# Firemen's Annuity and Benefit Fund of Chicago (A Component Unit of the City of Chicago, Illinois) 

FINANCIAL STATEMENTS

DECEMBER 31, 2014 AND 2013

# Firemen's Annuity and Benefit Fund of Chicago 

Financial Statements with Supplementary Information

DECEMBER 31, 2014 AND 2013

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# Firemen's Annuity and Benefit Fund of Chicago 

## Financial Statements with Supplementary Information

December 31, 2014 and 2013

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PROFESSIONALS LLP
CERTIFIED PUBLIC ACCOUNTANTS

## Report of Independent Auditors

To the Board of Trustees of
Firemen's Annuity and Benefit
Fund of Chicago

## Report on the Financial Statements

We have audited the accompanying financial statements of Firemen's Annuity and Benefit Fund of Chicago (the Plan), a component unit of the City of Chicago, Illinois, which comprise the combining statements of pension plan fiduciary net position and health insurance supplement plan net position as of December 31, 2014 and 2013, and the related combining statements of changes in pension plan fiduciary net position and health insurance supplement plan net position for the years then ended, and the related notes to the financial statements, which collectively comprise the Plan's basic financial statements.

## 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.

## Auditors' 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 of material misstatement.

An audit includes 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 Plan'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 Plan's internal control. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. 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.

## Auditors' Responsibility (continued)

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 in the first paragraph present fairly, in all material respects, the plan net position of Firemen's Annuity and Benefit Fund of Chicago as of December 31, 2014 and 2013, and the changes in plan net position for the years then ended, in conformity with accounting principles generally accepted in the United States of America.

## Emphasis of Matter

As discussed in Note 1, the Plan implemented GASB Statement No. 67, Financial Reporting for Pension Plans. As a result, the financial statements now include substantially different note disclosures and required supplementary information. 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 Management's Discussion and Analysis on pages 4 through 4 g and the required supplementary information on pages 29 through 34 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 inquires 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.

## Supplementary Information

Our audits were conducted for the purpose of forming an opinion on the Plan's basic financial statements as a whole. The accompanying supplementary information on pages 35 through 37 is presented for purposes of additional analysis and is not a required part of the financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audits 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.

Other Matters (continued)
Previously Audited Information
We also have previously audited the basic financial statements for the years ended December 31, 2012, 2011, 2010, and 2009 (which are not presented herein), and we expressed unmodified opinions on those financial statements. In our opinion, the information on page 37 is fairly stated in all material respects in relation to the basic financial statements from which it has been derived.

## Legacy Professionals LLP

Chicago, Illinois

June 17, 2015

# Firemen's Annuity and Benefit Fund of Chicago 

Management's Discussion and Analysis (Unaudited)
December 31, 2014 AND 2013

This section presents Management's Discussion and Analysis of the financial position and performance of the Firemen's Annuity and Benefit Fund of Chicago (the Plan) for the year ended December 31, 2014 and 2013. This discussion is presented as an overview of the financial activities of the Plan and should be read in conjunction with the Plan's financial statements.

## Overview of the Basic Financial Statements

The following discussion and analysis is intended to serve as an introduction to the Plan's basic financial statements. The financial statements are prepared on an economic sources focus and accrual basis of accounting in accordance with Governmental Accounting Standards Board (GASB) pronouncements. The basic components of the financial package are described below:

## Combining Statements of Pension Plan Fiduciary Net Position and Health

 Insurance Supplement Plan Net Position provides a snapshot of account balances and net position held in trust for future benefit payments and any liabilities as of the Plan's year end. Over time, increases and decreases in net position may serve as a useful indicator of whether the financial position of the Plan is improving or deteriorating.Combining Statements of Changes in Pension Plan Fiduciary Net Position and Health Insurance Supplement Plan Net Position shows the revenues (additions) and expenses (deductions) during the year, where additions less deductions equal net increase (decrease) in net position. The net increase (decrease) in net position reports the change in net position as reported in the combining Statements of Changes in Pension Plan Fiduciary Net Position and Health Insurance Supplement Plan Net Position of the prior year and the current year.

Notes to the Financial Statements provides additional information that is essential to achieving a better understanding of the data provided in the basic financial statements.

Required Supplementary Information provides schedules and related notes concerning actuarial information, funding progress and employer contributions.

Supplementary Information includes schedules of administrative expenses, investment expenses, additions by source, and deductions by type.

## Financial Highlights

## Plan Net Position

The condensed Combining Statements of Pension Plan Fiduciary Net Position and Health Insurance Supplement Plan Net Position reflect the resources available to pay benefits to members. A summary of the Combining Statements of Pension Plan Fiduciary Net Position and Health Insurance Supplement Plan Net Position is as follows:

|  | Plan Net Position As of December 31, |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\underline{2014}$ |  | $\underline{2013}$ |  | $\underline{2012}$ |  | Current Year Increase/(Decrease) in |  |  |
|  |  |  |  |  |  |  |  |
| Assets: |  |  |  |  |  |  |  |  |  |
| Receivables | \$ | 116,531,262 |  |  | \$ | 113,622,242 | \$ | 94,553,758 | \$ | 2,909,020 | 2.6 \% |
| Prepaid expenses |  | 137,990 |  | 119,151 |  | 158,739 |  | 18,839 | 15.8 \% |
| Investments, at fair value |  | 922,505,115 |  | 1,007,046,152 |  | 942,774,569 |  | $(84,541,037)$ | -8.4 \% |
| Collateral held for securities on loan |  | 160,968,881 |  | 168,963,442 |  | 161,363,241 |  | (7,994,561) | -4.7\% |
| Total assets |  | 1,200,143,248 |  | 1,289,750,987 |  | 1,198,850,307 |  | $(89,607,739)$ | -6.9\% |
| Liabilities: |  |  |  |  |  |  |  |  |  |
| Payables |  | 3,165,966 |  | 4,082,688 |  | 5,064,268 |  | $(916,722)$ | -22.5\% |
| Securities lending collateral |  | 160,968,881 |  | 168,963,442 |  | 161,363,241 |  | (7,994,561) | -4.7\% |
| Total liabilities |  | 164,134,847 |  | 173,046,130 |  | 166,427,509 |  | $(8,911,283)$ | -5.1\% |
| Plan net position | \$ | 1,036,008,401 | \$ | 1,116,704,857 | \$ | 1,032,422,798 |  | $(80,696,456)$ | -7.2 \% |

Plan net position decreased by $\$ 80,696,456$ or $7.2 \%$ from $\$ 1,116,704,857$ at December 31, 2013 to $\$ 1,036,008,401$ at December 31, 2014. Comparatively, plan net position increased by $\$ 84,282,059$ or $8.2 \%$ from $\$ 1,032,422,798$ at December 31, 2012 to $\$ 1,116,704,857$ at December 31, 2013.

The decrease in plan net position for the year ended December 31, 2014 was primarily due to employer contributions and investment returns not exceeding benefit payments. Overall reduction of plan net position was significantly impacted by the liquidation of marketable securities to meet monthly benefit obligations.

The increase in plan net position for the year ended December 31, 2013 was primarily due to strong market performance across all asset classes as demonstrated by returns of $22.0 \%$ for the year ended December 31, 2013. Overall growth of plan net position was significantly offset by the liquidation of marketable securities to meet monthly benefit obligations.

## Changes in Plan Net Position

The condensed Combining Statements of Changes in Pension Plan Fiduciary Net Position and Health Insurance Supplement Plan Net Position reflects the changes in the resources available to pay benefits to members. A summary of the Combining Statements of Changes in Pension Plan Fiduciary Net Position and Health Insurance Supplement Plan Net Position is as follows:

## Changes in Plan Net Position For the Years Ended December 31,

|  | $\underline{2014}$ | $\underline{2013}$ | $\underline{2012}$ |  | Current Year Increase/(Decrease) in |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Dollars | Percent |
| Additions: |  |  |  |  |  |  |  |
| Employer contributions | \$ 109,805,454 | \$ 106,219,800 | \$ | 84,144,328 | \$ | 3,585,654 | 3.4 \% |
| Plan member contributions | 48,056,393 | 42,520,218 |  | 53,272,730 |  | 5,536,175 | 13.0 \% |
| Net investment income | 30,179,163 | 189,895,723 |  | 134,480,603 |  | $(159,716,560)$ | -84.1 \% |
| Net securities lending income | 684,725 | 637,157 |  | 715,889 |  | 47,568 | 7.5 \% |
| Other | 11,394 | $(57,079)$ |  | 3,459,687 |  | 68,473 | 120.0 \% |
| Total additions | 188,737,129 | 339,215,819 |  | 276,073,237 |  | (150,478,690) | -44.4 \% |
| Deductions: |  |  |  |  |  |  |  |
| Benefits | 261,571,672 | 247,057,741 |  | 228,585,731 |  | 14,513,931 | 5.9\% |
| Administrative expenses | 3,066,946 | 3,101,827 |  | 3,063,965 |  | $(34,881)$ | -1.1\% |
| Annuitant health care | 2,471,055 | 2,550,785 |  | 2,622,445 |  | $(79,730)$ | -3.1\% |
| Litigation settlement | 2,246 | 13,291 |  | 520,173 |  | $(11,045)$ | -83.1\% |
| Refunds of contributions | 2,321,666 | 2,210,116 |  | 2,631,674 |  | 111,550 | $5.0 \%$ |
| Total deductions | 269,433,585 | 254,933,760 |  | 237,423,988 |  | 14,499,825 | 5.7 \% |
| Net increase (decrease) |  |  |  |  |  |  |  |
| in plan net position | \$(80,696,456) | \$ 84,282,059 | \$ | 38,649,249 | \$ | (164,978,515) | -195.7\% |

## Additions to Plan Net Position

Total additions were $\$ 188,737,129$ in 2014, \$339,215,819 in 2013 and $\$ 276,073,237$ in 2012.
Employer contributions increased by $\$ 3,585,654$ or $3.4 \%$ from $\$ 106,219,800$ for the year ended December 31, 2013 to $\$ 109,805,454$ for the year ended December 31, 2014. Comparatively, employer contributions increased by $\$ 22,075,472$ or $26.2 \%$ from $\$ 84,144,328$ for the year ended December 31, 2012 to $\$ 106,219,800$ for the year ended December 31, 2013. During the year ended December 31, 2014, the Plan recognized an increase in employer contributions of approximately $3.4 \%$ as a result of an increase in plan member contributions (from which employer contributions are calculated) from the year ended December 31, 2011 to the year ended December 31, 2012.

