$2.0 million as compared to a \$2.7 million gain during FY 2017 and a \$1.0 million loss in FY 2016. The change in investment income amounts each year is due primarily to prevailing market conditions.

Deductions

Deductions from plan net position are primarily benefit payments and member contribution refunds. The Fund paid out \$1.7 million in benefits and refunds during FY 2018 as compared with \$1.5 million during FY 2017 and \$1.3 million in FY 2016. The increase is attributed to one additional retiree receiving benefits in FY 2018 coupled with the annual cost of living adjustment. The administrative costs of the Fund represented a nominal 0.81%, 0.77%, and 1.36% of total deductions in 2018, 2017, and 2016 respectively.

Future Outlook

Employer contributions are expected to decrease slightly in FY 2019 and the Fund's funded ratio is expected to rise over the course of the next several years based upon the City's commitment to fully fund the Actuarial Unfunded Liability in accordance with the timelines established in state statute and the City's commitment to make the full actuarially determined contribution each year. It is also anticipated that employee contributions will increase modestly over the next few years consistent with increases in employee salaries. With respect to investment income, the Fund will continue to structure its portfolio with the goal of maximizing returns over the long term within the investment policy guidelines established by the Fund's Board of Trustees and the constraints on allowable investments imposed by state statutes.

Request for Information

This financial report is designed to provide a general overview of Fund finances for interested parties. Questions concerning any information provided in this report or requests for additional financial information should be addressed to Christopher Minick, Trustee, St. Charles Firefighters' Pension Fund, 2 East Main Street, St. Charles, IL 60174.

BASIC FINANCIAL STATEMENTS

CITY OF ST. CHARLES, ILLINOIS

FIREFIGHTERS' PENSION FUND

STATEMENT OF FIDUCIARY NET POSITION

April 30, 2018 and 2017

	2018	2017
ASSETS		
Cash and Cash Equivalents	\$ 811,476	\$ 894,797
Investments, at Fair Value		
Certificates of Deposit	861,844	930,528
U.S. Treasury and U.S. Agency Securities	7,142,064	5,990,265
Corporate Bonds	4,443,267	4,160,468
Preferred Securities	-	1,166,054
Mutual Funds	15,092,283	10,462,697
Equity Securities	9,936,533	12,171,077
Receivables (Net, Where Applicable, of Allowances for Uncollectibles)		
Accrued Interest	67,452	56,837
Prepaid Expenses	24,048	23,797
Total Assets	<u>38,378,967</u>	<u>35,856,520</u>
LIABILITIES		
None	-	-
Total Liabilities	<u>-</u>	<u>-</u>
NET POSITION RESTRICTED FOR PENSION BENEFITS		
	<u>\$ 38,378,967</u>	<u>\$ 35,856,520</u>

See accompanying notes to financial statements.

CITY OF ST. CHARLES, ILLINOIS

FIREFIGHTERS' PENSION FUND

STATEMENT OF CHANGES IN FIDUCIARY NET POSITION

For the Years Ended April 30, 2018 and 2017

	<u>2018</u>	<u>2017</u>
ADDITIONS		
Contributions		
Employer Contributions	\$ 1,749,113	\$ 1,318,803
Employee Contributions	477,541	460,573
Other	-	50
	<hr/>	
Total Contributions	2,226,654	1,779,426
	<hr/>	
Investment Income		
Net Appreciation in Fair Value of Investments	1,059,529	1,915,703
Interest and Dividends	1,089,493	927,972
	<hr/>	
Total Investment Income	2,149,022	2,843,675
Less Investment Expense	(164,506)	(164,862)
	<hr/>	
Net Investment Income	1,984,516	2,678,813
	<hr/>	
Total Additions	4,211,170	4,458,239
	<hr/>	
DEDUCTIONS		
Pension Benefits and Refunds	1,674,951	1,552,815
Administrative Expenses	13,772	12,033
	<hr/>	
Total Deductions	1,688,723	1,564,848
	<hr/>	
NET INCREASE	2,522,447	2,893,391
 NET POSITION RESTRICTED FOR PENSION BENEFITS		
May 1	35,856,520	32,963,129
	<hr/>	
April 30	\$ 38,378,967	\$ 35,856,520
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See accompanying notes to financial statements.

