NHRS

New Hampshire Retirement System A Component Unit Of The State Of New Hampshire

> Comprehensive Annual Financial Report For The Fiscal Year Ended June 30, 2016



NEW HAMPSHIRE RETIREMENT SYSTEM

INTRODUCTORY SECTION

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Cover Design and Layout: Christine Basha, NHRS Public Information Office Board and Staff Photos: Bogacz Photography/Digital Media, Concord, NH 603.228.1229 Design and Layout: Debbie K Graphics, Franklin, NH 603.344.9812 COMPREHENSIVE ANNUAL FINANCIAL REPORT FOR THE FISCAL YEAR ENDED JUNE 30, 2016

A Component Unit of the State of New Hampshire

Prepared by New Hampshire Retirement System 54 Regional Drive Concord, New Hampshire 03301-8507 www.nhrs.org

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LETTER FROM THE CHAIR



New Hampshire Retirement System 54 Regional Drive, Concord, NH 03301 Phone: (603) 410-3500 - Fax: (603) 410-3501 Website: www.nhrs.org - Email: info@nhrs.org

December 20, 2016

To the Members and Beneficiaries of the New Hampshire Retirement System:

On behalf of the Board of Trustees of the New Hampshire Retirement System (NHRS, the retirement system), I am pleased to present NHRS' Comprehensive Annual Financial Report (CAFR) for the fiscal year ended June 30, 2016. This report describes the financial conditions of both the Pension Plan and the Other Post Employment Benefit (OPEB) Plans. The report also describes various changes that occurred during Fiscal Year 2016.

The Board of Trustees has the responsibility to ensure that the interests of members and beneficiaries are properly safeguarded over the long term.

Richard A. Gustafson, PhD Chair Board of Trustees

Trustees in 2016 adopted a number of changes to the retirement system's demographic and economic actuarial assumptions — including a reduction in the assumed rate of investment return from 7.75% to 7.25% — to better reflect the retirement system's expectations going forward. The changes were part of a package of recommendations contained in a statutorily required five-year experience study conducted by the retirement system's consulting actuary. After months of detailed review and consultations with outside experts, staff, and the Inde-

pendent Investment Committee, the new assumptions were adopted in May 2016, and utilized for the actuarial valuation for the fiscal year ending June 30, 2015. By statute, this valuation was used to determine employer contribution rates for fiscal years 2018 and 2019. The New Hampshire Constitution (Part I, Article 36-a) requires NHRS Trustees to set actuarially sound employer contribution rates and requires employers to annually pay those rates in full.

At June 30, 2016, the funded ratio of the Pension Plan stood at 60.0% and the OPEB Plans at 3.7%, versus 59.2% and 2.6% in the previous year, respectively. Funding status is measured by comparing the actuarial value of assets to the cost of accrued benefits owed now and in the future.

The OPEB plans provide a post-employment medical subsidy benefit to qualified Group I and Group II members. Because the OPEB plans are closed to new members and, as required by statute, are essentially funded on a pay-as-you-go basis, they do not, for the most part, have substantial assets set aside for future funding and benefits are paid from annual employer contributions.

At the close of the fiscal year, the retirement system's net position held in trust was \$7.461 billion, a decrease of approximately \$69 million over the prior fiscal year. The decrease is the result of benefit payments exceeding contributions and investment income, which may occur in any given year.

In addition to actuarial funding data noted above, this year's CAFR includes financial accounting information required under Governmental Accounting Standards Board (GASB) statements No. 67 and No. 72, which deal with financial reporting for pension plans. This information is for accounting purposes only and does not impact employer contribution rates or the statutory funding plan in place to pay down the NHRS unfunded liability.

NHRS realized a 1.0% return on investments in the fiscal year ended June 30, 2016, less than the retirement system's assumed rate of investment return of 7.25%. The three-year, five-year, 10-year, 20-year, and 25-year returns for the period ended June 30, 2016, were 7.1%, 7.2%, 6.0%, 7.0%, and 8.2%, respectively. All returns are net of fees.

The relative performance of our investments has been strong. Compared to the members in the InvestorForce Public Defined Benefit Universe, which represents 260 public plans totaling more than \$454.6 billion in assets, NHRS performed better than 65% of its peers over the one-year period and better than three-quarters of its peers over the three-, five-, 10-, 20-, and 25-year periods. In addition, NHRS' investment and administrative expenses are 20 percent below the average expenses reported in the most recent of survey of public pension plans compiled by the National Conference on Public Employee Retirement Plans.

NHRS pursues a long-term investment strategy designed to meet its funding requirements. The Board sets an investment policy, including asset allocation, and selects an investment consultant to advise the Independent Investment Committee

(IIC). The IIC continuously works closely with the consultant and staff to review and change, as appropriate, strategies, external asset managers, and selection of specific investments.

In addition to the information on investments contained in this report, more detailed information on NHRS-specific investment activities and current economic and market climate is provided in the Comprehensive Annual Investment Report for Fiscal Year 2016, issued separately by the IIC.

In the past decade, a number of legislative and policy changes have put NHRS on a path to financial health, including a 30-year amortization of the retirement system's UAAL through 2039. Next year, a statutorily created decennial commission will convene to make recommendations to ensure the long-term viability of the retirement system following upon the original 2007 commission.

Through a number of recent and ongoing initiatives, NHRS has continued to strengthen its operations, efficiency, and stakeholder outreach. These efforts include transitioning annual member account statements to online availability, restructuring of the employer services operation, and further enhancements to IT infrastructure and cyber security to better protect member information.

The Board expresses its thanks to former Trustees Dean Crombie and Bruce Moorehead, who left the Board in 2016. Trustee Crombie, who retired as Somersworth Police Chief on June 1, was the longest-tenured member of the Board at the time of his retirement, serving since 2003. William Hart joined the Board this year as the police member representative.

We are pleased with the continued progress that has been made toward improving internal operational efficiencies and controls, delivering timely and professional services and implementing the necessary changes to support the sustainability and stability of NHRS. The Board and staff are committed to proactively meeting these challenges for the benefit of the retirement system's members and beneficiaries.