Plan member contributions increased by $\$ 5,536,175$ or $13.0 \%$ from $\$ 42,520,218$ for the year ended December 31, 2013 to $\$ 48,056,393$ for the year ended December 31, 2014.
Comparatively, plan member contributions decreased by $\$ 10,752,512$ or $20.2 \%$ from $\$ 53,272,730$ for the year ended December 31, 2012 to $\$ 42,520,218$ for the year ended December 31, 2013. Plan member contributions for the year ended December 31, 2014 increased as a result of approximately $\$ 3.3$ million in retroactive member contributions and increased salaries due to the contract settlement between the Chicago Firefighters Union, Local No. 2 and the City of Chicago. Plan member contributions decreased during the year ended December 31, 2013 due to one time additional plan member contributions of approximately $\$ 8.3$ million received during the year ended December 31, 2012 from the Lewis class action lawsuit against the City of Chicago.

Net investment income decreased by $\$ 159,716,560$ or $84.1 \%$ from $\$ 189,895,723$ for the year ended December 31, 2013 to $\$ 30,179,163$ for the year ended December 31, 2014. Comparatively, net investment income increased by $\$ 55,415,120$ or $41.2 \%$ from $\$ 134,480,603$ for the year ended December 31, 2012 to $\$ 189,895,723$ for the year ended December 31, 2013. During the year ended December 31, 2014, U.S. equities posted positive returns due to moderate gross domestic product (GDP) growth, improving employment trends and rising consumer confidence levels. However, international equity returns did not fare as well due to slower growth prospects in international economies and a strengthening U.S. dollar. Fixed income returns performed well, especially treasuries, as interest rates continued to decline. Oil prices dropped significantly because of an excess of supply, this greatly impacted overall commodity returns. The Plan's realized return on investments for the year ended December 31, 2014 was $3.9 \%$ versus $22.0 \%$ for the year ended December 31,2013 and $16.2 \%$ for the year ended December 31, 2012. Over the previous twenty years, the Plan's annual return is $9.2 \%$, which is $1.2 \%$ above the actuarial assumed expected rate of return of $8 \%$.

## Additions to Plan Net Position (continued)

## Portfolio Rate of Return <br> For the Years Ended December 31,

|  | $\underline{2014}$ | $\underline{2013}$ | $\underline{2012}$ |
| :--- | :---: | :---: | :---: |
| Domestic Equities | $8.0 \%$ | $36.1 \%$ | $17.2 \%$ |
| S\&P 500 Benchmark | $13.7 \%$ | $32.4 \%$ | $16.0 \%$ |
| International Equities | $-3.7 \%$ | $23.1 \%$ | $18.5 \%$ |
| MS World ex US | $-3.9 \%$ | $21.6 \%$ | $17.0 \%$ |
| Fixed income | $6.7 \%$ | $1.1 \%$ | $14.0 \%$ |
| Barclays Aggregate Benchmark | $6.0 \%$ | $-2.0 \%$ | $4.2 \%$ |
| Total Plan | $3.9 \%$ | $22.0 \%$ | $16.2 \%$ |

Other additions increased by $\$ 68,473$ or $120.0 \%$ from $\$(57,079)$ for the year ended December 31, 2013 to $\$ 11,394$ for the year ended December 31, 2014. Comparatively, other additions decreased by $\$ 3,516,766$ or ( $101.6 \%$ ) from $\$ 3,459,687$ for the year ended December 31, 2012 to $(\$ 57,079)$ for the year ended December 31, 2013. Other additions for the year ended December 31, 2012 include a one time receipt of interest on litigation contributions of approximately $\$ 3.5$ million.

## Deductions to Plan Net Position

Total deductions were $\$ 269,433,585$ in 2014, $\$ 254,933,760$ in 2013 and $\$ 237,423,988$ in 2012.
Benefits increased by $\$ 14,513,931$ or $5.9 \%$ from $\$ 247,057,741$ for the year ended December 31, 2013 to $\$ 261,571,672$ for the year ended December 31, 2014. Comparatively, benefits increased by $\$ 18,472,010$ or $8.1 \%$ from $\$ 228,585,731$ for the year ended December 31, 2012 to $\$ 247,057,741$ for the year ended December 31, 2013. In recent times, benefits have increased yearly due to several factors; a contractual free healthcare incentive which has added annuitants above the expected number, cost of living increases, and new annuitants coming on the pension roll at higher rates than the annuitants that are being removed from the pension roll.

During the year ended December 31, 2012, the Plan made payments for litigation settlement expenses as the result of a court decision involving duty death widows. No payments relating to that court decision were made during the years ended December 31, 2013 and 2014.

Administrative expenses, annuitant health care, and refunds of contributions have all remained at relatively constant amounts over the last three years.

## Actuarial Information

## Pension Benefits

The Plan's funding for pension benefits as of December 31, 2014, 2013 and 2012 is as follows:

## Funding for Pension Benefits For the Years Ended December 31,

$\underline{2014}$
$\underline{2013}$
$\underline{2012}$

GASB Statement No. 67:

| Employer's net pension liability | $\underline{\underline{\$ 3,476,751,678}}$ | $\underline{\underline{\$ 3,161,507,315}}$ | N/A |
| :--- | :---: | :---: | :---: | :---: |
| Plan fiduciary net position as a percentage <br> of the total pension liability | $\underline{\underline{22.96} \%}$ | $\underline{\underline{26.10 \%}}$ | N/A |
| GASB Statement No. 25: | $\underline{\underline{3,350,451,313}}$ | $\underline{\underline{\$ 3,137,521,261}}$ | $\underline{\underline{\$ 3,026,854,179}}$ |
| Unfunded actuarial accrued liability | $\underline{\underline{22.78} \%}$ | $\underline{\underline{24.01} \%}$ | $\underline{\underline{24.71 \%}}$ |

The Plan adopted GASB Statement No. 67, Financial Reporting for Pension Plans during the year ended December 31, 2014. See Note 1 in the financial statements for further information.

For the purposes of comparability in this year of transition, the funding information for pension benefits has been included for both GASB Statement No. 67 and the replaced GASB Statement No. 25, Financial Reporting for Defined Benefit Pension Plans and Note Disclosures for Defined Contribution Plans. The employer's net pension liability and plan fiduciary net position as a percentage of the total pension liability as of December 31, 2012 is not available and has not been provided.

The primary difference between the employer's net pension liability (GASB Statement No. 67) and the unfunded actuarial accrued liability (GASB Statement No. 25) is the use of a blended investment rate of return as required under GASB Statement No. 67.

## Actuarial Information (continued)

## Postemployment Healthcare Benefits

Under GASB Statement No. 43, Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans, the Plan's funding for postemployment healthcare benefits as of December 31, 2014, 2013 and 2012 is as follows:

## Funding for Health Insurance Supplement For the Years Ended December 31,

|  | $\underline{2014}$ |  | $\underline{2013}$ |  | $\underline{2012}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Unfunded actuarial accrued liability | \$ | 4,994,927 | \$ | 7,691,833 | \$ | 46,205,891 |
| Funded ratio |  | $\underline{\underline{0.00}} \%$ |  | $\underline{\underline{0.00}} \%$ |  | $\underline{\underline{0.00}} \%$ |

Contributions for postemployment healthcare benefits are made on a "pay-as-you-go" basis resulting in a $0.00 \%$ funded ratio. Public Act 98-0043, effective June 29, 2013, terminates the retiree healthcare subsidy paid by the Plan after December 31, 2016.

## Combined

The Plan actuary has performed a combined actuarial valuation of the pension and health insurance supplement benefits provided by the Plan to measure the overall funded status and contribution requirements of the Plan. The Plan's funding under the combined actuarial valuation as of December 31, 2014, 2013 and 2012 is as follows:

## Funding for Combined Pension and Health Insurance Supplement <br> For the Years Ended December 31,

|  | $\underline{2014}$ | $\underline{2013}$ |  | $\underline{2012}$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Actuarial accrued liability | $\$ 4,343,587,556$ <br> $(988,141,316)$ | $\$, 136,426,376$ <br> $(991,213,282)$ | $\$, 066,343,811$ <br> $(993,283,741)$ |  |
| Actuarial value of assets | $\underline{\underline{\$ 3,355,446,240}}$ | $\underline{\underline{\$, 145,213,094}}$ | $\underline{\underline{\$ 3,073,060,070}}$ |  |
| Unfunded actuarial accrued liability | $\underline{\underline{\$ 23.75} \%}$ | $\underline{\underline{23.96} \%}$ |  | $\underline{\underline{24.43} \%}$ |

## Contact Information

This financial report is designed to provide plan participants, retirees, beneficiaries, the employer and all other interested users with a complete, detailed, easy to understand financial portrait of the Plan at December 31, 2014. Comments, questions or concerns regarding this report or requests for additional information should be addressed to:

Kenneth Kaczmarz<br>Executive Director

Firemen's Annuity and Benefit Fund of Chicago
20 S. Clark Street

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\text { Suite } 1400
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Chicago, IL 60603
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Firemen's Annuity and Benefit Fund of Chicago
Combining Statements of Changes in Pension Plan Fiduciary Net Position and Health Insurance Supplement Plan Net Position
 Contributions
Employer
Property taxes - net
Personal property replacement taxes
Exempt rank funding
Total employer contributions
Plan member
Annuities
Death benefits
Member litigation settlement
Annuities
Death benefits
$\quad$ Total plan member contributions
Investment income
Net appreciation in fair value of investments
Interest
Dividends
Less investment expenses
Net investment income
Securities lending
Income
Borrower rebates
Management fees
Net securities lending income
Gift Fund donations
Miscellaneous income
Tax levy interest
Interest (expense) on Lewis class contributions
Total additions
Firemen's Annuity and Benefit Fund of Chicago


DEDUCTIONS
Benefits
Age and service benefits
Employees
Spouses
Dependents
Total age and service benefits
Disability benefits
Duty
Occupational
Ordinary $\quad$ Total disability benefits
Gift Fund payments
Death benefits
Total benefits
Administrative expenses
Annuitant health care
Litigation settlement
Refunds of contributions
Net increase (DECREASE)
NET POSITIoN
Beginning of year
End of year

# Firemen's Annuity and Benefit Fund of Chicago 

## Notes to Financial Statements

December 31, 2014 AND 2013

## Note 1. Summary of Significant Accounting Policies

Reporting Entity - Accounting principles generally accepted in the United States of America define a financial reporting entity as consisting of the primary government and its component units for which the primary government is financially accountable. Financial accountability includes appointing a voting majority of a component unit's governing board, the ability of a primary government to impose its will on the component unit, or a potential for a component unit to provide specific financial benefits to or impose specific financial burdens on the primary government.

Based on the above criteria, the Firemen's Annuity and Benefit Fund of Chicago (the Plan) is considered to be a component unit of the City of Chicago (the City) and is included in the City's financial statements as a pension trust fund.

New Accounting Pronouncement - In June 2012, GASB issued Statement No. 67, Financial Reporting for Pension Plans. This Statement replaces the requirements of Statement No. 25, Financial Reporting for Defined Benefit Pension Plans and Note Disclosures for Defined Contribution Plans and Statement No. 50, Pension Disclosures, as they relate to pension plans that are administered through trusts or similar arrangements meeting certain criteria. For defined benefit plans, Statement No. 67 establishes standards of financial reporting for separately issued financial reports and specifies the required approach to measuring the pension liability of employer and non-employer contributing entities for benefits provided through the pension plan. This Statement also enhances footnote disclosures and required supplementary information for pension funds.

Method of Accounting - The financial statements are presented using the accrual basis of accounting. Employer contributions are recognized as income pursuant to legal requirements as specified by the Illinois Compiled Statutes. Plan member contributions are recognized in the period in which the contributions are due. Benefits and refunds are recognized when due and payable in accordance with the terms of the Plan.

Investments - Investments are reported at fair value, which generally represents reported market value as of the last business day of the year. Cash deposits and short-term investments are carried at cost which approximates fair value. Pooled funds are carried at fair value as estimated by the Plan's investment managers. Private equity and venture capital are carried at fair value as estimated by the investment partnership. Foreign securities quoted in foreign currencies are translated into U.S. dollars at year end exchange rates.

Capital Assets - The Plan has set a capitalization threshold of \$100,000 for all capital asset types. As of December 31, 2014, the Plan does not have any capital assets.

## Note 1. Summary of Significant Accounting Policies (continued)

Estimates - The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect certain reported amounts and disclosures in the financial statements. Actual results could differ from those estimates.

Subsequent Events - Subsequent events have been evaluated through June 17, 2015, which is the date the financial statements were available to be issued.

## Note 2. Plan Description

The Plan was established in 1931 and is governed by legislation contained in the Illinois Compiled Statutes (the Statutes), particularly 40 ILCS, Act 5, Article 6 (the Article), which specifically and exclusively refers to the Plan. The Plan can be amended only by the Illinois Legislature. The Plan is a single-employer defined benefit pension plan with a defined contribution minimum. The Plan was established for the purpose of providing retirement and disability benefits for employees of the City of Chicago employed under the provisions of the Municipal Personnel Ordinance as fire service and for the dependents of such employees.

The Statutes authorize a Board of Trustees (the Board) of eight members to carry out the provisions of the Article. According to the Article, four members of the Board are ex officio and four are elected by the employee members of the Plan. The four ex officio members are the City Treasurer, the City Clerk, the City Comptroller and the Deputy Fire Commissioner. All members of the Board of Trustees are fiduciaries with respect to the Plan and are statutorily mandated to discharge their duties, as such, solely in the interest of the Plan's participants and beneficiaries.

The Board has the powers and duties required in the Article to collect all contributions due to the Plan, to invest the Plan's reserves, to have an annual audit, to appoint employees, to authorize or suspend payment of any benefit and to have exclusive original jurisdiction in all matters relating to or affecting the Plan. The Board approves its own budget prepared by the Plan's administrative staff. The Board is required annually to submit to the City Council of the City of Chicago a detailed report of the financial affairs and status of the reserves of the Plan. Provisions in other articles of 40 ILCS require the Board to submit its annual audit and actuarial valuation reports to the State of Illinois Department of Insurance, as well as another detailed annual report, the form and content of which are specified by the Department of Insurance.

The Plan provides retirement benefits, as well as, death and disability benefits. Employees who reach compulsory retirement age of 63 , except for emergency medical technicians, which is age 65 , with at least 10 years of service and less than 20 years of service are entitled to receive an annuity of $30 \%$ of average salary for the first ten years of service plus an additional $2 \%$ for each year in excess of 10 years with partial City contributions to a maximum of $50 \%$.

## Note 2. Plan Description (CONTINUED)

At age 50 or more with 10 or more but less than 20 years of service, a Tier 1 employee is entitled to an annuity of the entire sum accumulated for age and service annuity from deductions from salary, plus $1 / 10$ of the sum accumulated from contributions by the City for each completed year of service after the first 10 years. For Tier 2 employees, the annuity is based on an accrual rate of $2.5 \%$ reduced by one half of one percent per month for retirement prior to age 55 , subject to a maximum of $75 \%$.

Employees with at least 20 years of service are entitled to receive a minimum formula annuity upon attainment of age 50 for Tier 1 employees and age 55 for Tier 2 employees, of $50 \%$ of final average salary plus an additional amount equal to $2.5 \%$ of final average salary for each year of service or fraction thereof in excess of 20 years of service. For Tier 1 employees, final average salary is based on the highest average annual salary for any four consecutive years within the last ten years of service immediately preceding the date of retirement. For Tier 2 employees, the final average salary is based on 96 consecutive months within the last 120 months, capped at $\$ 106,800$ indexed annually at the lesser of $3 \%$ and $50 \%$ of the Consumer Price Index (CPI-U). This annuity shall not exceed $75 \%$ of the final average salary. The monthly annuity is increased by $3 \%$ of the original annuity at the first of the month following the later of age 55 or the first anniversary of retirement and by $3 \%$ each first day of January thereafter, if born before January 1, 1955. There is no limit on the increases. If born after January 1, 1955, the monthly annuity is increased by $1.5 \%$ of the original annuity at the first of the month following the later of age 60 or the first anniversary of retirement and $1.5 \%$ on each first day of January thereafter, but not to exceed a total increase of $30 \%$.

Participants should refer to the applicable State Statutes for more complete information.
Any employee of the City employed under the provisions of the Municipal Personnel Ordinance as fire service is covered by the Plan. At December 31, 2014 and 2013, participation in the Plan consisted of the following:

|  | $\underline{2014}$ | $\underline{2013}$ |
| :--- | ---: | ---: |
| Retirees and beneficiaries currently receiving benefits | 4,703 | 4,642 |
| Terminated plan participants entitled to but not yet receiving benefits | 65 | 57 |
| Active plan participants | $\underline{4,809}$ | $\underline{4,685}$ |
| $\quad$ Total participants | $\underline{\underline{9,577}}$ | $\underline{\underline{9,384}}$ |

## Note 3. Employer's Pension Liability

## Net Pension Liability

The components of the net pension liability of the Plan for the years ended December 31, 2014 and 2013 are as follows:

|  | $\underline{2014}$ |  | $\underline{2013}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| Total pension liability | \$ | 4,512,760,079 | \$ | 4,278,212,172 |
| Plan fiduciary net position |  | 1,036,008,401 |  | 1,116,704,857 |
| Employer's net pension liability | \$ | 3,476,751,678 | \$ | 3,161,507,315 |
| Plan fiduciary net position as a percentage of the total pension liability |  | $\underline{\underline{22.96}} \%$ |  | $\underline{\underline{26.10}} \%$ |

See the Schedule of Changes in the Employer's Net Pension Liability and Related Ratios on page 29 of the required supplementary information for additional information related to the funded status of the Plan.

The net pension liability was determined by an actuarial valuation performed as of December 31, 2014 using the following actuarial methods and assumptions:

| Actuarial valuation date | December 31, 2014 |
| :---: | :---: |
| Actuarial cost method | Entry-Age Normal |
| Asset valuation method | 5 year smoothed market |
| Actuarial assumptions: |  |
| Inflation | 3.00\% per year |
| Salary increases | 4.25\% plus additional service based increases. |
| Investment rate of return | 8.00\% per year |
| Retirement age | Experience-based table of rates that are specific to the type of eligibility condition. Last updated for the December 31, 2011, valuation pursuant to an experience study of the period January 1, 2003, through December 31, 2010. |
| Mortality | RP-2000 Combined Health Mortality Table, sex distinct. The mortality table used is a static table and provide an estimated margin of 15 percent for future mortality improvements as of the experience study performed as of December 31, 2011. |
| Disabled mortality | RP-2000 Combined Health Mortality Table, sex distinct, set forward six years |
| Pre-retirement | 80 percent of the post-retirement rates |
| Postretirement annuity increases | Tier 1 participants $-1.50 \%$ simple interest for 20 years for members born in or after 1955, $3.00 \%$ simple interest for life for members born before 1955. Tier 2 participants - the lesser of $3.0 \%$ or one half of the increase in the Consumer Price Index |

## Note 3. Employer's Pension Liability (Continued)

## Net Pension Liability (continued)

The actuarial assumptions used in the December 31, 2014 valuation were based on the results of an actuarial experience study conducted by Gabriel Roeder Smith \& Company which were adopted and effective for the December 31, 2011 valuation.