CITY OF ST. CHARLES, ILLINOIS

FIREFIGHTERS' PENSION FUND

NOTES TO FINANCIAL STATEMENTS

April 30, 2018 and 2017

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The financial statements of the City of St. Charles Firefighters' Pension Fund (the Fund) of the City of St. Charles, Illinois (the City) have been prepared in accordance with accounting principles generally accepted in the United States of America, as applied to government units (hereinafter referred to as generally accepted accounting principles (GAAP)). The Governmental Accounting Standards Board (GASB) is the accepted standard-setting body for establishing governmental accounting and financial reporting principles. The more significant of the accounting policies are described below.

A. Reporting Entity

The Fund is a fiduciary fund of the City pursuant to GASB Statement No. 61.

B. Fund Accounting

The Fund uses funds to report on its fiduciary net position and the changes in its fiduciary net position. Fund accounting is designed to demonstrate legal compliance and to aid financial management by segregating transactions related to certain governmental functions or activities. A fund is a separate accounting entity with a self-balancing set of accounts. The Fund is classified in this report in the fiduciary category.

Fiduciary funds are used to account for assets held on behalf of outside parties, including other governments, or on behalf of other funds within the government. When pension plan assets are held under the terms of a formal trust agreement, a pension trust fund is used.

C. Basis of Accounting

The Fund is accounted for with a flow of economic resources measurement focus. With this measurement focus, all assets, deferred inflows, liabilities and deferred outflows associated with the operation of this fund are included on the statement of fiduciary net position. Pension trust fund operating statements present increases (e.g., additions) and decreases (e.g., deductions) in net position restricted for pensions.

The accrual basis of accounting is utilized by the pension trust fund. Under this method, additions are recorded when earned and deductions are recorded at the time the liabilities are incurred.

CITY OF ST. CHARLES, ILLINOIS
FIREFIGHTERS' PENSION FUND
NOTES TO FINANCIAL STATEMENTS (Continued)

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

D. Investments

Investment purchases are recorded as of the trade date. Investments are stated at fair value at April 30, 2018 and 2017 for both reporting and actuarial purposes. Securities traded on national exchanges are at the last reported sale price.

The Fund categorizes its fair value measurements within the fair value hierarchy established by GAAP. The hierarchy is based on the valuation inputs used to measure the fair value of the asset. Level 1 inputs are quoted prices in active markets for identical assets; Level 2 inputs are significant other observable inputs; and Level 3 inputs are significant unobservable inputs.

2. PLAN DESCRIPTION

A. Plan Administration

Firefighter sworn personnel are covered by the Fund, a single-employer defined benefit pension plan sponsored by the City. The defined benefits and employee and minimum employer contribution levels are governed by Illinois Compiled Statutes (40 ILCS 5/4-101) and may be amended only by the Illinois legislature. The City accounts for the Firefighters' Pension Plan as a pension trust fund.

The Fund is governed by a five-member Board of Trustees. Two members of the Board of Trustees are appointed by the City's Mayor, one member is elected by pension beneficiaries and two members are elected by active firefighter employees.

B. Plan Membership

At April 30, 2018 and 2017, the measurement date, membership consisted of:

	2018	2017
Inactive Plan Members Currently Receiving Benefits	25	24
Inactive Plan Members Entitled to but not yet Receiving Benefits	2	2
Active Plan Members	47	46
TOTAL	74	72

CITY OF ST. CHARLES, ILLINOIS
FIREFIGHTERS' PENSION FUND
NOTES TO FINANCIAL STATEMENTS (Continued)

2. PLAN DESCRIPTION (Continued)

C. Benefits Provided

The Fund provides retirement benefits as well as death and disability benefits. Tier 1 employees (those hired prior to January 1, 2011) attaining the age of 50 or older with 20 or more years of creditable service are entitled to receive an annual retirement benefit equal to one-half of the salary attached to the rank held at the date of retirement. The annual benefit shall be increased by 2.50% of such salary for each additional year of service over 20 years up to 30 years to a maximum of 75% of such salary. Employees with at least ten years but less than 20 years of credited service may retire at or after age 60 and receive a reduced benefit. The monthly benefit of a covered employee who retired with 20 or more years of service after January 1, 1977 shall be increased annually, following the first anniversary date of retirement and be paid upon reaching the age of at least 55 years, by 3% of the original pension and 3% compounded annually thereafter.