Sincerely,

Richard A. Gustafson, PhD Chair, Board of Trustees

BOARD OF TRUSTEES



Richard A. Gustafson, PhD Chair, Public Member August 2011 to August 2017



Hershel D. Sosnoff Public Member November 2011 to November 2017



Julia N. Griffin Employer Member December 2014 to September 2017



George A. Walker Firefighter Member July 2012 to July 2018

BOARD OF TRUSTEES



J. David McCrillis Public Member August 2012 to July 2018



Donald M. Roy, Jr. Employer Member July 2011 to July 2017



Germano Martins Employee Member May 2013 to July 2018



William Hart Police Officer Member August 2016 to July 2018



Maureen Kelliher Public Member June 2014 to July 2017



John T. Beardmore Employer Member December 2012 to July 2017



Tonya J. Angwin *Teacher Member* October 2014 to July 2018



William Dwyer State Treasurer March 2014 ex officio

Vacant Employer Member

INDEPENDENT INVESTMENT COMMITTEE



Harold Janeway, Chair January 2009–November 2010 December 2010–Present

INDEPENDENT MEMBERS



David A. Jensen January 2009–December 2010 December 2011–Present



Patrick O'Donnell May 2009–December 2010 July 2011–Present

TRUSTEE MEMBERS

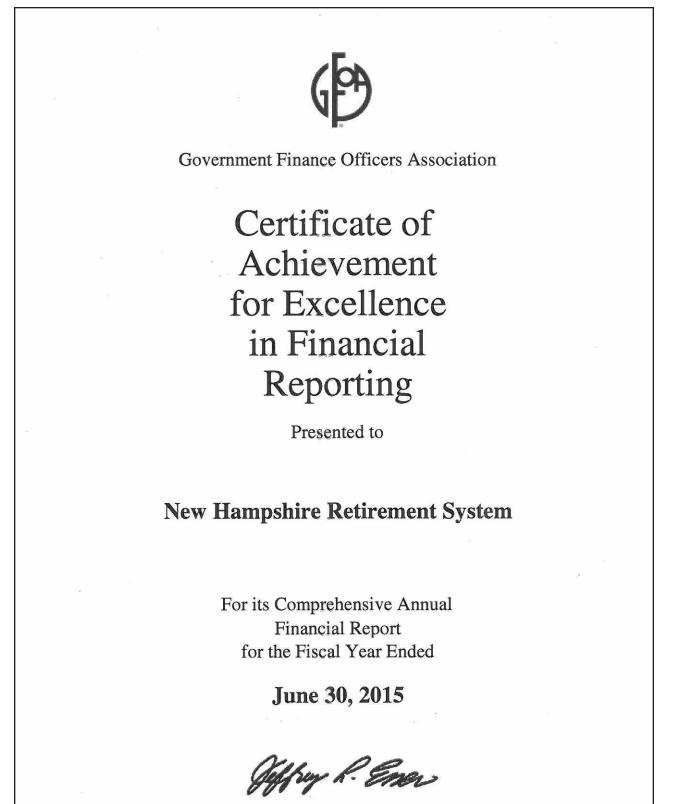


Maureen Kelliher June 2014–Present



Hershel Sosnoff January 2012–Present

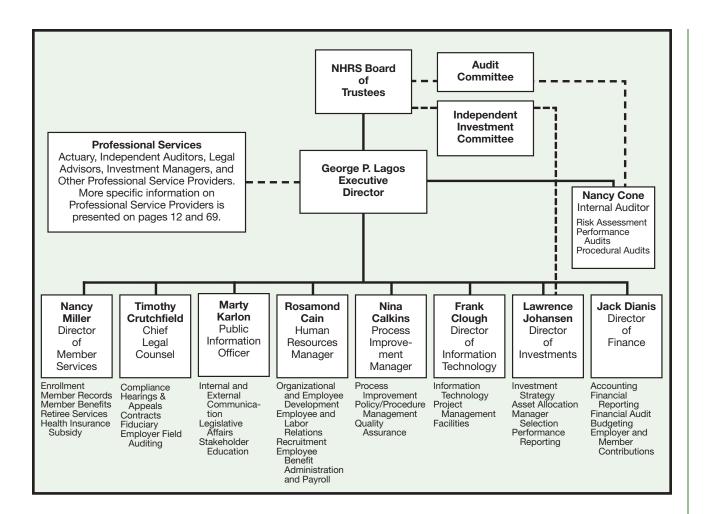
CERTIFICATE OF ACHIEVEMENT



Executive Director/CEO

10 NHRS FY 2016 CAFR

Administrative Organization



NHRS MANAGEMENT TEAM



Seated left to right: Shannan Hudgins, Jack Dianis, George P. Lagos, Lawrence A. Johansen, Mark Cavanaugh, Tracey Horner Standing left to right: Heather Fritzky, Timothy J. Crutchfield, Nancy Cone, Frank Clough, Rosamond Cain, Cecile Merrill, Nancy Miller, Nina Calkins, Marty Karlon and Tamre McCrea. Absent when photo was taken: Cynthia Peterson.

PROFESSIONAL MANAGERS, Advisors and Service Providers

DOMESTIC EQUITY MANAGERS

AllianceBernstein L.P. Blackrock Institutional Trust Company, N.A. Boston Trust & Investment Management Company Institutional Capital LLC LSV Asset Management Segall, Bryant and Hamill Thompson, Siegel & Walmsley LLC Wellington Management Company, LLP

NON-U.S. EQUITY MANAGERS

Aberdeen Asset Management Inc. Artisan Partners Causeway Capital Management Fisher Investments Grantham, Mayo, Van Otterloo & Co. LLC LSV Asset Management Neuberger Berman Walter Scott & Partners Limited Wellington Trust Company, N.A.

FIXED INCOME MANAGERS

Brandywine Global Investment Management, LLC DoubleLine Capital GAM Income Research & Management Loomis Sayles & Company, L.P. Manulife Asset Management

PRIVATE DEBT & EQUITY MANAGERS

Alcentra Apax Partners Avenue Capital Group BlackRock Private Equity Partners BlueBay Asset Management Carlyle Group CarVal Investors CCMP Capital Comvest Partners Coller Capital Crescent Capital Group Edgewater Growth Capital Partners Gramercy HarbourVest Partners Industry Ventures Ironwood Capital Kayne Anderson Capital Advisors Lexington Capital Partners MatlinPatterson Global Advisers Monroe Capital NGP Energy Capital Management Paul Capital Pine Brook Capital Partners Riverstone Holdings **RFE Investment Partners** Siguler Guff & Co. SL Capital Partners Standard Life Investments Tennenbaum Capital Partners **Top Tier Capital Partners** VSS Warburg Pincus

REAL ESTATE MANAGERS

The Townsend Group

TRANSITION MANAGERS

Abel/Noser Corporation BlackRock Institutional Trust Company, N.A. Russell Implementation Services State Street Bank and Trust Company

INDEPENDENT AUDITORS KPMG LLP

INVESTMENT ADVISOR NEPC, LLC

ACTUARIAL CONSULTANT

Gabriel, Roeder, Smith & Company

LEGAL ADVISORS

Foster Pepper PLLC Getman, Stacey, Schulthess & Steere, P.A. Groom Law Group Peter T. Foley, Esquire Sulloway & Hollis PLLC McLane Middleton, P.A.

CUSTODIANS

Citizens Bank-NH (In-state Custodian) BNY Mellon (Master Custodian)

CORPORATE GOVERNANCE

SERVICES

Institutional Shareholder Services, Inc.