## Discount Rate

The discount rate used to measure the total pension liability was $7.60 \%$. 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 employer contributions will be made at rates as specified by the Illinois Compiled Statutes. Based on those assumptions, the Plan's fiduciary net position and future contributions are only sufficient to finance future benefit payments of current plan members through the year 2062. A municipal bond rate of $3.56 \%$ was used in the development of the blended discount rate after that point. The $3.56 \%$ rate is based on the state and local bonds rate from the Federal Reserve statistical release (H.15) as of December 31, 2014, (described as Bond Buyer Index, general obligation, 20 years to maturity, mixed quality). Based on the longterm investment rate of return of $8.00 \%$ and the municipal bond rate of $3.56 \%$, the blended discount rate is $7.60 \%$. The blended discount rate was $7.80 \%$ as of December 31, 2013 which was based on the long-term investment rate of return of $8.00 \%$ and a $4.73 \%$ municipal bond rate.

## Discount Rate Sensitivity

The following is an analysis of the net pension liability's sensitivity to changes in the discount rate. The following table presents the net pension liability of the employer using the discount rate of $7.60 \%$ as well as the employer's net pension liability calculated using a discount rate 1 percent lower ( $6.60 \%$ ) and 1 percent higher ( $8.60 \%$ ) than the current discount rate:

|  | Current <br> Discount |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  | 1\% Decrease | Rate |  | 1\% Increase |  |
|  | 6.60\% |  | 7.60\% |  | 8.60\% |
| Net Pension Liability | \$ 3,963,802,628 | \$ | 3,476,751,678 | \$ | 3,060,756,725 |

## Note 4. Summary of Employer Funding Policies

Covered employees are required to contribute $9.125 \%$ of their salary to the Plan. If an employee leaves covered employment without qualifying for an annuity, accumulated contributions are refunded with statutory interest. The City, for its employer portion, is required by the Statutes to contribute the remaining amounts necessary to finance the requirements of the Plan. The City's total contribution is limited to an amount not more than the total amount of contributions made by the employees to the Plan in the calendar year two years prior to the year for which annual applicable tax is levied, multiplied by 2.26 . The source of funds for the City's contribution has been designated by State Statutes as the City's annual property tax levy.

## Note 4. Summary of Employer Funding Policies (CONTINUEd)

Public Act 96-1495, effective as of January 1, 2011, requires that the City finance the Plan on an actuarial basis commencing with the 2015 tax levy year. The funding policy requires future employer contributions, employee contributions and other income to be sufficient to produce a funding level of $90 \%$ by the year ended December 31, 2040.

The combined funding information of the pension and health insurance supplement benefits of the Plan as of December 31, 2014 and 2013 are as follows:

|  | 2014 |  |  |
| :---: | :---: | :---: | :---: |
|  | Pension | Health <br> Insurance Supplement | Combined |
| Normal cost | \$ 71,752,493 | \$ 40 | \$ 71,752,533 |
| Amortization of unfunded liability | 258,053,667 | 2,677,592 | 260,731,259 |
| Interest cost | 13,403,877 | 61,874 | 13,465,751 |
| Estimated member contributions | $(38,944,626)$ | - | $(38,944,626)$ |
| Annual required contribution | 304,265,411 | 2,739,506 | 307,004,917 |
| Estimated employer contribution | (109,528,112) | $(2,640,888)$ | (112,169,000) |
| Employer contribution deficiency | \$ 194,737,299 | \$ 98,618 | \$ 194,835,917 |
| Actuarially determined multiplier |  |  | 6.45 |
| Present authorized multiplier |  |  | 2.26 |


|  | 2013 |  |  |
| :---: | :---: | :---: | :---: |
|  | Pension | Health <br> Insurance <br> Supplement | Combined |
| Normal cost | \$ 72,191,384 | \$ 1,404,028 | \$ 73,595,412 |
| Amortization of unfunded liability | 248,951,563 | 2,714,499 | 251,666,062 |
| Interest cost | 13,051,789 | 95,170 | 13,146,959 |
| Estimated member contributions | $(39,316,841)$ | - | (39,316,841) |
| Annual required contribution | 294,877,895 | 4,213,697 | 299,091,592 |
| Estimated employer contribution | $(106,819,308)$ | (2,712,242) | (109,531,550) |
| Employer contribution deficiency | $\underline{\text { \$ 188,058,587 }}$ | \$ 1,501,455 | \$ 189,560,042 |
| Actuarially determined multiplier |  |  | 6.52 |
| Present authorized multiplier |  |  | 2.26 |

## Note 5. Reserves for Actuarial Liabilities

The reserves for actuarial liabilities are based on an annual valuation submitted by the Plan's consulting actuary. The annual actuarial valuation establishes the reserves required for various statutory liabilities which arise from pension benefit schedules that are part of the current pension code legislation. The pension code legislation can be amended only by the Illinois Legislature.

The Prior Service Annuity Reserve is a reserve account for the accumulation of City contributions to provide for: a) employee and spouse annuities that are based on service performed before the Plan's effective date of July 1, 1931 and b) any excess in minimum annuity formula requirements over the amounts required for age and service annuities, and for spouse annuities.

The City Contribution Reserve is used to accumulate amounts contributed by the City to provide for annuities based on age and service of each employee and spouse. An individual account is maintained for each employee and spouse until the employee retires, at which time the individual account balances are transferred to the Annuity Payment Reserve.

The Salary Deduction Reserve is similarly used to accumulate deductions made from employee salaries for age and service annuities for the employee and spouse. Individual accounts are maintained until the employee retires or withdraws from service before qualifying for an annuity. At retirement, account balances are transferred to the Annuity Payment Reserve. In case an eligible employee elects to take a refund of contributions instead of an annuity, the contribution refund is charged to this reserve.

The Annuity Payment Reserve receives the amounts transferred from the individual accounts in the City Contribution Reserve and the Salary Deduction Reserve when an employee retires and qualifies for an annuity. All age and service annuity payments are charged to this reserve.

The Death Benefit Reserve accumulates contributions from employees and the City for ordinary death benefits. All ordinary death benefits paid are charged to this reserve.

The Ordinary Disability Reserve accumulates contributions from employees and the City for ordinary disability benefits. All ordinary disability benefits paid are charged to this reserve.

The Supplementary Payment Reserve accumulates amounts to provide automatic annual postretirement increases to employee annuitants who retired before September 1, 1959 and amounts in excess of the original annuity grant due to increases in the minimum annuity.

The Gift Reserve accumulates donations to be used to provide an extra benefit to widowed spouse annuitants and orphaned child annuitants.

The Reserve surplus (deficit) represents the difference between the actuarially determined present value of all future pension payments and the value of the Plan's present assets plus the present value of future contributions. A deficit indicates that additional assets will be needed to provide for future benefits, while a surplus indicates that present assets and future contributions exceed the expected requirements for future pension payments.

## Note 5. Reserves for Actuarial Liabilities (CONTINUED)

Net position restricted for pensions as of December 31, 2014 and 2013 were comprised of the following reserve surplus (deficit) balances:

|  | $\underline{2014}$ |  |  | $\underline{2013}$ |
| :---: | :---: | :---: | :---: | :---: |
| Prior Service Annuity Reserve | \$ | 1,901,579,646 | \$ | 1,807,719,302 |
| City Contribution Reserve |  | 793,701,286 |  | 780,689,058 |
| Annuity Payment Reserve |  | 956,431,718 |  | 890,307,515 |
| Salary Deduction Reserve |  | 654,502,027 |  | 643,844,287 |
| Death Benefit Reserve (deficit) |  | $(16,685,210)$ |  | $(15,545,191)$ |
| Ordinary Disability Reserve |  | 394,955 |  | 343,150 |
| Supplementary Payment Reserve |  | 44,310 |  | 88,099 |
| Gift Reserve |  | 7,729,076 |  | 6,573,690 |
| Reserve (deficit) |  | $(3,261,689,407)$ |  | (2,997,315,053) |
| Total fiduciary net position for pension benefits | \$ | 1,036,008,401 | \$ | 1,116,704,857 |

## Note 6. Investments

## Investment Policy

The Board of Trustees is responsible for establishing reasonable and consistent investment objectives, policies and guidelines governing the investment of Plan assets in accordance with the Illinois Compiled Statutes. The Plan is authorized to invest in bonds, notes, certificates of indebtedness, mortgage notes, real estate, stocks, shares, debentures, or other obligations or securities as set forth in the "prudent person" provisions of the Statutes. All of the Plan's financial instruments are consistent with the permissible investments outlined in the State Statutes and any index-linked financial instruments are limited to those indices that replicate the permissible investments outlined in the Statutes. During the year ended December 31, 2014 and 2013, there were no changes to the investment policy.

The Plan's investment policy in accordance with the Illinois Compiled Statutes establishes the following target allocation across asset classes:

## Asset Class

Domestic equities
International equities
Fixed income
Real estate
Alternative investments
Cash deposits \& short-term investments
Total

Long-term
Target Allocation \%

Expected Real Rate of Return
40.00\%
25.00\%
21.00\%
2.00\%
8.00\%
4.00\%
$\underline{\underline{100.00 \%}}$

## Note 6. InVESTMENTS (CONTINUED)

## Long-Term Expected Rate of Return

The long-term expected rate of return on the Plan's investments was determined using an asset allocation study conducted by the Plan's investment management consultant in September 2011 in which best-estimate ranges of expected future real rates of return (net of pension plan investment expense and inflation) 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 Plan's target asset allocation as of December 31, 2014 are listed in the table above.