Tier 2 employees (those hired on or after January 1, 2011) attaining the age of 55 or older with ten or more years of creditable service are entitled to receive an annual retirement benefit equal to the average monthly salary obtained by dividing the total salary of the firefighter during the 96 consecutive months of service within the last 120 months of service in which the total salary was the highest by the number of months of service in that period. Firefighters' salary for pension purposes is capped at \$106,800, plus the lesser of ½ of the annual change in the Consumer Price Index or 3% compounded. The annual benefit shall be increased by 2.50% of such salary for each additional year of service over 20 years up to 30 years to a maximum of 75% of such salary. Employees with at least ten years may retire at or after age 50 and receive a reduced benefit (i.e., ½% for each month under 55). The monthly benefit of a Tier 2 firefighter shall be increased annually at age 60 on the January 1st after the firefighter retires, or the first anniversary of the pension starting date, whichever is later. Noncompounding increases occur annually, each January thereafter. The increase is the lesser of 3% or ½ of the change in the Consumer Price Index for the proceeding calendar year.

D. Contributions

Employees are required by Illinois Compiled Statutes (ILCS) to contribute 9.455% of their base salary to the Fund. If an employee leaves covered employment with less than 20 years of service, accumulated employee contributions may be refunded without accumulated interest. The City is required to contribute the remaining amounts necessary to finance the Fund, as actuarially determined by an enrolled actuary. However, effective January 1, 2011, ILCS requires the City to contribute a minimum amount annually calculated using the projected unit credit actuarial cost method that will result in the funding of 90% of the past service cost by the year 2040. However, the City has adopted a funding policy that will result in funding of 100% of the past service cost by 2040. The City's contribution was 34.71% and 27.32% of covered payroll for the years ended April 30, 2018 and 2017, respectively.

CITY OF ST. CHARLES, ILLINOIS
FIREFIGHTERS' PENSION FUND
NOTES TO FINANCIAL STATEMENTS (Continued)

3. INVESTMENTS

The deposits and investments of the Fund are held separately from those of the City and are under the control of the Fund's Board of Trustees.

A. Investment Policy

ILCS limits the Fund's investments to those allowable by ILCS and require the Fund's Board of Trustees to adopt an investment policy which can be amended by a majority vote of the Board of Trustees. The Fund's investment policy authorizes the Fund to make deposits/invest in insured commercial banks, savings and loan institutions, obligations of the U.S. Treasury and U.S. agencies, insured credit union shares, money market mutual funds with portfolios of securities issued or guaranteed by the United States Government or agreements to repurchase these same obligations, repurchase agreements, short-term commercial paper rated within the three highest classifications by at least two standard rating services, investment-grade corporate bonds and The Illinois Funds. The Fund may also invest in certain non-U.S. obligations, Illinois municipal corporations tax anticipation warrants, veteran's loans, obligations of the State of Illinois and its political subdivisions, Illinois insurance company general and separate accounts, mutual funds, corporate equity and corporate debt securities and real estate investment trusts.

The Fund's investment policy in accordance with ILCS establishes the following target allocation across asset classes:

Asset Class	Target	Long-Term Expected Real Rate of Return
Fixed Income	32%	1.21%
Preferred Securities	4%	4.02%
Equity Securities	55%	6.33%
Other Debt Securities	6%	3.00%
Cash and Cash Equivalents	3%	1.00%

ILCS limits the Fund's investments in equities, mutual funds and variable annuities to 65%. Securities in any one company should not exceed 5% of the total fund.