TRADING COST ADVISOR

Abel/Noser Corporation

LETTER OF TRANSMITTAL



New Hampshire Retirement System 54 Regional Drive, Concord, NH 03301 Phone: (603) 410-3500 - Fax: (603) 410-3501 Website: www.nhrs.org - Email: info@nhrs.org

December 20, 2016

Dear Chair and Members of the Board of Trustees:

We are pleased to submit the Comprehensive Annual Financial Report (CAFR) of the New Hampshire Retirement System (NHRS) for the fiscal year ended June 30, 2016. This comprehensive report is designed to comply with the provisions of the Revised Statutes Annotated (RSA) 100-A:15, VI of the State of New Hampshire.

The management at NHRS is responsible for the complete and fair presentation of financial information and the accompanying disclosures in this report. This report fairly presents the combined assessment of the investment results and the financial condition of the Pension Plan and the Post-Employment Medical Plans.

The Pension Plan was established in 1967 to consolidate and replace four separate pension plan systems: the New Hampshire Teachers' Retirement System, the New Hampshire State Employees Retirement System, the New Hampshire Policemen's Retirement System, and the New Hampshire Permanent Firemen's Retirement System. The Pension Plan provides

service retirement, disability retirement, and survivor benefits for all full-time state employees, public school teachers and administrators, permanent police officers, and permanent firefighters. Full-time employees of political subdivisions (such as county, municipal or school district employees) are also eligible to become members if the local governing body elects participation. At the close of the fiscal year, there were 48,069 active members and 32,776 retirees or beneficiaries.

The Pension Plan is a qualified governmental plan within the meaning of section 414(d) of the United States Internal Revenue Code and has a separately appointed governing body. Based on financial reporting guidelines, the Pension Plan is deemed to be a single pension plan. In addition, NHRS administers post-employment medical plans (OPEB Plans) for qualified Group I and Group II members.

BUDGET CONTROLS AND NHRS ADMINISTRATION

The administrative budget for fiscal year 2016 was proposed by management, approved by the Board of Trustees, submitted under the budget preparation guidelines of the State of New Hampshire, and passed into law by the New Hampshire Legislature. For financial reporting purposes, NHRS is considered a component unit of the State of New Hampshire.

NHRS is administered by a 13-member Board of Trustees, which includes the State Treasurer as an ex officio member, one employee member, one teacher member, one firefighter member, one police officer member, four public nonmembers, and four employer representatives. The Board of Trustees sets the investment policy, formulates administrative policies, and authorizes benefit payments to members and their beneficiaries. The NHRS Independent Investment Committee is responsible for investing in accordance with policies established by the Board; selecting investment managers, agents, and custodial banks; reviewing performance; and making recommendations to the Board regarding investment consultants, asset allocation, and other investment policy matters. Administrative functions are directed by the Executive Director and are carried out by the administrative staff.

ACCOUNTING SYSTEM AND INTERNAL CONTROL

The CAFR has been prepared in conformity with U.S. generally accepted accounting principles (GAAP). The financial statements are prepared on the accrual basis of accounting. Contributions are recognized as revenue in the period when they become due pursuant to statutory requirements. Investment income is recognized as it is earned. Benefits, refunds, and investment expenses are recognized when they become due and payable. Net appreciation (depreciation) in the fair value of investments is recorded as an increase (decrease) to investment income based on the valuation of investments as of the date of the financial statements. Trade commissions and related transaction costs are netted against the fair value of investments. Capital assets are recognized in the financial statements in accordance with NHRS's established capital asset policy.

The management at NHRS is responsible for maintaining a system of internal controls which is designed to provide reasonable assurance that the assets are adequately safeguarded and the financial reports and financial statements are fairly



George P. Lagos Executive Director

stated. There is not an expectation from management that the internal controls will prevent or detect all errors and fraud. A control system, no matter how well designed and operated, can provide reasonable, not absolute, assurance that the objectives of the control system are met. The concept of reasonable assurance recognizes that: (1) The cost of a control should not exceed the benefits likely to be derived; and (2) The evaluation of costs and benefits requires estimates and judgments by management. Management believes its internal control structure meets these objectives.

FINANCIAL PERFORMANCE

For the fiscal year ended June 30, 2016, plan net position decreased \$69.1 million to \$7,460.9 million compared to a \$116.0 million net position increase for the prior year. Positive investment returns for the five years ended June 30, 2016, contributed to a slight increase in the retirement system's funded ratio. While the economy is showing slow but incremental signs of improvement, the retirement system still has significant financial challenges ahead of it. A detailed discussion of investment performance, the sources of additions and deductions, and results of operations is covered in the Management's Discussion and Analysis beginning on page 21.

FUNDING STATUS

In order to ensure that current and future retirement benefits are safeguarded and available to members at retirement, NHRS evaluates the actuarial value of the Plans' assets compared to the actuarial value of the Plans' liabilities as an indication of the extent to which the Plans are funded each year. This measure is called the plan funded ratio. Significant legislation was enacted in the 2008 and 2011 legislative sessions aimed at improving the funded ratios of the Plans.

The Pension Plan funded ratio at June 30, 2016, based on the June 30, 2016, interim actuarial valuation was 60.0%. The retirement system actuary conducted an experience study that covered the period of June 30, 2010, through June 30, 2015. Revised actuarial assumptions were adopted by the Board in May 2016. The Pension Plan funded ratio of 63.4% reported in the 2015 Comprehensive Annual Financial Report was based on the prior actuarial assumptions. Following the adoption of the new actuarial assumptions, a new actuarial valuation for the fiscal year ended June 30, 2015, was prepared by the actuary and accepted by the Board. Under the new assumptions, the Pension Plan funded ratio at June 30, 2015, was 59.2%. The ratio of Plan net position to the Plan liability under GAAP is separately determined and discussed in the financial statements.

The most accurate comparison of funding status would be between the June 30, 2016, funded ratio of 60.0% and the funded ratio at June 30, 2015, of 59.2% using the new actuarial assumptions. The year-over-year change is consistent with expectations.

The funded ratios of the OPEB Plans as of June 30, 2016, and June 30, 2015 both with and without the new assumptions, are as follows:

OPEB Plans	June 30, 2016	June 30, 2015 with new assumptions	June 30, 2015 before new assumptions
Group I Political Subdivision Employees	34.7%	35.7%	37.5%
Group I State Employees	2.0%	0.6%	0.7%
Group I Teachers	(1.8%)	(5.0%)	(5.8%)
Group II Police Officers and Firefighters	3.0%	2.9%	3.3%
OPEB Total	3.7%	2.6%	2.9%

A comprehensive analysis of funding progress for the Plans is provided in the Required Supplementary Information beginning on page 50.

NHRS adopted an actuarial funding policy in FY 2014 which defines the actuarial method and assumptions used to determine the employer contribution rates necessary to fund the plan. For more details on NHRS' actuarial funding policy, go to www.nhrs.org.

NET PENSION LIABILITY

The total pension liability is the accrued liability for benefits owed now and in the future based on the Entry Age Normal funding method. The fiduciary net position is the fair value of plan net assets. The net pension liability is the total pension liability, less the amount of the pension plan's fiduciary net position. These disclosures are accounting measurements, not actuarial measurements of the funded status of the plan, and are not used to develop employer contribution rates.

