

City of Kansas City, Missouri
Firefighters' Pension System
A Component Unit of the City of Kansas City, Missouri
Independent Accountants' Report and Financial Statements
April 30, 2012 and 2011



City of Kansas City, Missouri
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Independent Accountants' Report on Financial Statements and Supplementary Information

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), a component unit of the City of Kansas City, Missouri, as of and for the years ended April 30, 2012 and 2011, as listed in the table of contents. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the City of Kansas City, Missouri Firefighters' Pension System as of April 30, 2012 and 2011, and changes in its financial position for the years then ended in conformity with accounting principles generally accepted in the United States of America.

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis and pension information 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 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.

BKD, LLP

Kansas City, Missouri
August 28, 2012

City of Kansas City, Missouri
Firefighters' Pension System
A Component Unit of the City of Kansas City, Missouri
Management's Discussion and Analysis
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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, 2012 and 2011. 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 Assets as of April 30, 2012 and 2011 and the Statements of Changes in Plan Net Assets for the years ended April 30, 2012 and 2011. These statements reflect resources available for the payment of benefits as of the year-end, and the sources and use 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.

2012 and 2011 Summary Comparative Information of Plan Net Assets

	April 30, 2012	April 30, 2011	Amount Change	Percentage Change
Receivables	\$ 2,120,074	\$ 4,556,631	\$ (2,436,557)	-53.47%
Investments at fair value	403,573,910	413,495,997	(9,922,087)	-2.40%
Securities lending collateral	30,161,932	5,156,438	25,005,494	484.94%
Total assets	<u>435,855,916</u>	<u>423,209,066</u>	<u>12,646,850</u>	2.99%
Due to broker for purchases of investments	659,754	3,094,612	(2,434,858)	-78.68%
Administrative and investment expenses payable	528,992	353,192	175,800	49.77%
Securities lending collateral	30,161,932	5,156,438	25,005,494	484.94%
Total liabilities	<u>31,350,678</u>	<u>8,604,242</u>	<u>22,746,436</u>	264.36%
Net assets	<u><u>\$ 404,505,238</u></u>	<u><u>\$ 414,604,824</u></u>	<u><u>\$ (10,099,586)</u></u>	-2.44%

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2012 and 2011 Summary Comparative Information of Changes in Plan Net Assets

	April 30, 2012	April 30, 2011	Amount Change	Percentage Change
Member contributions	\$ 5,648,528	\$ 5,496,669	\$ 151,859	2.76%
Employer contributions	12,748,990	11,661,980	1,087,010	9.32%
Net investment income	3,698,373	51,520,473	(47,822,100)	-92.82%
Total additions	22,095,891	68,679,122	(46,583,231)	-67.83%
Benefits paid to members	30,922,511	28,997,927	1,924,584	6.64%
Refunds of contributions	1,113,257	1,105,242	8,015	0.73%
Administrative expenses	159,709	109,573	50,136	45.76%
Total deductions	32,195,477	30,212,742	1,982,735	6.56%
Net Increase (Decrease)	(10,099,586)	38,466,380	(48,565,966)	-126.26%
Net Assets, Beginning of Year	414,604,824	376,138,444	38,466,380	10.23%
Net Assets, End of Year	\$ 404,505,238	\$ 414,604,824	\$ (10,099,586)	-2.44%

2012 Financial Highlights

Net plan assets declined by 2.4% in the period. The investment portfolio registered a return, net of fees, of 1.3%, which exceeded the 0.9% increase in the Policy Index. While most of the equity and fixed income managers performed in line with their respective benchmarks, the global equity manager and Long/Short equity fund both exceeded performance expectations by meaningful margins. Real estate was the best performing asset class on an absolute basis, as property prices continued to recover, with the Plan's manager posting a gain of over 14%.

Investment income declined by \$48 million, to slightly less than \$4 million. Contributions rose modestly, due to salary increases granted to most members. Retirements and cost-of-living increases caused benefit payments to advance by a further 6.6%. Contribution refunds were virtually flat while administrative expenses rose by \$50,000.

2012 Operational Highlights

Two domestic equity managers were replaced during the period because of performance and organizational concerns. In addition, a decision was made to boost real estate exposure from the current 5% target to 10%; implementation of that decision is expected to occur in the 2013 fiscal year. An Actuarial Experience Study was also conducted, resulting in the modification of certain demographic assumptions that, in aggregate, will reduce reported Plan liabilities prospectively. Cash requirements in excess of contributions were mainly funded through the sale of fixed income investments.