## Annual Money-Weighted Rate of Return

The annual money-weighted rate of return on pension plan investments, net of pension plan investment expense, was $3.4 \%$ for the year ended December 31, 2014. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

## Investment Summary

The following table presents a summarization of the fair value (carrying amount) of the Plan's investments as of December 31, 2014 and 2013. Investments that represent $5 \%$ or more of the Plan's net position are separately identified.

| Investments | $\underline{2014}$ | $\underline{\underline{2013}}$ |  |
| :--- | ---: | ---: | ---: |
|  | $\$$ | $48,055,082$ | $\$$ |
| Cash deposits and short-term investments | $\$ 2,437,852$ |  |  |
| Corporate bonds | $111,583,549$ |  | $113,836,187$ |
| Equities | $634,792,663$ |  | $705,561,913$ |
| Pooled funds: |  |  |  |
| $\quad$ Fixed income | $24,438,141$ | $29,194,654$ |  |
| $\quad$ Equities | $8,947,288$ | $10,917,811$ |  |
| Private equity and venture capital | $34,370,196$ | $40,336,283$ |  |
| U.S. and Foreign Government obligations | $\underline{60,318,196}$ | $\underline{64,761,452}$ |  |
| $\quad$ Total | $\underline{922,505,115}$ | $\underline{\$ 1,007,046,152}$ |  |

## NOTE 6. InVESTMENTS (CONTINUED)

During 2014 and 2013, net realized gain on investments sold, reflecting the difference between the proceeds received and cost value of securities sold, was $\$ 74,013,652$ and $\$ 97,751,200$ respectively. These amounts are included in the net appreciation in fair value of investments as reported on the Combining Statements of Changes in Pension Plan Fiduciary Net Position and Health Insurance Supplement Plan Net Position. The calculation of realized gains and losses is independent of the calculation of net appreciation (depreciation) in the fair value of plan investments. Investments purchased in a previous year and sold in the current year result in their realized gains and losses being reported in the current year and their net appreciation (depreciation) in plan assets being reported in both the current year and the previous year(s).

The Plan does not isolate that portion of net appreciation (depreciation) in fair value of investments resulting from changes in the foreign exchange rate on investments from fluctuations arising from changes in the market prices of the securities. Such fluctuations are included with net appreciation (depreciation) in fair value of investments. Net realized gains and (losses) on foreign currency transactions represent net exchange gains or losses on closed foreign currency contracts, disposition of foreign currencies, and the difference between the amount of investment income and foreign withholding taxes recorded on the Plan's books and the U.S. dollar equivalent amounts actually received or paid. Net unrealized gains and (losses) on foreign currency transactions arise from changes in the value of open foreign currency contracts and assets and liabilities other than investments at the year end, resulting from changes in the exchange rate.

## Custodial Credit Risk

For deposits, custodial credit risk is the risk that, in the event of a bank failure, the Plan's deposits and collateral securities in the possession of an outside party would not be recoverable. Deposits are exposed if they are not insured or are not collateralized. At December 31, 2014 and 2013, the Plan's exposure to such risk was $\$ 1,022,694$ and $\$ 3,471,952$ respectively, comprised of foreign currencies held outside the custodial bank.

For investment securities, custodial credit risk is the risk that, in the event of the failure of the counter party, the Plan will not be able to recover the value of its investment or collateral securities that are in the possession of an outside party. Investment securities are exposed to custodial credit risk if they are not insured, or are not registered in the Plan's name, and held by the counter party. To minimize custodial credit risk, the Plan's custodian physically (or through agreement with a sub-custodian) maintains possession of securities owned by the Plan. In addition, the Plan seeks to maintain a fully invested position in accordance with established target asset allocation and minimize cash deposits. At December 31, 2014 and 2013, the Plan had no investments that were uninsured and unregistered, with securities held by the counterparty, or by its trust department or agent, but not held in the Plan's name.

## Note 6. Investments (CONTINUED)

## Credit Risk

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. U.S. Government obligations or obligations explicitly guaranteed by the U.S. Government are not considered to have credit risk and do not require disclosure of credit quality. The Plan establishes minimum investment rating guidelines for each investment manager based on their area of concentration and level of allowable risk. The following table presents a summarization at December 31, 2014 and 2013 of the lowest credit quality rating of investments in corporate bonds, foreign government obligations, short-term investments, and fixed income mutual funds as valued by Moody's Investors Service and/or Standard \& Poor's, as applicable:

| Type of Investment | Rating |  | $\underline{2014}$ |  | $\underline{2013}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Cash deposits and short-term investments | Not Rated | \$ | 48,055,082 | \$ | 42,437,852 |
| Corporate bonds | Aaa/AAA | \$ | 4,974,083 | \$ | 5,607,278 |
|  | $\mathrm{Aa} / \mathrm{AA}$ |  | 3,009,473 |  | 4,689,814 |
|  | A/A |  | 13,648,286 |  | 15,288,260 |
|  | Baa/BBB |  | 36,721,996 |  | 40,036,453 |
|  | $\mathrm{Ba} / \mathrm{BB}$ |  | 20,849,408 |  | 16,696,649 |
|  | B/B |  | 9,274,254 |  | 7,865,390 |
|  | $\mathrm{Caa} / \mathrm{CCC}$ |  | 3,726,112 |  | 3,688,880 |
|  | $\mathrm{Ca} / \mathrm{CC}$ |  | 572,181 |  | 485,658 |
|  | C/C |  | 349,781 |  | 20,250 |
|  | D/D |  | 528,180 |  | 76,000 |
|  | Not Rated |  | 8,083,223 |  | 11,236,365 |
| U.S. Government Guaranteed |  |  | 9,846,572 |  | 8,145,190 |
|  |  | \$ | 111,583,549 | \$ | 113,836,187 |
| Pooled funds - fixed income | Not Rated | \$ | 24,438,141 | \$ | 29,194,654 |
| U.S. and Foreign Government obligations | Aaa/AAA | \$ | 7,478,347 | \$ | 10,095,430 |
|  | Aa/AA |  | 10,332,204 |  | 14,628,776 |
|  | A/A |  | 5,476,966 |  | 1,329,058 |
|  | Baa/BBB |  | 2,885,973 |  | 5,666,964 |
|  | $\mathrm{Ba} / \mathrm{BB}$ |  | 580,078 |  | 934,476 |
|  | Not Rated |  | 3,289,842 |  | 966,832 |
| U.S. Government Guaranteed |  |  | 30,274,786 |  | 31,139,916 |
|  |  | \$ | 60,318,196 | \$ | 64,761,452 |

## NOTE 6. InVESTMENTS (CONTINUED)

## Interest Rate Risk

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. Investments held for longer periods are subject to increased risk of adverse interest rate changes. Investments are diversified to minimize the risk of loss resulting from overconcentration of assets in a specific maturity period, a single issuer, or an individual class of securities. The Plan requires investment managers to display an overall level of interest rate risk that is consistent with the benchmark specified by the Plan. The following table presents a summarization of debt investments at December 31, 2014 and 2013 using the segmented time distribution method:

| Type of Investment | Maturity |  | $\underline{2014}$ |  | $\underline{2013}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Cash deposits and short-term investments | Less than 1 year | \$ | 48,055,082 | \$ | 42,437,852 |
| Corporate bonds | Less than 1 year | \$ | 1,753,197 | \$ | 4,617,628 |
|  | 1-5 years |  | 16,030,450 |  | 18,298,613 |
|  | 5-10 years |  | 41,633,921 |  | 34,490,072 |
|  | Over 10 years |  | 52,165,981 |  | 56,429,874 |
|  |  | \$ | 111,583,549 | \$ | 113,836,187 |
| Pooled funds - fixed income | Less than 1 year | \$ | 2,098,716 | \$ | 2,421,102 |
|  | 1-5 years |  | 22,339,425 |  | 3,136,002 |
|  | 5-10 years |  | - |  | 23,637,550 |
|  |  | \$ | 24,438,141 | \$ | 29,194,654 |
| U.S. and Foreign Government obligations | Less than 1 year | \$ | 2,496,829 | \$ | 2,345,374 |
|  | 1-5 years |  | 14,669,417 |  | 15,748,211 |
|  | 5-10 years |  | 14,419,357 |  | 16,333,790 |
|  | Over 10 years |  | 28,732,593 |  | 30,334,077 |
|  |  | \$ | 60,318,196 | \$ | 64,761,452 |

## Note 6. Investments (CONTINUED)

## Foreign Currency Risk

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or a deposit. The Plan requires investment managers to invest in at least ten countries if investing in foreign obligations and/or equities. The Plan's exposure to foreign currency risk at December 31, 2014 and 2013 is as follows:

|  | $\begin{gathered} \text { Fair Value } \\ \text { (USD) } \\ \underline{2014} \end{gathered}$ |  | $\begin{gathered} \text { Fair Value } \\ \text { (USD) } \\ \underline{2013} \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| Type of Investment |  |  |  |  |
| Corporate bonds: |  |  |  |  |
| Australian dollar | \$ | 576,849 | \$ | 635,713 |
| Brazilian real |  | 316,116 |  | 343,711 |
| British pound |  | 356,827 |  | 354,408 |
| Canadian dollar |  | - |  | 143,098 |
| European euro |  | 223,588 |  | 1,547,861 |
| Mexican peso |  | 406,839 |  | 419,862 |
| New Zealand dollar |  | - |  | 680,663 |
| U.S. dollar |  | 109,703,330 |  | 109,710,871 |
|  | \$ | 111,583,549 | \$ | 113,836,187 |
| Pooled funds: |  |  |  |  |
| Canadian dollar | \$ | - | \$ | 58,153 |
| U.S. dollar |  | 33,385,429 |  | 40,054,312 |
|  | \$ | 33,385,429 | \$ | 40,112,465 |
| U.S. and Foreign Government obligations: |  |  |  |  |
| Brazilian Real | \$ | 644,083 | \$ | 296,688 |
| Canadian dollar |  | - |  | 1,885,107 |
| Chilean Peso |  | 324,578 |  | - |
| European euro |  | - |  | 1,515,160 |
| Mexican peso |  | 3,676,977 |  | 2,963,093 |
| New Zealand dollar |  | 227,861 |  | 763,330 |
| Philippines peso |  | 986,920 |  | 1,023,825 |
| U.S. dollar |  | 54,457,777 |  | 56,314,249 |
|  | \$ | 60,318,196 | \$ | 64,761,452 |