INVESTMENTS

RSA 100-A:15 grants the New Hampshire Retirement System Board of Trustees the authority to adopt the investment policy for NHRS. Effective January 1, 2009, an Independent Investment Committee (IIC) was established by statute grant-

ing it authority to invest and reinvest NHRS funds in accordance with the investment policy adopted by the Board of Trustees. Prior to January 1, 2009, the Board of Trustees had the authority to invest and reinvest NHRS funds.

The Independent Investment Committee consists of not more than five members, three of whom are not members of the Board of Trustees and up to two of whom are members of the Board of Trustees appointed by the chairperson of the Board of Trustees. The Trustees and Independent Investment Committee members are fiduciaries and discharge their duties solely in the interest of the Plans' participants and beneficiaries. In the management of the Plans' assets, the Board of Trustees and the Independent Investment Committee members must exercise the care, skill, and caution under the circumstances then prevailing that a prudent person acting in a like capacity would use in the conduct of an activity of like character and purpose.

The annualized total fund investment returns for the one-year, three-year, five-year, ten-year, and twenty-year periods ended June 30, 2016, were 1.0%, 7.1%, 7.2%, 6.0%, and 7.0%, respectively. A discussion about comparative annualized returns and related benchmark indices for fiscal years 2016 and 2015 is presented in the Management's Discussion and Analysis beginning on page 21.

MAJOR INITIATIVES

NHRS faces many of the same issues common to other public employee retirement plans. As part of its proactive response to these challenges, the retirement system strives to create a culture of constant improvement. Some of the significant accomplishments during fiscal year 2016 were:

- Successfully implemented requirements of GASB 68 (Accounting and Financial Reporting for Pensions), including the creation of training and educational materials for employers, lawmakers and other stakeholders.
- Revised a number of key actuarial assumptions based on the findings contained in a statutorily mandated actuarial experience study. The changes, which were made to better reflect the retirement system's actual and anticipated experience, included reducing assumed rate of investment return from 7.75% to 7.25%, increasing the mortality assumption and reducing the payroll growth factor.
- Transitioned the issuance of annual member account statements to online availability, enhancing security and saving significant print and postage expense.
- Performed an operational risk assessment to identify, evaluate, communicate and monitor risk.
- Provided participating employers and insurance vendors with the ability to submit insurance premium rate changes electronically, saving substantial staff time and reducing the opportunities for data entry errors.
- Achieved investment performance for FY 2016 of 1.0% which placed NHRS in the top 35% of the peer universe of public pension plans; the three-, five-, and 10-year returns of 7.1%, 7.2% and 6.0% are in the top 20% of peer plans.
- Released a series of interpretive memoranda on a variety of subjects, providing guidance in understanding and implementing various provisions of the retirement system's controlling statute, RSA 100-A, as a guide for participating employers.
- Implemented automation of the annual gainful occupation reporting process for disability retirees.
- Implemented a reorganization of the employer services operation to streamline process and improve service as part of our Process Improvement Process.
- Replaced the retirement system's end-of-life Oracle-based imaging system with PCX solution, an integrated imaging solution provided by LRS, our pension administration application partner. The project included the transition of 1.5 million stored documents to the new database.
- Completed a multi-faceted cybersecurity initiative, which included deploying multifactor VPN and email encryption, implementing an upgraded Cisco firewall, purchasing cyber liability insurance coverage, and providing security awareness training to staff.
- Established new co-location (COLO) site for NHRS IT infrastructure to provide redundancy for NHRS data in addition to the existing disaster recovery protections in place for our pension data.
- Upgraded email software and increased size of subscriber list by 600%.
- Successfully piloted educational presentations geared to new members as part of a multi-year effort to expand education and outreach to members, retirees, and employers.
- Earned a Certificate of Achievement for Excellence in Financial Reporting for both the Comprehensive Annual Financial Report (CAFR) and Summary CAFR.

INDEPENDENT AUDIT

RSA 100-A:15 VI. (a) requires the Audit Committee of the Board of Trustees to engage the services of a qualified independent auditor to perform an annual audit each fiscal year. For fiscal year 2016, the Audit Committee designated KPMG LLP to conduct the annual audit. The independent auditors' report, audited financial statements, required supplementary information, and supporting schedules are included in the Financial Section of this report.

ACTUARIAL REVIEW AND VALUATION

An actuarial review, commonly called an experience study, of the mortality, service, withdrawals, and compensation experience of members is required by statute at least once during each five-year period. The last actuarial review was performed during fiscal year 2016 by NHRS' current actuary, Gabriel, Roeder, Smith and Company and was based on the information available as of June 30, 2015. An actuarial valuation of the assets and liabilities is required by statute at least once during each two-year period. The June 30, 2015 actuarial valuation was used to determine employer contribution rates for fiscal years 2018 and 2019. An interim valuation as of June 30, 2016 has been completed for the purpose of determining the actuarial information included in this report and to inform policy-making bodies during the coming year. The actuarial certification and supporting statistics are included in the Actuarial and Statistical Sections of this report.

CERTIFICATE OF ACHIEVEMENT FOR EXCELLENCE IN FINANCIAL REPORTING

The NHRS Comprehensive Annual Financial Report for the fiscal year ended June 30, 2015, was awarded the Certificate of Achievement for Excellence in Financial Reporting by the Government Finance Officers Association of the United States and Canada (GFOA). The Certificate of Achievement is the highest form of recognition in the area of state and local governmental accounting and financial reporting, and attaining it represents a significant accomplishment by a government and its management. We are gratified that NHRS has received this award for 24 of the past 25 years. A copy of the fiscal year 2015 award is presented on page 10.

ACKNOWLEDGMENTS

The compilation of this report reflects the combined efforts of the NHRS administrative staff under the direction of the Board of Trustees. It is intended to provide extensive and reliable information as a basis for making management decisions, determining compliance with legal provisions, and for determining responsible stewardship for the investment and accounting for assets of plan participants. We would like to take this opportunity to express our gratitude to the Board of Trustees for its guidance and support and to the administrative staff for their dedication and commitment to the mission, vision and values of the New Hampshire Retirement System. We would also like to note our appreciation for the professional and diligent work of the Independent Investment Committee whose efforts have generated superior returns in accordance with the Board's investment policy.

Respectfully submitted,

George P. Lagos

Executive Director

Jack W. Dianis

Director of Finance

NEW HAMPSHIRE RETIREMENT SYSTEM



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INDEPENDENT AUDITORS' REPORT



KPMG LLP Two Financial Center 60 South Street Boston, MA 02111

The Board of Trustees New Hampshire Retirement System:

REPORT ON THE FINANCIAL STATEMENTS

We have audited the accompanying financial statements of the New Hampshire Retirement System (the System), a component unit of the State of New Hampshire, as of and for the year ended June 30, 2016, and the related notes to the financial statements, which collectively comprise the System's basic financial statements as listed in the table of contents.