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2011 and 2010 Summary Comparative Information of Plan Net Assets

	April 30, 2011	April 30, 2010	Amount Change	Percentage Change
Receivables	\$ 4,556,631	\$ 4,137,590	\$ 419,041	10.13%
Investments at fair value	413,495,997	375,184,822	38,311,175	10.21%
Securities lending collateral	5,156,438	41,633,449	(36,477,011)	-87.61%
Total assets	<u>423,209,066</u>	<u>420,955,861</u>	<u>2,253,205</u>	0.54%
Due to broker for purchases of Administrative and investment expenses payable	3,094,612	2,763,818	330,794	11.97%
Securities lending collateral	5,156,438	41,633,449	(36,477,011)	-87.61%
Total liabilities	<u>8,604,242</u>	<u>44,817,417</u>	<u>(36,213,175)</u>	-80.80%
Net assets	<u><u>\$ 414,604,824</u></u>	<u><u>\$ 376,138,444</u></u>	<u><u>\$ 38,466,380</u></u>	10.23%

2011 and 2010 Summary Comparative Information of Changes in Plan Net Assets

	April 30, 2011	April 30, 2010	Amount Change	Percentage Change
Member contributions	\$ 5,496,669	\$ 5,622,465	\$ (125,796)	-2.24%
Employer contributions	11,661,980	11,504,477	157,503	1.37%
Investment income	51,520,473	95,559,763	(44,039,290)	-46.09%
Total additions	<u>68,679,122</u>	<u>112,686,705</u>	<u>(44,007,583)</u>	-39.05%
Benefits paid to members	28,997,927	27,211,405	1,786,522	6.57%
Refunds of contributions	1,105,242	795,565	309,677	38.93%
Administrative expenses	109,573	86,363	23,210	26.87%
Total deductions	<u>30,212,742</u>	<u>28,093,333</u>	<u>2,119,409</u>	7.54%
Net Increase	38,466,380	84,593,372	(46,126,992)	-54.53%
Net Assets, Beginning of Year	<u>376,138,444</u>	<u>291,545,072</u>	<u>84,593,372</u>	29.02%
Net Assets, End of Year	<u><u>\$ 414,604,824</u></u>	<u><u>\$ 376,138,444</u></u>	<u><u>\$ 38,466,380</u></u>	10.23%

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2011 Financial Highlights

Net assets climbed a further 10.2% during the period, as asset prices generally continued to rise. According to the Plan's investment consultant, the investment portfolio grew by 16.7% net of fees. This exceeded the 15.4% return for the Policy Index, with nearly every component of the portfolio registering solid relative performance. The domestic equity and fixed income segments were particularly strong, and real estate exhibited a notable rebound.

Investment income was \$51.5 million, and that fueled the 10.2% rise in net assets. Aggregate contributions were essentially unchanged from the prior period, as a wage freeze remained in place and membership did not increase materially. Benefits climbed by 6.6%, due to additional retirements and cost-of-living adjustments. Contribution refunds continued to rise, with much of the increase attributable to retirements. Administrative expenses were \$23,000 higher than previously.

2011 Operational Highlights

A number of investment manager changes occurred during the year as a result of the previous asset allocation study, and related manager structure review study, conducted by the investment consultant. The Western Asset Management IndexPlus fund was replaced with a pure index fund, and Essex Investment Management was replaced by Brown Advisory. Additionally, a 10% allocation to Long/Short Equity hedge fund-of-funds was established, with the Rock Creek Group hired to fill that role through their Rock Creek Georgetown fund. In combination, these changes are expected to improve the risk and return profile of the plan. Ongoing cash requirements were generally fulfilled in conjunction with the above outlined transitions, with fixed income accounts representing a secondary source of funds.

Requests for Information

This financial report is designed to provide members of the 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 Firefighters' Pension System, City Hall, 414 East 12th Street, 12th 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 Firefighters' Pension System.