## Note 6. Investments (CONTINUED)

## Foreign Currency Risk (continued)

|  |  | $\begin{gathered} \text { Fair Value } \\ \text { (USD) } \\ \underline{2014} \end{gathered}$ |  | $\begin{gathered} \text { Fair Value } \\ \text { (USD) } \\ \underline{2013} \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| Type of Investment |  |  |  |  |
| Equities: |  |  |  |  |
| Australian dollar | \$ | 3,114,290 | \$ | 3,796,322 |
| Brazilian real |  | 4,916,111 |  | 6,170,583 |
| British pound |  | 38,614,339 |  | 49,891,959 |
| Canadian dollar |  | 8,031,965 |  | 5,896,189 |
| Chilean peso |  | 294,668 |  | 370,980 |
| Czech koruna |  | 178,043 |  | 91,091 |
| Danish krone |  | 1,804,069 |  | 1,584,200 |
| Egyptian pound |  | 249,152 |  | 193,165 |
| European euro |  | 46,027,686 |  | 60,495,696 |
| Hong Kong dollar |  | 14,465,523 |  | 14,574,241 |
| Hungarian forint |  | 112,458 |  | 146,434 |
| Indian rupee |  | 6,091,334 |  | 4,631,132 |
| Indonesian rupiah |  | 1,564,808 |  | 711,017 |
| Israeli shekel |  | 531,012 |  | 202,380 |
| Japanese yen |  | 40,041,013 |  | 43,249,727 |
| Malaysian ringgit |  | 1,249,733 |  | 1,413,958 |
| Mexican peso |  | 2,029,287 |  | 1,919,480 |
| New Zealand dollar |  | 168,916 |  | 297,778 |
| Nigerian naira |  | - |  | 101,128 |
| Norwegian krone |  | 1,956,223 |  | 2,625,778 |
| Pakistan rupee |  | 301,674 |  | 333,918 |
| Philippines peso |  | 259,255 |  | 156,082 |
| Polish zlotych |  | 488,096 |  | 534,856 |
| Singapore dollar |  | 580,596 |  | 779,350 |
| South African rand |  | 3,727,042 |  | 3,368,854 |
| South Korean won |  | 8,667,942 |  | 11,545,186 |
| Swedish krona |  | 3,740,329 |  | 2,622,377 |
| Swiss franc |  | 8,465,150 |  | 9,594,536 |
| Taiwan dollar |  | 5,175,212 |  | 5,707,533 |
| Thailand baht |  | 1,533,670 |  | 926,629 |
| Turkish lira |  | 573,125 |  | 429,947 |
| United Arab Emirates dirham |  | 104,014 |  | 34,606 |
| U.S. dollar |  | 429,735,928 |  | 471,164,801 |
|  | \$ | 634,792,663 | \$ | 705,561,913 |

## Note 7. Securities Lending

State Statutes and the Board of Trustees permit the Plan to lend its securities to broker-dealers and other entities with a simultaneous agreement to return collateral for the same securities in the future. The Plan's custodian, acting as the lending agent, lends securities for collateral in the form of cash, U.S. Government obligations and irrevocable letters of credit equal to $102 \%$ of the fair value of domestic securities plus accrued interest and $105 \%$ of the fair value of foreign securities plus accrued interest. The Plan is not restricted as to the type or amount of securities it may loan. The Plan does not have the right to sell or pledge securities received as collateral unless the borrower defaults.

The average term of securities loaned was 55 days in 2014 and 55 days in 2013; however, any loan may be terminated on demand by either the Plan or the borrower. Cash collateral may be invested in a short-term investment pool, which had an average weighted maturity at December 31, 2014 and 2013 of 37 days and 37 days, respectively. Cash collateral may also be invested in term loans in which the investments (term loans) match the term of the securities loaned.

As of December 31, 2014 and 2013, the fair value (carrying amount) of loaned securities was $\$ 156,276,791$ and $\$ 165,131,339$ respectively. As of December 31, 2014 and 2013, the fair value (carrying amount) of cash collateral received by the Plan was $\$ 160,968,881$ and $\$ 168,963,442$ respectively. The cash collateral is included as an asset and a corresponding liability on the statements of plan net position. As of December 31, 2014 and 2013 the fair value (carrying amount) of non-cash collateral received by the Plan was $\$ 0$.

Although the Plan's securities lending activities are collateralized as described above, they involve both market and credit risk. In this context, market risk refers to the possibility that the borrower of securities will be unable to collateralize the loan upon a sudden material change in the fair value of the loaned securities. Credit risk refers to the possibility that counterparties involved in the securities lending program may fail to perform in accordance with the terms of their contracts.

Indemnification deals with the situation in which a client's securities are not returned due to the insolvency of a borrower. The contract with the lending agent requires it to indemnify the Plan if borrowers fail to return the securities (and if the collateral is inadequate to replace the securities lent) or fail to pay the Plan for income distributions by the issuers of securities while the securities are on loan.

There were no losses due to default of a borrower or the lending agent during the years ended December 31, 2014 and 2013.

A summary of securities loaned at fair value as of December 31:

|  | $\underline{2014}$ | $\underline{2013}$ |  |
| :--- | ---: | ---: | ---: |
| Corporate bonds | $\$$ | $9,449,189$ | $\$ 12,454,146$ |
| Equities | $141,247,084$ | $144,031,022$ |  |
| U.S. and Foreign Government obligations | $\frac{5,580,518}{}$ |  | $8,646,171$ |
| $\quad$ Total | $\underline{\$ 156,276,791}$ | $\underline{\$ 165,131,339}$ |  |

## Note 8. Derivatives

The Plan invests in derivative financial instruments as provided by the Plan's statement of investment policy. The Plan uses derivative financial instruments to gain exposure to an asset class or manage portfolio risk. A derivative security is a financial contract whose value is based on, or "derived" from, a traditional security, an asset, or a market index. Derivative instruments include options, forward contracts, swaps, and futures as part of the Plan's portfolio. Derivative transactions involve, to varying degrees, credit risk, interest rate risk and market risk. Credit risk is the possibility that a loss may occur because a party to a transaction fails to perform according to the previously agreed upon terms. Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. Market risk is the possibility that a change in interest or currency rates will cause the value of a financial instrument to decrease or become more costly to settle.

The Plan's portfolio includes the following derivative instruments at December 31, 2014 and 2013:

| Derivative | 2014 |  | 2013 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Notional Value | Fair <br> Value | Notional Value | Fair <br> Value |
| Options | \$ | \$ $(4,009)$ | \$ | \$ 12,906 |
| Futures purchase commitments | $(45,425,400)$ | - | $(15,936,557)$ | - |
| Futures sales commitments | 45,425,400 | - | 15,936,557 | - |
| Swap assets | 556,188 | 17,046 | 193,697 | 6,021 |
| Swap liabilities | - | - | (1,030,000) | $(89,524)$ |
| Total | \$ 556,188 | \$ 13,037 | \$ (836,303) | \$ (70,597) |

The Plan uses options to reduce the risk of holding an asset. An option is a contract that conveys the right, but not the obligation, to buy (call) or sell (put) an item at an agreed upon price during a certain period of time or on a specific date. For both of the years ended December 31, 2014 and 2013, the options expire approximately two to six months after year end.

Futures contracts are used to provide exposure to an asset class using uninvested cash. These contracts are a legally binding agreement, made on the trading floor of a futures exchange, to buy or sell a commodity or financial instrument sometime in the future. Futures contracts have little credit risk, as organized exchanges are the guarantors. For the years ended December 31, 2014 and 2013, the futures contracts mature from one month to 3.5 years after year end.

Swaps are used by the Plan to hedge certain risks such as interest rate risk, or to speculate on changes in the underlying price of an asset. Traditionally, a swap is the exchange of one security for another to change the maturity, quality, structure of an issue, or because investment objectives have changed. For the year ended December 31, 2014, the swaps have maturity dates ranging from June 2019 through June 2036. For the year ended December 31, 2013, the swaps have maturity dates ranging from June 2018 through June 2036.

## NOTE 8. DERIVATIVES (CONTINUED)

The Plan's derivative instruments are reported at fair value in equity investments on the combining statements of pension plan fiduciary net position and health insurance supplement plan net position. The gain or loss on derivative instruments is reported as part of investment income on the combining statements of changes in pension plan fiduciary net position and health insurance supplement plan net position.