MANAGEMENT'S RESPONSIBILITY FOR THE FINANCIAL STATEMENTS

Management is responsible for the preparation and fair presentation of these financial statements in accordance with U.S. generally accepted accounting principles; 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 audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

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

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

OPINION

In our opinion, the financial statements referred to above present fairly, in all material respects, the fiduciary net position of the System as of June 30, 2016 and the changes in its fiduciary net position for the year then ended in accordance with U.S. generally accepted accounting principles.

OTHER MATTERS

Prior-Year Comparative Information

We have previously audited the System's 2015 financial statements, and we expressed an unmodified opinion on those financial statements in our report dated December 8, 2015. In our opinion, the summarized comparative information presented herein as of and for the year ended June 30, 2015 is consistent, in all material respects, with the audited financial statements from which it has been derived.

Required Supplementary Information

U.S. generally accepted accounting principles require that management's discussion and analysis on pages 21–25, the schedules of changes in the employer's net pension liability and related ratios, employer contributions, and investment returns — pension plan and the related notes to required supplementary information on pages 50–52, and the schedules of funding progress and employer contributions — OPEB plans on page 53, be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Ac-

counting Standards Board who consider it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, and 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.

Supplementary and Other Information

Our audit was conducted for the purpose of forming an opinion on the basic financial statements. The Supporting Schedules as detailed in the accompanying table of contents, and the Introductory, Investment, Actuarial, and Statistical Sections are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The Supporting Schedules as of and for the year ended June 30, 2016 are the responsibility of management and were derived from and relate 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 audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting 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 Supporting Schedules are fairly stated, in all material respects, in relation to the basic financial statements as a whole.

We also previously audited, in accordance with auditing standards generally accepted in the United States of America, the basic financial statements of the System as of and for the year ended June 30, 2015 (not presented herein), and have issued our report thereon dated December 8, 2015, which contained an unmodified opinion on those financial statements. The Supporting Schedules as of and for the year ended June 30, 2015 are presented for purposes of additional analysis and are not a required part of the basic 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 2015 financial statements. Such information been subjected to the auditing procedures applied in the audit of the 2015 basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting statements or to those financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the Supporting Schedules as of and for the year ended June 30, 2015 are fairly stated, in all material respects, in relation to the basic financial statements as a whole for the year ended June 30, 2015.

The Introductory, Investment, Actuarial, and Statistical Sections have not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we do not express an opinion or provide any assurance on them.

OTHER REPORTING REQUIRED BY GOVERNMENT AUDITING STANDARDS

In accordance with *Government Auditing Standards*, we have also issued our report dated December 20, 2016 on our consideration of the System's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with Government Auditing Standards in considering the System's internal control over financial reporting and compliance.

MG LLP

December 20, 2016

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MANAGEMENT'S DISCUSSION AND ANALYSIS – REQUIRED SUPPLEMENTARY INFORMATION (UNAUDITED)

This section presents management's discussion and analysis of the New Hampshire Retirement System's (NHRS) financial performance during the fiscal year ended June 30, 2016 and is presented as a narrative overview and analysis in conjunction with the Letter of Transmittal included in the Introductory Section of the System's Comprehensive Annual Financial Report. The report presents the combined assessment of the financial performance of the Pension Plan and the OPEB Plans.

The discussion and analysis is intended to serve as an introduction to the basic financial statements. These statements include the Combining Statements of Fiduciary Net Position and Changes in Fiduciary Net Position, and the related Notes to the Financial Statements for the fiscal year ended June 30, 2016 with summarized comparable totals for fiscal year 2015. In addition, Required Supplementary Information is provided for the Pension plan and OPEB plans. The excess of assets over liabilities is reported as "Net Position Restricted for Pension and Other Post Employment Benefits (OPEB)."

FINANCIAL HIGHLIGHTS

Net position decreased by \$69.1 million (-0.9%) from the prior year's net position reflecting some uncertainty in the financial market.

Net investment income during fiscal year 2016 was \$62.0 million, a \$188.9 million (–75.3%) decrease over the prior fiscal year. The net investment income for fiscal year 2016 reflects a time-weighted return for the total fund during the year of 1.0% compared to a time-weighted investment return of 3.5% for the fiscal year ended June 30, 2015.

The total contributions received during the fiscal year were \$623.6 million. For fiscal year 2015, total contributions received were \$585.3 million.

Employer contributions for fiscal year 2016 increased 9.1%, to \$415.7 million compared with employer contributions in fiscal year 2015 of \$381.2 million. The increase in employer contributions in fiscal year 2016 was primarily due to higher contribution rates.

Member contributions were \$207.9 million in fiscal year 2016, an increase of 1.9% over fiscal year 2015 member contributions of \$204.1 million. The increase in member contributions is primarily due to an increase in earnable compensation for contributing members. Overall member normal contributions increased by \$4.7 million or 2.4% over the prior fiscal year. Voluntary member contributions decreased by \$0.9 million or -15.3% over fiscal year 2015.

Benefits paid during fiscal year 2016 were \$722.2 million, an increase of 5.5% over the benefits paid in fiscal year 2015 of \$684.6 million. The increase in benefits paid in fiscal year 2016 is primarily due to an increase in the number of retirees and increased average benefit levels for those new retirees.

FINANCIAL ANALYSIS

Condensed Comparative Plan Net Position – Combined Plans

The following schedules report the Condensed Net Position Information and the Condensed Changes in Net Position Information for the NHRS for the fiscal years ended June 30, 2016 and June 30, 2015.

	As of June 30, 2016	As of June 30, 2015	Amount Increase (Decrease)	Percentage Increase (Decrease)
Cash Receivables Investments Other Assets	\$6.7 122.9 7,372.7 0.2	\$5.2 106.2 7,460.7 0.2	\$ 1.5 16.7 (88.0) 0.0	28.8% 15.7% (1.2)% 0.0%
Total Assets	\$ 7,502.5	\$ 7,572.3	\$ (69.8)	(0.9)%
Other Liabilities	41.5	42.2	(0.7)	(1.7)%
Total Liabilities	\$ 41.5	\$ 42.2	\$ (0.7)	(1.7)%
Net Position Restricted for Pension and Other Post Employment Benefits	\$ 7,461.0	\$ 7,530.1	\$ (69.1)	(0.9)%

Total assets decreased by \$69.8 million (-0.9%) in fiscal year 2016. Cash on hand at fiscal year end was \$6.7 million (28.8%) higher than at fiscal year end 2015 reflecting lower draw downs of liquidity reserves necessary to meet operating obligations. Receivables increased by \$16.7 million (15.7%) over the prior fiscal year primarily due to an increase in the amounts due from employers at fiscal year end. Investments decreased by \$88.0 million (-1.2%) in fiscal year 2016. The decrease in investments is attributable to a slight decline in the global markets. Other assets remained unchanged at \$0.2 million (0.0%) for fiscal year 2016.