CITY OF ST. CHARLES, ILLINOIS
FIREFIGHTERS' PENSION FUND
NOTES TO FINANCIAL STATEMENTS (Continued)

3. INVESTMENTS (Continued)

A. Investment Policy (Continued)

The long-term expected rate of return on the Fund's investments was determined using an asset allocation study conducted by the Fund's investment management consultant in which best estimate ranges of expected future real rates of return (net of pension plan investment expense and inflation of 2.50%) were developed for each major assets class. These ranges were 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 or arithmetic real rates of return for each major asset class included in the Fund's target asset allocation as of April 30, 2018 and 2017 are listed in the table above.

B. Concentrations

There are no significant investments (other than United States Government guaranteed obligations) in any one organization that represent 5% or more of Fund's investments.

C. Rate of Return

For the years ended April 30, 2018 and 2017, the annual money-weighted rate of return on pension plan investments, net of pension plan investment expense, was 6.73% and 8.07%, respectively. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

D. Deposits with Financial Institutions

Custodial credit risk for deposits with financial institutions is the risk that in the event of a bank's failure, the Fund's deposits may not be returned to them. The Fund's investment policy does not require pledging of collateral for its deposits in excess of federal depository insurance. However, all deposits at April 30, 2018 and 2017 were covered by federal depository insurance.

CITY OF ST. CHARLES, ILLINOIS
FIREFIGHTERS' PENSION FUND
NOTES TO FINANCIAL STATEMENTS (Continued)

3. INVESTMENTS (Continued)

E. Interest Rate Risk

The following table presents the investments and maturities of the Fund's debt securities as of April 30, 2018 and 2017, respectively:

Investment Type	April 30, 2018				
	Fair Value	Investment Maturities (in Years)			
		Less than 1	1-5	6-10	Greater than 10
U.S. Treasury Obligations	\$ 3,398,448	\$ -	\$ 2,023,373	\$ 1,375,075	\$ -
U.S. Agency Obligations	3,743,616	-	1,246,250	905,754	1,591,612
Corporate Bonds	4,443,267	229,924	2,592,147	1,579,400	41,796
Negotiable Certificates of Deposit	861,844	-	861,844	-	-
TOTAL	\$ 12,447,175	\$ 229,924	\$ 6,723,614	\$ 3,860,229	\$ 1,633,408

Investment Type	April 30, 2017				
	Fair Value	Investment Maturities (in Years)			
		Less than 1	1-5	6-10	Greater than 10
U.S. Treasury Obligations	\$ 2,969,169	\$ -	\$ 2,121,360	\$ 847,809	\$ -
U.S. Agency Obligations	3,021,096	-	1,212,823	377,105	1,431,168
Corporate Bonds	4,160,468	278,008	1,798,600	1,983,462	100,398
Negotiable Certificates of Deposit	930,528	-	930,528	-	-
TOTAL	\$ 11,081,261	\$ 278,008	\$ 6,063,311	\$ 3,208,376	\$ 1,531,566

In accordance with its investment policy, the Fund limits its exposure to interest rate risk by structuring the portfolio to provide liquidity for short and long-term cash flow needs while providing a reasonable rate of return based on the current market. The investment policy does not limit the maximum maturity length of investments in the Fund.

F. Fair Value Measurements

The Fund has the following recurring fair value measurements as of April 30, 2018: the U.S. Treasury obligations, mutual funds and equity securities are valued using quoted prices in active markets for identical assets (Level 1 inputs). The negotiable certificates of deposits, U.S. agency obligations and the corporate bonds are valued using quoted matrix pricing models (Level 2 inputs).

CITY OF ST. CHARLES, ILLINOIS
FIREFIGHTERS' PENSION FUND
NOTES TO FINANCIAL STATEMENTS (Continued)

3. INVESTMENTS (Continued)

G. Credit Risk

The Fund limits its exposure to credit risk, the risk that the issuer of a debt security will not pay its par value upon maturity, by primarily investing in U.S. Treasury and U.S. agency obligations and investment grade corporate bonds by at least two of the three rating agencies. The U.S. agency obligations are all rated AAA or AA. The corporate bonds are rated AA+ to BBB+. The negotiable certificates of deposit are not rated.