## Note 9. Employer Contributions Receivable - Net

Employer contributions receivable at December 31, 2014 and 2013 consist of the following:
$\underline{2014}$

| $\$ 88,277,752$ | $\$ 88,500,357$ |
| ---: | ---: |
| $32,215,124$ | $29,423,124$ |
| $(9,628,476)$ | $(9,773,519)$ |
| $\$ 110,864,400$ | $\underline{\$ 108,149,962}$ |

## Note 10. Health Insurance Supplement Plan

## Plan Description

The City offers group health benefits to annuitants and their eligible dependents through the City of Chicago Annuitant Medical Benefits Program (the Program). The Plan and the City share in the cost of providing health care coverage to the annuitants or their surviving spouses who elect to participate in the Program. The Plan, in accordance with State Statutes, subsidizes the cost of monthly group health care premiums up to $\$ 95$ per month for non-Medicare recipients and $\$ 65$ per month for Medicare recipients. The remaining cost to participate in the Program is borne by the City of Chicago and the annuitant.

Public Act 98-0043, effective June 28, 2013, terminates the retiree healthcare subsidy paid by the Plan after December 31, 2016.

At December 31, 2014 and 2013, the number of annuitants or surviving spouses whose cost to participate in the Program was subsidized totaled 2,948 and 3,102 respectively.

## Note 10. Health Insurance Supplement Plan (Continued)

## Summary of Significant Accounting Policies

Actuarial Cost Method - Entry age normal
Actuarial Value of Assets - No assets (pay-as-you-go)
Amortization Method - Level dollar
Amortization Period - 3 year closed period commencing December 31, 2013.
Projected Salary Increases - 4.25\% per year, plus an additional percentage related to service and promotion.

Health Care Cost Trend Rate - 0.0\% (fixed dollar subsidy)
Discount Rate - 4.5\% per year
Inflation Rate Assumption - 3.0\% per year
Method of Accounting - The Health Insurance Supplement Plan's financial statements have been combined with the Plan's financial statements and are presented using the accrual basis of accounting. The Plan considers the premium subsidy an additional retirement benefit, with no contribution rate or asset allocation associated with it.

Contributions - The Plan funds the Health Insurance Supplement Plan on a "pay-as-you-go" basis.

Administrative Costs - Administrative costs associated with the Health Insurance Supplement Plan are paid by the Plan's employer contributions.

Actuarial Valuations - Actuarial valuations of the Plan involve estimates of the value of reported amounts and assumptions about the probability of events far into the future. Actuarially determined amounts are subject to continual revision as results are compared to past expectations and new estimates are made about the future. Actuarial calculations of the Plan reflect a long-term perspective and are based on the benefits provided under the terms of the Plan in effect at the time of each valuation and on the historical pattern of sharing of costs between the employer and Plan members to that point.

## Note 10. Health Insurance Supplement Plan (continued)

## Funded Status and Funding Progress

As of December 31, 2014, the most recent actuarial valuation date, the Health Insurance Supplement Plan was $0 \%$ funded on an actuarial basis. The actuarial accrued liability for benefits was $\$ 4,994,927$ and the actuarial value of assets was $\$ 0$, resulting in an unfunded actuarial accrued liability (UAAL) of $\$ 4,994,927$. The covered payroll (annual payroll of active employees covered by the Plan) was $\$ 460,189,982$ and the ratio of the UAAL to the covered payroll was $1.09 \%$.

The Schedule of Funding Progress, presented as Required Supplementary Information (RSI) following the notes to the financial statements, presents multi-year trend information about whether the actuarial values of the Plan assets are increasing or decreasing over time relative to the actuarial accrued liability for benefits.

## Note 11. Deferred Compensation Plan

The Plan offers its employees a deferred compensation plan established in accordance with Internal Revenue Code Section 457. The deferred compensation plan, which is funded through employee contributions, is available to all Plan employees and permits them to defer a portion of their salary until future years. Participation in the deferred compensation plan is optional. The deferred compensation is managed by a third party administrator. The assets of the deferred compensation plan are placed in trust with the third party for the exclusive benefit of the participants and their beneficiaries and are not considered assets of the Plan.

## Note 12. Related Party Transactions

The Plan has allowed the Ende, Menzer, Walsh \& Quinn Retirees', Widows' and Children's Assistance Fund (the Corporation) to utilize its facilities and equipment to accommodate the once a year distribution to widows and orphans in December at no additional expense to the Plan. This distribution by the Corporation, to the widows and orphans, had been handled by the Plan.

Three of the Plan's Trustees and the Executive Director are also directors of the Ende, Menzer, Walsh \& Quinn Retirees', Widows' and Children's Assistance Fund.

During the years ended December 31, 2014 and 2013, the Firemen's Annuity and Benefit Fund of Chicago contributed $\$ 500,000$ and $\$ 450,000$ respectively, to the Ende, Menzer, Walsh \& Quinn Retirees', Widows' and Children's Assistance Fund from the balances in the gift reserve account as allowed under the discretionary authority granted by 40ILCS Act 5, Article 6-202 to render financial assistance to qualified widows and children annuitants of the participants of the Firemen's Annuity and Benefit Fund of Chicago.

## Note 13. Commitments

The Plan has a total capital commitment to twelve limited partnerships totaling $\$ 65,500,000$. As of December 31, 2014, $\$ 49,805,842$ has been invested, leaving a commitment of $\$ 15,694,158$.

## Note 14. Lease Agreements

The Plan leases office facilities with lease payments subject to an escalation clause for increases in real estate taxes and maintenance charges. The lease runs through March 2020.

During 2006, the Plan entered into a noncancelable operating lease for office space for disaster recovery at an offsite facility which is subject to an escalation clause for increases in real estate taxes and maintenance charges. The lease runs through September 2016.

Rental expense for 2014 and 2013 was $\$ 225,904$ and $\$ 212,467$ respectively.
Future minimum rental payments required under the noncancelable operating leases are as follows:

| Year ending December 31, |  |  |
| :---: | ---: | ---: |
| 2015 | $\$ \quad 171,845$ |  |
| 2016 |  | 162,798 |
| 2017 |  | 123,307 |
| 2018 | 127,221 |  |
| 2019 |  | 131,136 |
| 2020 |  | 33,273 |
| Total | $\underline{\$ \quad 749,580}$ |  |

## Note 15. Pronouncements Issued Not Yet Effective

In June 2012, GASB issued Statement No. 68, Accounting and Financial Reporting for Pensions. This Statement replaces the requirements of Statement No. 27, Accounting for Pensions by State and Local Governmental Employers, and Statement No. 50, Pension Disclosures, as they relate to pensions that are provided through pension plans administered as trusts or similar arrangements that meet certain criteria. Statement No. 68 details the recognition and disclosure requirements for employers with liabilities to a defined benefit pension plan and for employer whose employees are provided with defined contribution pensions. Statement No. 68 is effective for the Plan's fiscal year ending December 31, 2015.

In November 2013, GASB issued Statement No. 71, Pension Transition for Contributions made Subsequent to the Measurement Date - an Amendment of GASB Statement No. 68. This standard requires that, at transition, a government recognize a beginning deferred outflow of resources for its pension contributions, if any, made subsequent to the measurement date of the beginning net pension liability. Statement No. 71 is effective for the Plan's fiscal year ending December 31, 2015.

## Note 15. Pronouncements Issued Not Yet Effective (Continued)

In March 2015, GASB issued Statement No. 72, Fair Value Measurement and Application, which provides guidance for fair value measurement and application. The Statement defines fair value, provides guidance for determining fair value measurement for financial reporting purposes and specifies required disclosures related to fair value measurements. Statement No. 72 is effective for the Plan's fiscal year ending December 31, 2016.

In June 2015, GASB issued Statement No. 73, Accounting and Financial Reporting for Pensions and Related Assets that are not within the Scope of GASB Statement No. 68, and Amendments to Certain Provisions of GASB Statements 67 and 68. This Statement establishes requirements for pension plans that are not administered through a trust (not covered by Statements 67 and 68). The requirements in this Statement for reporting pensions generally are the same as Statement 68, however, the lack of a trust that meets specified criteria is reflected in the measurements. Statement No. 73 is effective for the Plan's fiscal year ending December 31, 2016, except for provisions that address employers and governmental nonemployer contributing entities for pensions that are not within the scope of GASB Statement No. 68, which are effective for the Plan's fiscal year ending December 31, 2017.

In June 2015, GASB issued Statement No. 74, Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans. This Statement replaces the requirements of Statement No. 43, Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans. This Statement addresses the financial reports of defined benefit Other Postemployment Benefit Plans that are administered through trusts that meet specified criteria. The Statement requires more extensive note disclosures and required supplementary information related to the measurement of the Other Postemployment Benefit liabilities for which assets have been accumulated, including information about the annual money-weighted rates of return on plan investments. Statement No. 74 is effective for the Plan's fiscal year ending December 31, 2017.

In June 2015, GASB issued Statement No. 75, Financial Reporting for Postemployment Benefits Other Than Pensions. This Statement replaces the requirements of Statement No. 45, Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions. This Statement requires governments to report a liability on the financial statements for the Other Postemployment Benefits that they provide. The Statement also requires more extensive note disclosures and required supplementary information about the Other Postemployment Benefit liabilities. Statement No. 75 is effective for the Plan's fiscal year ending December 31, 2018.

The Plan is currently evaluating the impact of adopting the above GASB Statements.

## Note 16. Subsequent Event

On May 31, 2015 Senate Bill 777 was passed by the State of Illinois Legislature. The bill has not been sent to the governor, nor enacted into law, as of the date of this report. Should this bill become law, the Plan will provide additional reporting that will address the impact to the Plan.