Total liabilities decreased by \$0.7 million (-1.7%) at the end of fiscal year 2016 primarily due to a decrease in the liabilities (due to) OPEB plans at fiscal year end.

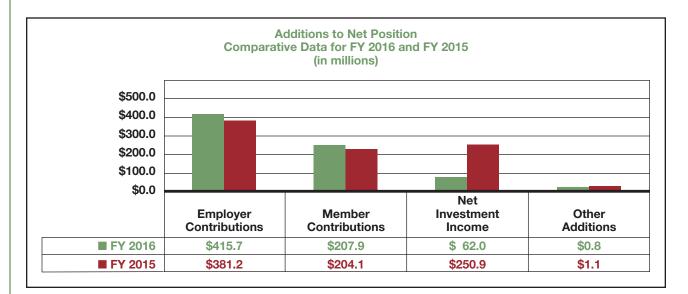
Condensed Comparative Changes in Plan Net Position — Combined Plans (Dollar Values Expressed in Millions)

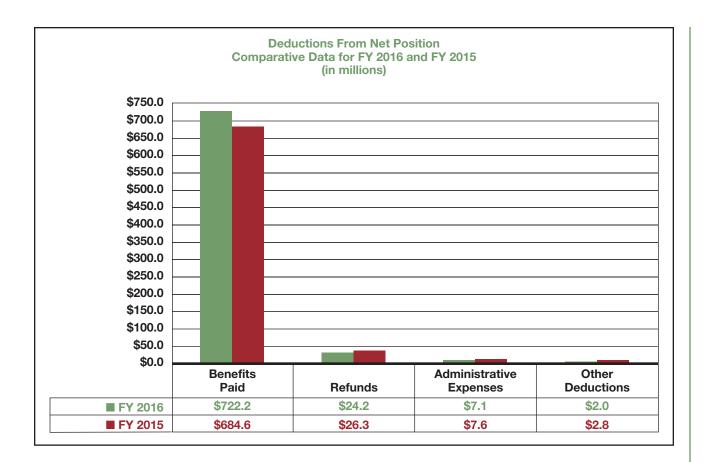
	 r Ended 30, 2016	 r Ended 30, 2015	In	mount crease crease)	Percentage Increase (Decrease)
ADDITIONS: Employer Contributions Member Contributions Net Investment Income (Loss) Other Income	\$ 415.7 207.9 62.0 0.8	\$ 381.2 204.1 250.9 1.1	\$	34.5 3.8 (188.9) (0.3)	9.1% 1.9% (75.3%) (27.3%)
Total Additions to Plan Net Position	\$ 686.4	\$ 837.3	\$	(150.9)	(18.0%)
DEDUCTIONS: Benefits Paid Refunds of Contributions Administrative Expense Other Deductions	\$ 722.2 24.2 7.1 2.0	\$ 684.6 26.3 7.6 2.8	\$	37.6 (2.1) (0.5) (0.8)	5.5% (8.0%) (6.6%) (28.6%)
Total Deductions from Plan Net Position	\$ 755.5	\$ 721.3	\$	34.2	4.7%
Total Changes in Plan Net Position	\$ (69.1)	\$ 116.0	\$	(185.1)	(159.6%)

ADDITIONS TO NET POSITION

For fiscal year 2016, the combined total of employer and member contributions increased by \$38.3 million or 6.5%. Employer contributions increased from \$381.2 million in fiscal year 2015 to \$415.7 million or 9.1% in fiscal year 2016. The increase in employer contributions is primarily due to higher contribution rates. Member contributions for fiscal year 2016 were \$207.9 million, an increase of \$3.8 million or 1.9% from fiscal year 2015. Member normal contributions increased \$4.7 million or 2.4% in fiscal year 2016 and voluntary member contributions decreased by \$0.8 million or -15.3%.

Over the long term, the Plan's investment portfolio has been a major source for additions to plan net position. There was a net investment gain in fiscal year 2016 of \$62.0 million compared with a net investment gain in fiscal year 2015 of \$250.9 million. The net change from year-to-year was \$(188.9) million or -75.3%, a significant decrease from fiscal year 2015. The change in investment income reflects the increased volatility in global markets due to the strength of the U.S. dollar, uncertainty of future U.S. interest rates, the volatility in the price of oil, the concerns about the growth of the Chinese economy and the implications of the Brexit vote.





DEDUCTIONS FROM NET POSITION

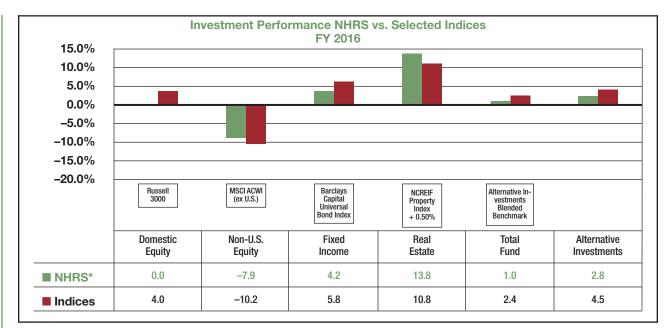
Total benefits paid in fiscal year 2016 were \$722.2 million, an increase of \$37.6 million or 5.5% over the fiscal year 2015 level of \$684.6 million. Pension benefits paid in fiscal year 2016 were \$670.4 million, an increase of \$39.0 million or 6.2% compared with the pension benefits paid in fiscal year 2015 of \$631.3 million. The increase in pension benefits paid in fiscal year 2016 is primarily due to an increase in the number of retirees and increased average benefit levels for those new retirees. OPEB benefits paid in fiscal year 2016 were \$51.8 million which was slightly lower than the benefits that were paid in 2015. The OPEB benefits that will be paid will continue to remain flat or go down over time. There is a very small population of active members that can still qualify for this benefit. Refunds of contributions were \$24.2 million, a decrease of \$2.1 million or -8.0% over the 2015 level of \$26.3 million. The decrease reflects a decrease in the number and dollar value of refund requests from terminated members in 2016.

Administrative expenses decreased by \$0.5 million or -6.1% in fiscal year 2016 to a level of \$7.1 million compared with \$7.6 million in 2015. Administrative expenses decreased primarily due to positions being filled at entry level pay.

PLAN FUNDING STATUS

Funded ratios are a useful measurement that can be used in conjunction with many other factors to assess the financial soundness of a pension or OPEB plan. The Pension Plan's funded ratio is calculated by dividing the plan fiduciary value of assets available to pay pension benefits by the total pension accrued liability. The OPEB Plan's funded ratio is calculated by dividing its actuarial value of assets at year end (5 year smoothing of fair values) by its actuarial accrued liability at year end. The liabilities that were used to determine the funded ratios for both the Pension and OPEB plans were determined using the entry age normal actuarial cost method for both fiscal year 2016 and 2015.