H. Custodial Credit Risk

Custodial credit risk for investments is the risk that, in the event of the failure of the counterparty to the investment, the Fund will not be able to recover the value of its investments that are in possession of an outside party. The Fund's policy does not address custodial credit risk over investments. In addition, the Fund allows the investment broker to also serve as custodian, but requires the investment broker to acquire an excess Securities Investor Protection Corporation (SIPC) policy to provide the same coverage over the portfolio as SIPC.

4. PENSION LIABILITY OF THE CITY

A. Net Pension Liability

The components of the net pension liability of the Firefighters' Pension Plan as of April 30, 2018 and 2017 were as follows:

	2018	2017
Total Pension Liability	\$ 54,648,818	\$ 52,655,120
Plan Fiduciary Net Position	38,378,967	35,856,520
City's Net Pension Liability	16,269,851	16,798,600
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	70.23%	68.10%

See the schedule of changes in the employer's net pension liability and related ratios on page 14 of the required supplementary information for additional information related to the funded status of the Fund.

CITY OF ST. CHARLES, ILLINOIS
FIREFIGHTERS' PENSION FUND
NOTES TO FINANCIAL STATEMENTS (Continued)

4. PENSION LIABILITY OF THE CITY (Continued)

B. Actuarial Assumptions

The total pension liability above was determined by an actuarial valuation performed as of April 30, 2018 and 2017 using the following actuarial methods and assumptions.

Actuarial Valuation Date	April 30, 2018	April 30, 2017
Actuarial Cost Method	Entry-Age Normal	Entry-Age Normal
Assumptions		
Inflation	2.50%	2.50%
Salary Increases	5.00%	4.50%
Interest Rate	6.75%	6.75%
Cost of Living Adjustments	3.00% (Tier 1) 1.25% (Tier 2)	3.00% (Tier 1) 2.00% (Tier 2)
Asset Valuation Method	Market	Market

Mortality rates were based on the RP-2000 Mortality Table including a projection to the valuation date using Scale BB. The actuarial assumptions used in the April 30, 2018 and 2017 valuation were based on the results of an actuarial experience study conducted by the Illinois Department of Insurance dated October 5, 2017.

C. Discount Rate

The discount rate used to measure the total pension liability for years ended April 30, 2018 and 2017 was 6.75%. The projection of cash flows used to determine the discount rate assumed that member contributions will be made at the current contribution rate and that city contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member rate. Based on those assumptions, the Fund's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

CITY OF ST. CHARLES, ILLINOIS
FIREFIGHTERS' PENSION FUND
NOTES TO FINANCIAL STATEMENTS (Continued)

4. PENSION LIABILITY OF THE CITY (Continued)

D. Discount Rate Sensitivity

The following is a sensitive analysis of the net pension liability to changes in the discount rate for years ended April 30, 2018 and 2017.

The table below presents the net pension liability of the City, for year ended April 30, 2018, calculated using the discount rate of 6.75% as well as what the City's net pension liability would be if it were calculated using a discount rate that is 1 percentage point lower (5.75%) or 1 percentage point higher (7.75%) than the current rate:

	1% Decrease (5.75%)	Current Discount Rate (6.75%)	1% Increase (7.75%)
Net Pension Liability	\$ 24,591,785	\$ 16,269,851	\$ 9,498,374

The table below presents the net pension liability of the City, for year ended April 30, 2017, calculated using the discount rate of 6.75% as well as what the City's net pension liability would be if it were calculated using a discount rate that is 1 percentage point lower (5.75%) or 1 percentage point higher (7.75%) than the current rate:

	1% Decrease (5.75%)	Current Discount Rate (6.75%)	1% Increase (7.75%)
Net Pension Liability	\$ 24,883,196	\$ 16,798,600	\$ 10,227,384