City of Kansas City, Missouri
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Statements of Plan Net Assets
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Assets

	2012	2011
Investments, At Fair Value		
Short-term investment funds	\$ 12,006,159	\$ 10,627,353
Domestic common stock	80,077,515	103,223,039
Foreign equities	2,890,475	3,750,912
Collective trusts - equities	137,177,353	130,065,185
Collective trusts - fixed income	116,967,984	113,440,171
Collective trusts - hedge funds	35,808,421	35,169,938
Collective trusts - real estate	18,646,003	17,219,399
Total investments	403,573,910	413,495,997
Securities Lending Collateral	30,161,932	5,156,438
Receivables		
Contributions	1,179,166	954,273
Investment income	50,138	66,176
Due from broker for sales of investments	890,770	3,536,182
Total receivables	2,120,074	4,556,631
Total assets	435,855,916	423,209,066
 Liabilities		
Due to broker for purchases of investments	659,754	3,094,612
Administrative and investment expenses payable	528,992	353,192
Securities lending collateral	30,161,932	5,156,438
Total liabilities	31,350,678	8,604,242
Net Assets Held in Trust for Pension Benefits	\$ 404,505,238	\$ 414,604,824

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Years Ended April 30, 2012 and 2011

Additions	2012	2011
Investment Income		
Interest income	\$ 178,717	\$ 203,958
Dividend income	1,724,125	1,597,751
Net appreciation in fair value of investments	3,547,615	51,676,794
Less investment expense	<u>(1,853,940)</u>	<u>(1,962,768)</u>
Net investment income	<u>3,596,517</u>	<u>51,515,735</u>
Securities Lending Income		
Securities lending gross income	96,993	8,815
Securities lending expenses		
Borrower rebates	48,337	(2,051)
Management fees	<u>(43,474)</u>	<u>(2,026)</u>
Total securities lending expenses	<u>4,863</u>	<u>(4,077)</u>
Net securities lending income	<u>101,856</u>	<u>4,738</u>
Total net investment income	<u>3,698,373</u>	<u>51,520,473</u>
Contributions		
Contributions from the City of Kansas City, Missouri	12,748,990	11,661,980
Contributions from members	<u>5,648,528</u>	<u>5,496,669</u>
Total contributions	<u>18,397,518</u>	<u>17,158,649</u>
Total additions	<u>22,095,891</u>	<u>68,679,122</u>
Deductions		
Benefits Paid		
Members	30,888,511	28,941,927
Funeral benefits	<u>34,000</u>	<u>56,000</u>
Total benefits paid	<u>30,922,511</u>	<u>28,997,927</u>
Refunds		
Termination	124,955	250,303
Retirement	988,302	854,939
Administrative Expenses	<u>159,709</u>	<u>109,573</u>
Total deductions	<u>32,195,477</u>	<u>30,212,742</u>
Net Increase (Decrease)	(10,099,586)	38,466,380
Net Assets Held in Trust for Pension Benefits, Beginning of Year	<u>414,604,824</u>	<u>376,138,444</u>
Net Assets Held in Trust for Pension Benefits, End of Year	<u>\$ 404,505,238</u>	<u>\$ 414,604,824</u>

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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, public employee retirement system 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.

At April 30, 2012 and 2011, the Plan's membership consisted of the following:

	2012	2011
Retirees and beneficiaries currently receiving benefits and terminated employees entitled to benefits but not yet receiving them	877	869
Current employees:		
Vested	544	497
Nonvested	400	436
Inactive	8	7
Total	1,829	1,809

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.

Use of Estimates

The preparation of financial statements in conformity with accounting practices 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.

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Investments

Investments owned are valued at fair value as follows:

Common and Preferred Stock

Listed – closing prices are reported on the composite summary of national securities exchanges

Over-the-counter – bid prices

Collective Trusts and Short-Term Investment Funds

Represent quoted redemption values determined principally based on quoted market prices of the underlying investments.

Where investment securities are not listed on the exchange, quotations are estimated by management based on information obtained from brokerage firms or national pricing services. 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.

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.

Contributions

Funding is provided by contributions from the Plan's members, the City and earnings on investments. Firefighters contribute 9.55% of their base salary and an additional 1% 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 information provided by the Plan's consulting actuary and board of trustees.

The recommended contribution rate is determined by the Plan's consulting actuary using the entry age normal actuarial cost funding method. Significant actuarial assumptions used to compute contribution requirements are the same as those used to compute the actuarial accrued liability.