The total pension liability under GAAP at June 30, 2016, was \$12,751.9 million. The fiduciary net position available to pay pension benefits at June 30, 2016 was \$7,434.3 million, resulting in a net pension liability of \$5,317.6 million and a plan net position as a percentage of total pension liability of 58.3% at June 30, 2016. For fiscal year 2015, it was \$11,471.4 million. The plan fiduciary value of assets available to pay pension benefits at June 30, 2015 was \$7,509.9 million resulting in a net pension liability of \$3,961.5 million and a funded ratio of 65.5%.



**Performance returns are calculated on a net-of-fees time-weighted rate of return basis.

The combined OPEB Plans actuarial accrued liability at June 30, 2016, based on the June 30, 2016 interim actuarial valuation, was \$730.1 million. The actuarial value of assets available to pay postemployment medical benefits at June 30, 2016 was \$27.3 million resulting in an unfunded actuarial accrued liability of \$702.8 million and a funded ratio of 3.7% at June 30, 2016. For fiscal year 2015, the OPEB Plans actuarial accrued liability at June 30, 2015, based on the June 30, 2015 actuarial valuation, was \$675.6 million. The actuarial value of assets available to pay OPEB benefits at June 30, 2015 was \$19.5 million resulting in an unfunded actuarial accrued liability of \$656.1 million and a funded ratio of 2.9%.

NEW ACCOUNTING PRONOUNCEMENT

In fiscal year 2016, the System retrospectively adopted the provisions of GASB Statement No. 72, *Fair Value Measurement and Application* (GASB 72) which prescribes how state and local governments should define and measure fair value. It also prescribes which assets and liabilities should be measured at fair value and expands disclosures related to fair value. This pronouncement is effective for all government entities with fiscal periods beginning after June 15, 2015.

INVESTMENT PERFORMANCE

NHRS recognizes that it operates in a dynamic economic environment. The challenges of investing the Plans' funds strategically to achieve the actuarial rate of return while controlling risk are greater than ever. As such, NHRS has allocated assets to a broad range of asset classes.

Equity (53%), fixed income investments (24%), and cash equivalents (2%) comprise approximately 79% of invested assets at June 30, 2016. The remaining 21% of assets are invested in real estate (11%) and alternative investments (10%), which include private equity, private debt and absolute return strategies. These illiquid assets are expected to earn enhanced returns and manage risk through further diversification.

Investment performance results are measured by the relationship of the Plans' portfolio returns for equity and fixed income investments against widely-accepted market indices. For the fiscal year ended June 30, 2016, the Plans' total fund return was 1.0% compared to 3.5% for the fiscal year ended June 30, 2015. The difference in year-over-year performance was due to the increased volatility in global markets due to the strength of the U.S. dollar, the slowdown in the economy of China, and increased currency volatility.

The total NHRS fund performance of 1.0% for fiscal year 2016 underperformed the total fund custom index (a blended composition of major market indices in proportion to the NHRS' asset allocation), which returned 2.4%, by 140 basis points. While the NHRS underperformed relative to the benchmark, the NHRS outperformed 65% of its peers. Domestic Equity generated a return of 0.0%, underperforming the Russell 3000 Index return of 4.0% by 400 basis points. The non-U.S. equity portfolio returned –7.9% during fiscal year 2016, outperforming the MSCI ACWI (ex U.S.) benchmark return of –10.2% by 230 basis points. Fixed income returned 4.2% and underperformed the Barclays Capital Universal Bond Index benchmark return of 5.8% by 160 basis points. The real estate portfolio gained 13.8% and outperformed the NCREIF

Property Index +0.50% benchmark return of 10.8% by 300 basis points. The alternative investment class provided a 2.8% return and underperformed the blended benchmark return of 4.5% by 170 basis points. The benchmark for this asset class is the S&P 500 +3.0% weighted to the allocation of private equity and private debt weighted to the allocation of absolute return strategies.

CONTACTING NHRS

The Comprehensive Annual Financial Report is designed to provide a general overview of NHRS investment results and financial condition of the Pension Plan and OPEB Plans for the year ended June 30, 2016. Detailed information regarding NHRS' investments as of June 30, 2016 can be found in the Comprehensive Annual Investment Report which is published by the Independent Investment Committee of the NHRS. Please contact the NHRS office at 603.410.3500 for additional financial information or for questions related to this report, or the Comprehensive Annual Investment Report. Additional information can also be obtained from the NHRS website at www.nhrs.org.

BASIC FINANCIAL STATEMENTS

COMBINING STATEMENTS OF FIDUCIARY NET POSITION PENSION AND OTHER POSTEMPLOYMENT MEDICAL PLANS (OPEB)

AS OF JUNE 30, 2016 (with summarized financial information as of June 30, 2015)

	PENSION PLAN 2016	GROUP II POLICE OFFICER & FIREFIGHTER OPEB PLAN 2016
ASSETS:		
Cash	\$ 6,723	\$8
Receivables: Due from Employers Due from Group I Teacher OPEB Plan Due from Plan Members Due from Brokers for Securities Sold Interest and Dividends Other	46,545 	1,478 — 36 21 2
Total Receivables	118,249	1,537
INVESTMENTS AT FAIR VALUE		
Cash and Cash Equivalents:	140,281	166
Equity Investments: Domestic Non-U.S.	2,581,287 1,098,989	3,078 1,310
Fixed Income Investments: Domestic Non-U.S.	1,512,607 246,445	1,804 294
Real Estate Alternative Investments	785,098 981,425	936 1,170
TOTAL INVESTMENTS	7,346,132	8,759
Other Assets	189	_
TOTAL ASSETS	7,471,293	10,304
LIABILITIES:		
Management Fees and Other Payables Due to Group I Political Subdivision OPEB Plan Due to Group II Police & Fire OPEB Plan Due to Group I State Employee OPEB Plan Due to Brokers for Securities Purchased	8,426 — — 28,549	10 - 34
TOTAL LIABILITIES	36,975	44
NET POSITION (DEFICIT) RESTRICTED FOR PENSION AND OTHER POST EMPLOYMENT BENEFITS (OPEB)	\$7,434,318	\$10,260

The accompanying notes are an integral part of the financial statements.