REQUIRED SUPPLEMENTARY INFORMATION

CITY OF ST. CHARLES, ILLINOIS

FIREFIGHTERS' PENSION FUND

SCHEDULE OF CHANGES IN THE EMPLOYER'S
NET PENSION LIABILITY AND RELATED RATIOS

Last Four Fiscal Years

MEASUREMENT DATE APRIL 30,	2015	2016	2017	2018
TOTAL PENSION LIABILITY				
Service Cost	\$ 1,210,345	\$ 1,413,134	\$ 1,463,666	\$ 1,541,454
Interest	2,791,358	3,185,463	3,296,461	3,601,739
Changes of Benefit Terms	-	-	-	-
Differences Between Expected and Actual Experience	(253,089)	(1,485,308)	615,920	(262,058)
Changes of Assumptions	1,653,927	1,599,975	682,630	(1,212,486)
Contributions - Buy Back	-	-	50	-
Benefit Payments, Including Refunds of Member Contributions	(1,056,166)	(1,315,059)	(1,552,815)	(1,674,951)
Net Change in Total Pension Liability	4,346,375	3,398,205	4,505,912	1,993,698
Total Pension Liability - Beginning	40,404,628	44,751,003	48,149,208	52,655,120
TOTAL PENSION LIABILITY - ENDING	\$ 44,751,003	\$ 48,149,208	\$ 52,655,120	\$ 54,648,818
PLAN FIDUCIARY NET POSITION				
Contributions - Employer	\$ 1,229,574	\$ 1,162,413	\$ 1,318,803	\$ 1,749,113
Contributions - Member	443,468	473,869	460,623	477,541
Other	-	68	-	-
Net Investment Income	1,287,675	(997,908)	2,678,813	1,984,516
Benefit Payments, Including Refunds of Member Contributions	(1,056,166)	(1,315,059)	(1,552,815)	(1,674,951)
Administrative Expense	(18,064)	(18,132)	(12,033)	(13,772)
Net Change in Plan Fiduciary Net Position	1,886,487	(694,749)	2,893,391	2,522,447
Plan Fiduciary Net Position - Beginning	31,771,391	33,657,878	32,963,129	35,856,520
PLAN FIDUCIARY NET POSITION - ENDING	\$ 33,657,878	\$ 32,963,129	\$ 35,856,520	\$ 38,378,967
EMPLOYER'S NET PENSION LIABILITY	\$ 11,093,125	\$ 15,186,079	\$ 16,798,600	\$ 16,269,851
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	75.20%	68.50%	68.10%	70.23%
Covered-Employee Payroll	\$ 4,627,091	\$ 4,545,823	\$ 4,826,779	\$ 5,039,014
Employer's Net Pension Liability as a Percentage of Covered-Employee Payroll	239.70%	334.10%	348.00%	322.88%

Changes of assumptions

For measurement date April 30, 2018, amounts reported as changes of assumptions resulted from the following changes:

- Updated retirement, termination and disability rate tables.
- Updated assumed salary increase rates.
- Updated the percentage of disabilities assumed to be in the line of duty from 90% to 80%.
- Updated the percentage of deaths assumed to be in the line of duty from 5% to 20%.

For measurement date April 30, 2017, amounts reported as changes of assumptions resulted from the following changes:

- The base mortality table was updated to RP-2000 Disabled Mortality Table.
- The salary scale was updated from a flat 5% to a service based schedule.
- The assumed payroll growth rate was reduced from 5.00% to 4.50%.

For measurement date April 30, 2016, amounts reported as changes of assumptions, resulted from lowering the interest rate from 7.00% to 6.75%.

For measurement date April 30, 2015, there was a change with respect to actuarial assumptions to reflect revised expectations with respect to mortality rates, disability rates, turnover rates, and retirement rates.

Ultimately, this schedule should present information for the last ten years. However, until ten years of information can be compiled, information will be presented for as many years as is available.

(See independent auditor's report.)