## Required Supplementary Information - Pension

# Firemen's Annuity and Benefit Fund of Chicago 

## Required Supplementary Information - Pension

## Schedule of Changes in the Employer's Net Pension Liability and Related Ratios

December 31, 2014

| Total pension liability |  |
| :---: | :---: |
| Service cost | \$ 83,095,601 |
| Interest | 329,965,941 |
| Changes of benefit terms |  |
| Difference between expected and actual experience | - - |
| Changes of assumptions | 88,448,895 |
| Expected benefit payments, including refunds of employee contributions | $(263,893,338)$ |
| Pension plan administrative expense | $(3,069,192)$ |
| Net change in total pension liability | 234,547,907 |
| Total pension liability |  |
| Beginning of year | 4,278,212,172 |
| End of year | \$4,512,760,079 |
| Plan fiduciary net position |  |
| Contributions - employer | \$ 107,334,399 |
| Contributions - employee | 48,056,393 |
| Net investment income | 30,867,889 |
| Expected benefit payments, including refunds of employee contributions | $(263,893,338)$ |
| Administrative expenses | $(3,069,192)$ |
| Other | 7,393 |
| Net change in plan fiduciary net position | $(80,696,456)$ |
| Plan fiduciary net position |  |
| Beginning of year | 1,116,704,857 |
| End of year | \$1,036,008,401 |
| Employer's net pension liability | \$3,476,751,678 |
| Plan fiduciary net position as a percentage of the total pension liability | $\underline{\underline{22.96 \%}}$ |
| Covered-employee payroll | \$ 460,189,982 |
| Employer's net pension liability as a percentage of covered-employee payroll | $\underline{755.50} \%$ |





le of Employer Contributions
Last Ten Fiscal Years Required Supplementary Information .- Pension Firemen's Annuity and Benefit Fund of Chicago

# Firemen's Annuity and Benefit Fund of Chicago <br> Required Supplementary Information - Pension <br> Schedule of Investment Returns 

December 31, 2014

Annual money-weighted rate of return, net of investment expense $3.4 \%$

See report of independent auditors.

Required Supplementary Information Health Insurance Supplement

# Firemen's Annuity and Benefit Fund of Chicago 

Required Supplementary Information - Health Insurance Supplement

## Schedule of Funding Progress


(1) Public Act 98-0043, effective June 28, 2013, terminates the retiree healthcare subsidy paid by the Plan after December 31, 2016.

See accompanying notes to schedule of funding progress and schedule of employer contributions.

# Firemen's Annuity and Benefit Fund of Chicago <br> Required Supplementary Information - Health Insurance Supplement <br> Schedule of Employer Contributions 

$\left.\begin{array}{cccc} & \begin{array}{c}\text { Annual } \\ \text { Required } \\ \text { Contribution } \\ \text { Year Ended } \\ \text { December 31, }\end{array} & \begin{array}{c}\text { ARC) (a) } \\ \text { Employer } \\ \text { Contribution } \\ \text { (b) }\end{array} & \begin{array}{c}\text { Percent of } \\ \text { ARC }\end{array} \\ \hline 2009 & \$ & 4,370,229 & \$ \\ \text { Contributed } \\ \text { (b/a) }\end{array}\right]$

See accompanying notes to schedule of funding progress and schedule of employer contributions.

# Firemen's Annuity and Benefit Fund of Chicago 

# Required Supplementary Information - Health Insurance Supplement <br> Notes to Scheddle of Funding Progress and Schedule of Employer Contributions 

The information presented in the required supplementary schedules was determined as part of the actuarial valuation at the date indicated. Additional information as of the latest actuarial valuation follows:

Valuation date
Actuarial cost method
Actuarial value of assets
Amortization method
Remaining Amortization period
Actuarial assumptions
Discount rate

Inflation

Health care cost trend rate

Projected salary increases

December 31, 2014
Entry Age Normal
No assets (Pay-as-you-go)
Level Dollar
3 year closed
4.50\% per year
$3.00 \%$ per year
$0.00 \%$ (fixed dollar subsidy)
4.25\% per year plus an additional percentage related to service and promotion

## SUPPLEMENTARY INFORMATION

# Firemen's Annuity and Benefit Fund of Chicago <br> SUPPLEMENTARY Information 

## Schedules of Administrative Expenses

Years Ended December 31, 2014 and 2013

2014

| $\$ 29,001$ | $\$$ | 25,630 |
| ---: | ---: | ---: |
| 380,879 |  | 431,631 |
| 38,015 |  | 29,950 |
| 168,073 |  | 150,204 |
| 156,653 |  | 155,520 |
| $1,574,975$ |  | $1,520,102$ |
| 53,716 |  | 50,651 |
|  |  |  |
|  | 6,000 |  |
| 71,720 |  | 69,000 |
| 36,000 |  | 35,000 |
| 18,311 |  | 18,311 |
| 202,631 |  | 304,263 |
| 103,081 |  | 90,206 |
| 3,987 |  | 2,771 |
| 225,904 |  | 212,467 |
|  | $3,066,946$ |  |
|  |  |  |

# Firemen's Annuity and Benefit Fund of Chicago 

## SUPPLEMENTARY INFORMATION

## Schedules of Investment Expenses

Years Ended December 31, 2014 and 2013

|  | $\underline{2014}$ |  | $\underline{2013}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| Investment manager expenses |  |  |  |  |
| Adams Street Partners, LLC | \$ | 190,641 | \$ | 261,709 |
| Advent Capital Management, LLC |  | - |  | 126,745 |
| Apollo Global Management, LLC |  | 78,520 |  | 74,815 |
| BA Partners |  | 81,215 |  | 140,445 |
| Brandes Investment Partners |  | 386,242 |  | 396,505 |
| Brown Advisory |  | 244,287 |  | 98,422 |
| Chicago Equity Partners, LLC |  | 76,464 |  | 82,823 |
| Credit Suisse |  | 21,894 |  | 23,013 |
| Earnest Partners, LLC |  | 153,797 |  | 141,214 |
| Epoch Investment Partners, Inc. |  | 365,245 |  | 342,508 |
| GlobeFlex Capital, L.P. |  | 480,978 |  | 464,015 |
| Jackson Square (Formerly Delaware Investments) |  | 264,686 |  | 281,208 |
| Keeley Asset Management Corp. |  | 195,790 |  | 204,610 |
| Kennedy Capital Management |  | 223,779 |  | 229,808 |
| Logan Capital Management, Inc. |  | 184,704 |  | 207,557 |
| Loomis, Sayles \& Company, L.P. |  | 280,834 |  | 284,778 |
| LSV Asset Management |  | 418,199 |  | 400,545 |
| Marvin \& Palmer Associates, Inc. |  | - |  | 154,759 |
| Mesirow Financial |  | 78,970 |  | 89,199 |
| Metropolitan West Capital Management, LLC |  | 224,388 |  | 241,534 |
| Muller \& Monroe Asset Management, LLC |  | 10,716 |  | 10,773 |
| Neuberger Berman |  | 395,211 |  | 416,748 |
| Northern Trust |  | 323,402 |  | 322,190 |
| Pomona Management LLC |  | 188,213 |  | 346,018 |
| Rhumbline Advisers |  | 22,720 |  | 23,108 |
| The Boston Company Asset Management, LLC |  | 184,525 |  | 197,092 |
| Western Asset Management Company |  | 208,456 |  | 205,414 |
| William Blair \& Company |  | 393,970 |  | 398,175 |
|  |  | 5,677,846 |  | 6,165,730 |
| Investment consulting fees |  |  |  |  |
| Callan Associates Inc. |  | 253,305 |  | 249,561 |
| Investment custodian fees |  |  |  |  |
| Northern Trust |  | 57,500 |  | 57,500 |
| Total investment expenses | \$ | 5,988,651 | \$ | 6,472,791 |

## Firemen's Annuity and Benefit Fund of Chicago

## SUPPLEMENTARY INFORMATION

Additions by Source

|  | Net Investment and Net Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year Ended | Employer | Plan Member | Lending |  |  |  | Total |
| December 31, | Contributions | Contributions |  |  | Other |  |  |
| 2009 | \$ 91,856,806 | \$ 41,604,787 | \$ 208,537,084 | \$ | 36,804 | \$ | 342,035,481 |
| 2010 | \$ 83,591,601 | \$ 41,730,194 | \$ 150,834,484 | \$ | 30,282 | \$ | 276,186,561 |
| 2011 | \$ 85,498,002 | \$ 51,917,510 | \$ (22,450,374) | \$ | 33,594 | \$ | 114,998,732 |
| 2012 | \$ 84,144,328 | \$ 53,272,730 | \$ 135,196,492 | \$ | 3,459,687 | \$ | 276,073,237 |
| 2013 | \$ 106,219,800 | \$ 42,520,218 | \$ 190,532,880 | \$ | $(57,079)$ | \$ | 339,215,819 |
| 2014 | \$ 109,805,454 | \$ 48,056,393 | \$ 30,863,888 | \$ | 11,394 | \$ | 188,737,129 |

Deductions by Type

| Year Ended <br> December 31, | Benefits |  | Administrative <br> Expenses | Annuitant <br> Health <br> Care |  | $\underline{\text { Other }}$ |  | Total <br> Deductions |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2009 | $\$ 196,391,656$ | $\$$ | $3,021,756$ | $\$$ | $2,645,135$ | $\$$ | $2,526,229$ | $\$ 204,584,776$ |
| 2010 | $\$ 213,159,055$ | $\$$ | $3,047,179$ | $\$$ | $2,644,290$ | $\$$ | $2,901,987$ | $\$ 221,752,511$ |
| 2011 | $\$ 218,897,479$ | $\$$ | $3,212,515$ | $\$$ | $2,628,163$ | $\$$ | $2,565,203$ | $\$ 227,303,360$ |
| 2012 | $\$ 228,585,731$ | $\$$ | $3,063,965$ | $\$$ | $2,622,445$ | $\$$ | $3,151,847$ | $\$ 237,423,988$ |
| 2013 | $\$ 247,057,741$ | $\$$ | $3,101,827$ | $\$$ | $2,550,785$ | $\$$ | $2,223,407$ | $\$ 254,933,760$ |
| 2014 | $\$ 261,571,672$ | $\$$ | $3,066,946$ | $\$$ | $2,471,055$ | $\$$ | $2,323,912$ | $\$ 269,433,585$ |