Based upon the April 30, 2011 actuarial valuation, the actuary recommended a City contribution rate of 27.02%. The board of trustees recognized a scheduled City contribution rate of 19.6% for 2012 and 2011. The City Council approved a City contribution rate of 19.6% (and 2% to fund the health insurance subsidy) for the years ended April 30, 2012 and 2011.

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Funded Status and Funding Progress

The funded status of the Plan as of April 30, 2011, the most recent actuarial valuation date, is as follows:

	(a)	(b)	(b - a)	(a/b)	(c)	[(b - a)/c]
Actuarial Valuation Date	Actuarial Value of Assets	Actuarial Accrued Liability (AAL) Entry Age	Unfunded AAL (UAAL)	Funded Ratio	Covered Payroll	UAAL as a Percentage of Covered Payroll
4/30/2011	\$ 432,540,955	\$ 528,481,037	\$ 95,940,082	82%	\$ 51,983,293	185%

The schedule of funding progress, presented as required supplementary information following the notes to the financial statements, presents multiyear trend information about whether the actuarial value of plan assets is increasing or decreasing over time relative to the actuarial accrued liabilities for benefits.

Retirement Benefits

Employees with 10 or more years of service are entitled to retirement benefits based on an average of 2.5% of final compensation per year of service up to 80.0%. 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 contribution 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. Members terminating prior to retirement with 10 or more years of service may elect to receive a refund of their member contributions with interest as a lump-sum distribution, or they may elect to receive a deferred pension. An annual cost-of-living adjustment of 3.0% 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.

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% 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.

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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.

Subsidy

Effective May 1, 1991, the Plan established a subsidy fund (subsidy). The City and active firefighters each contribute 2% and 1% of salary, respectively. Effective November 1, 2010, the Plan increased the contributions by an additional \$100 monthly per retired member. This additional monthly contribution was increased to \$200 per retired member effective November 1, 2011. 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, 2012 and 2011 was \$420 and \$320, respectively.

The subsidy is invested in both fixed income and equity securities and is stated at fair value. Investments totaled \$2,049,534 and \$2,061,952 at April 30, 2012 and 2011, respectively.

The April 30, 2012 and 2011 actuarial valuations do not consider the subsidy's plan net assets, which at April 30, 2012 and 2011 were \$2,049,534 and \$2,061,952, respectively. According to the City ordinance that established the subsidy, if the net assets available for the subsidy are zero, the subsidy will no longer be available. For the years ended April 30, 2012 and 2011, employer contributions for the subsidy were \$2,219,905 and \$1,364,342, respectively, and employee contributions were \$535,652 and \$586,071, respectively.

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.

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Note 2: 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.

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% of the market value and international debt and equity securities of not less than 105% of the market value. At April 30, 2012 and 2011, 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.

	<u>2012</u>	<u>2011</u>
Market value of securities loaned	\$ 29,335,473	\$ 5,044,543
Market value of cash collateral received from borrowers	\$ 30,161,932	\$ 5,156,438
Market value of non-cash collateral received from borrowers	48,563	-
Total market value of collateral	<u>\$ 30,210,495</u>	<u>\$ 5,156,438</u>

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.

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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, \$29,335,473 and \$5,044,543 at April 30, 2012 and 2011, respectively, was held by the counterparty that was acting as the Plan's agent in securities lending transactions.

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, 2012 and 2011, the Plan's fixed income assets that are not government guaranteed represented 100% 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, 2012 and 2011:

Average Credit Quality and Exposure Levels of Nongovernment Guaranteed Securities

Fixed Income Security Type	Fair Value April 30, 2012	Percentage of all Fixed Income Assets	Weighted Average Credit Quality
Money market funds	\$ 12,006,159	9%	Not rated
Collective trusts - fixed income	116,967,984	91%	Not rated
	<u>\$ 128,974,143</u>	<u>100%</u>	

Fixed Income Security Type	Fair Value April 30, 2011	Percentage of all Fixed Income Assets	Weighted Average Credit Quality
Money market funds	\$ 10,627,353	9%	Not rated
Collective trusts - fixed income	113,440,171	91%	Not rated
	<u>\$ 124,067,524</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.