CITY OF ST. CHARLES, ILLINOIS

FIREFIGHTERS' PENSION FUND

SCHEDULE OF EMPLOYER CONTRIBUTIONS

Last Four Fiscal Years

FISCAL YEAR ENDED APRIL 30,	2015	2016	2017	2018
Actuarially Determined Contribution	\$ 1,236,873	\$ 1,170,934	\$ 1,280,310	\$ 1,765,500
Contributions in Relation to the Actuarially Determined Contribution	1,229,574	1,162,413	1,318,803	1,749,113
CONTRIBUTION DEFICIENCY (Excess)	\$ 7,299	\$ 8,521	\$ (38,493)	\$ 16,387
Covered-Employee Payroll	\$ 4,627,091	\$ 4,545,823	\$ 4,826,779	\$ 5,039,014
Contributions as a Percentage of Covered-Employee Payroll	26.57%	25.57%	27.32%	34.71%

Notes to Required Supplementary Information

Valuation Date: Actuarially Determined Contribution Rates are Calculated as of May 1 of the Prior Fiscal Year.

Methods and assumptions used to determine contribution rates:

Actuarial Cost Method	Entry-Age Normal
Amortization Method	Level Percent of Pay
Remaining Amortization Period	25 Years
Asset Valuation Method	Five-Year Smoothed Market
Inflation	2.50%
Salary Increases	5.00%
Investment Rate of Return	6.75%
Retirement Age	50 to 70
Mortality	RP-2000 Mortality Table (CHBCA)

Ultimately, this schedule should present information for the last ten years. However, until ten years of information can be compiled, information will be presented for as many years as is available.

(See independent auditor's report.)

CITY OF ST. CHARLES, ILLINOIS

FIREFIGHTERS' PENSION FUND

SCHEDULE OF INVESTMENT RETURNS

Last Four Fiscal Years

FISCAL YEAR ENDED APRIL 30,	2015	2016	2017	2018
Annual Money-Weighted Rate of Return, Net of Investment Expense	3.91%	(2.90%)	8.07%	6.73%

Ultimately, this schedule should present information for the last ten years. However, until ten years of information can be compiled, information will be presented for as many years as is available.

(See independent auditor's report.)

SUPPLEMENTARY INFORMATION

CITY OF ST. CHARLES, ILLINOIS

FIREFIGHTERS' PENSION FUND

SCHEDULE OF CHANGES IN PLAN NET POSITION -
BUDGET AND ACTUAL

For the Year Ended April 30, 2018

	Original Budget	Final Budget	Actual	Variance Over (Under)
ADDITIONS				
Contributions				
Employer Contributions	\$ 1,765,500	\$ 1,765,500	\$ 1,749,113	\$ (16,387)
Employee Contributions	509,208	509,208	477,541	(31,667)
Total Contributions	<u>2,274,708</u>	<u>2,274,708</u>	<u>2,226,654</u>	<u>(48,054)</u>
Investment Income				
Net Appreciation in Fair Value of Investments	-	-	1,059,529	1,059,529
Interest and Dividends	1,040,520	1,040,520	1,089,493	48,973
Total Investment Income	1,040,520	1,040,520	2,149,022	1,108,502
Less Investment Expense	(150,096)	(150,096)	(164,506)	(14,410)
Net Investment Income	<u>890,424</u>	<u>890,424</u>	<u>1,984,516</u>	<u>1,094,092</u>
Total Additions	<u>3,165,132</u>	<u>3,165,132</u>	<u>4,211,170</u>	<u>1,046,038</u>
DEDUCTIONS				
Pension Benefits	1,863,180	1,863,180	1,674,951	(188,229)
Administrative Expenses	39,692	39,692	13,772	(25,920)
Total Deductions	<u>1,902,872</u>	<u>1,902,872</u>	<u>1,688,723</u>	<u>(214,149)</u>
NET INCREASE	<u>\$ 1,262,260</u>	<u>\$ 1,262,260</u>	2,522,447	<u>\$ 1,260,187</u>

**NET POSITION RESTRICTED
FOR PENSION BENEFITS**

May 1	<u>35,856,520</u>
April 30	<u>\$ 38,378,967</u>

Notes to Supplementary Information

Budgets

An annual budget is adopted for the Fund by the City Council of the City. The budget is adopted on a basis consistent with GAAP. The budget, which may not be legally exceeded at the fund level, lapses at the end of the fiscal year. Once adopted, the budget may be amended by the City Council.

(See independent auditor's report.)