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Concentration of Credit Risk

Concentration of credit risk is the risk of loss that may be attributed to the magnitude of a government's investment in a single issuer. The Plan's policy for each specific portfolio limits investments in any corporate entity to no more than 5% of the market value of the account for actively managed portfolios, excluding U.S. government and agency obligations. As of April 30, 2012 and 2011, there were no investments not directly guaranteed by the U.S. government in any issuer greater than 5%.

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. The collective trusts and money market funds do not have a maturity date, even though their underlying assets do have maturity dates.

Note 3: Actuarial Methods and Assumptions

An actuary from Cheiron determines the actuarial present value of accumulated plan benefits, which is the amount that results from applying actuarial assumptions to adjust the accumulated plan benefits to reflect the time value of money (through discounts for interest) and the probability of payment (by means of decrements such as for death, disability, withdrawal or retirement) between the valuation date and the expected date of payment.

The information presented in the required supplemental schedules was determined as part of the actuarial valuations as of the dates indicated. Additional information as of the latest actuarial valuation follows:

Valuation date	April 30, 2011 and 2010
Actuarial cost method	Entry age normal cost
Amortization method	30-year layered level percent of pay amortization for changes to the UAL on or after 5/1/2008
Remaining amortization period	27.0 years
Actuarial assumptions:	
Investment rate of return	7.75% per annum
Projected salary increases*	3.0% to 8.0% per annum, depending on age
Cost-of-living adjustments*	3.0%, simple per annum

* Includes inflation rate of 3%.

City of Kansas City, Missouri
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Notes to Financial Statements
April 30, 2012 and 2011

Actuarial Value of Assets

The Plan has adopted the five-year smoothed market method of valuing assets that recognizes the fair market value of assets. The following represents the components of the asset valuation:

- a. The actuarial value at the beginning of the year; plus
- b. The contributions less benefits paid during the year; plus
- c. Interest at the assumed net rate of investment return on an actuarial basis; plus
- d. 20% of the gain/(loss) (difference between the market value of assets and the expected value of assets) for the year plus 20% of each of the four prior years gains/(losses).

If the actuarial value of assets is less than 80% or more than 120% of the market value, an adjustment is made to the actuarial value to bring the value within this corridor.

Note 4: 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 statement of plan net assets.

Plan contributions are made and the actuarial present value of accumulated plan benefits 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.

Current Economic Conditions

The current protracted economic environment, which in some cases has resulted in large declines in the fair value of investments, continues to present pension systems with unprecedented circumstances and challenges. The financial statements have been prepared using values and information currently available to the Plan.

Given the volatility of current economic conditions, the values of assets recorded in the financial statements could change rapidly, resulting in material future adjustments in investment values that could negatively impact the Plan.

Required Supplementary Information

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

Actuarial Valuation Date	(a) Actuarial Value of Assets	(b) Actuarial Accrued Liability (AAL) Entry Age	(b - a) Unfunded AAL (UAAL)	(a/b) Funded Ratio	(c) Covered Payroll	[(b - a)/c] UAAL as a Percentage of Covered Payroll
4/30/2002	\$ 313,619,727	\$ 358,688,291	\$ 45,068,564	87%	\$ 41,698,908	108%
4/30/2003	306,204,360	371,993,884	65,789,524	82%	42,315,396	155%
4/30/2004	318,841,561	384,247,836	65,406,275	83%	43,920,060	149%
4/30/2005	332,415,711	392,856,425	60,440,714	85%	45,700,578	132%
4/30/2006	381,404,249	434,033,285	52,629,036	88%	47,022,072	112%
4/30/2007	412,407,949	447,939,116	35,531,167	92%	49,420,823	72%
4/30/2008	447,209,064	478,734,450	31,525,386	93%	51,168,515	62%
4/30/2009	348,489,209	500,193,509	151,704,300	70%	53,612,509	283%
4/30/2010	435,427,953	516,599,916	81,171,963	84%	51,934,305	156%
4/30/2011	432,540,955	528,481,037	95,940,082	82%	51,983,293	185%

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Required Supplementary Information
Schedule of Employer Contributions
Last Ten Fiscal Years

Year Ended April 30,	Annual Required Contributions	Percentage Contributed
2002	\$ 7,709,082	100%
2003	8,215,224	100%
2004	9,632,622	88%
2005	9,808,923	89%
2006	9,807,644	93%
2007	9,419,485	101%
2008	8,734,919	114%
2009	9,476,409	109%
2010	17,123,835	61%
2011	12,827,773	80%