				(in thousands)
GROUP I TEACHERS OPEB PLAN 2016	GROUP I POLITICAL SUBDIVISION OPEB PLAN 2016	GROUP I STATE EMPLOYEES OPEB PLAN 2016	TOTAL 2016	TOTAL 2015
\$ —	\$ 15	\$ 1	\$ 6,747	\$ 5,275
	2,802 67 40 4	 203 5 	46,545 4,483 22,389 29,961 17,857 1,675	40,597 13,724 21,049 10,825 17,448 2,526
_	2,913	211	122,910	106,169
_	317	23	140,787	171,369
	5,831 2,483	423 180	2,590,619 1,102,962	2,982,939 1,237,512
	3,417 557	248 40	1,518,076 247,336	1,413,430 249,661
	1,774 2,217	129 161	787,937 984,973	676,603 729,143
_	16,596	1,203	7,372,690	7,460,657
_	_	_	189	160
_	19,524	1,415	7,502,536	7,572,261
	19 — —	1 	8,456 2,802 1,478 203	9,080 9,184 4,309 231
203	64	5	203 28,652	19,401
4,483	83	6	41,591	42,205
(\$ 4,483)	\$19,441	\$1,409	\$7,460,945	\$7,530,056

COMBINING STATEMENTS OF CHANGES IN FIDUCIARY NET POSITION PENSION AND OTHER POSTEMPLOYMENT MEDICAL PLANS (OPEB) FOR THE YEAR ENDED JUNE 30, 2016 (with summarized financial information for the year ended June 30, 2015)

	PENSION PLAN 2016	GROUP II POLICE OFFICER & FIREFIGHTER OPEB PLAN 2016
ADDITIONS: Contributions (NOTE 8): Employer — Normal Employer — Other	\$ 357,334 148	\$15,854 —
Total Employer Contributions	357,482	15,854
Plan Member	207,949	—
Total Contributions	565,431	15,854
Investment Income (Loss)		
From Investment Activities: Net Appreciation (Depreciation) in Fair Value of Investments Interest Dividends Net Real Estate Income Alternative Investment Income	(72,904) 53,850 73,987 8,341 22,521	(64) 47 65 7 20
Total Income (Loss) from Investment Activities	85,795	75
Less: Investment Expenses: Investment Management Fees Custodial Fees Investment Advisor Fees Investment Administrative Expense	21,954 622 733 608	20 1 - 1
Total Investment Activity Expenses	23,917	22
Total Net Income (Loss) from Investment Activities	61,878	53
Total Net Investment Income (Loss)	61,878	53
Interest Income	_	257
TOTAL ADDITIONS	627,309	16,164
DEDUCTIONS: Benefits Paid Refunds of Contributions Administrative Expense (NOTE 9) Professional Fees Interest Expense Other	670,360 24,233 7,061 950 313	16,528 — 6 — — 1
TOTAL DEDUCTIONS	702,917	16,535
CHANGE IN NET POSITION	\$ (75,608)	\$ (371)
NET POSITION RESTRICTED FOR PENSION BENEFITS AND OTHER POSTEMPLOYMENT BENEFITS (OPEB) Beginning of the Year End of the Year	\$7,509,926 \$7,434,318	\$10,631 \$10,260

The accompanying notes are an integral part of the financial statements.

GROUP I	GROUP I			(in thousa
TEACHERS OPEB PLAN	POLITICAL SUBDIVISIONS OPEB PLAN	GROUP I STATE EMPLOYEES OPEB PLAN	TOTAL	TOTAL
2016	2016	2016	2016	2015
\$31,791 —	\$ 1,938 —	\$ 8,591 —	\$ 415,508 148	\$ 381,062 147
31,791	1,938	8,591	415,656	381,209
_	_	_	207,949	204,063
31,791	1,938	8,591	623,605	585,272
_	(61)	(50)	(73,079)	123,517
—	45	37	53,979	52,128
—	62 7	51	74,165	79,895
_	19	6 16	8,361 22,576	10,406 9,785
_	72	60	86,002	275,731
—	12	00	00,002	215,131
_	17	16	22,007	22,820
_	1	_	624	675
—	1	1	735	730
_	1	_	610	581
-	20	17	23,976	24,806
_	52	43	62,026	250,925
—	52	43	62,026	250,925
_	486	35	778	1,113
31,791	2,476	8,669	686,409	837,310
04 770	5 00 /	7 00 /	700 405	004.000
21,772	5,681	7,824	722,165 24,233	684,609 26,345
_	6	5	7,078	7,616
_	1	1	952	1,323
778	_	_	778	1,113
—	—	—	314	310
22,550	5,688	7,830	755,520	721,316
\$ 9,241	\$ (3,212)	\$ 839	\$ (69,111)	\$ 115,994
\$(13,724)	\$22,653	\$ 570 \$ 1,409	\$7,530,056	\$7,414,062

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NOTE 1 - NEW HAMPSHIRE RETIREMENT SYSTEM

The New Hampshire Retirement System (NHRS) is a public employee retirement system that administers one cost-sharing multiple-employer defined benefit pension plan (Pension Plan) and four separate cost-sharing multiple-employer postemployment medical subsidy healthcare plans. Collectively the Pension Plan and the postemployement medical subsidy healthcare plans are hereafter referred to as the Plans.

NHRS is administered by a 13-member Board of Trustees that includes one employee member, one teacher member, one firefighter member, one police officer member, four employer representatives, four public members, and the State Treasurer. Trustees are fiduciaries bound by law to act solely in the interest of the participants and beneficiaries of the pension plan.

All trustees — with the exception of the State Treasurer, who serves as an ex officio member — are nominated by the governor for two-year terms and must be confirmed by a vote of the Executive Council. Any newly appointed or reappointed trustee must have familiarity with or experience in finance or business management.

The New Hampshire State Employees' Association, the New Hampshire Education Association, the New Hampshire Police Association, and the New Hampshire State Permanent Firemen's Association each submit a list of five active members of the retirement system from which the governor chooses a nominee to represent each of the four member groups.

The New Hampshire Municipal Association, the New Hampshire School Boards Association, and the New Hampshire Association of Counties each put forth a name to the governor for nomination as an employer trustee. The Governor also identifies and nominates one person to represent management of state employees.

The governor identifies and nominates the public member trustees, all of whom must be qualified persons with investment and/or financial experience who are not members of the retirement system. The public trustees must also have substantial experience in the field of institutional investment or finance such as educational background, business experience, and/or professional licensure and designations.

The governor is responsible to designate one of the public trustees to serve as chair of the board.

Although the assets of the Plans are commingled for investment purposes, each plan's assets may be used only for the payment of benefits to the members of that plan, in accordance with the plan's individual terms. Accordingly, the results of each plan are presented separately in the accompanying financial statements.

The administrative office of NHRS, which functions as a self-sustaining governmental entity, operates under a budget which is proposed by management, approved by the Board of Trustees, submitted under the budget preparation guidelines of the State of New Hampshire (State), and passed into law by the New Hampshire Legislature. NHRS participates as an employer in the Plans and its employees are members of the Plans.

In accordance with Governmental Accounting Standards Board (GASB) No. 14, as amended, the New Hampshire Retirement System is a component unit of the State. This determination was made on the basis of fiscal dependence on the State solely for budget oversight over certain administrative expenses. A copy of the State of New Hampshire's CAFR may be viewed at www.admin.state.nh.us/accounting/.

PENSION PLAN

The Pension Plan was established in 1967 by RSA 100-A:2 and is qualified as a tax-exempt organization under Sections 401(a) and 501(a) of the Internal Revenue Code. The Pension Plan is a contributory, defined benefit plan providing service, disability, death and vested retirement benefits to members and their beneficiaries. Substantially all full-time state employees, public school teachers and administrators, permanent firefighters and permanent police officers within the State are eligible and required to participate in the Pension Plan. Full-time employees of political subdivisions, including counties, municipalities and school districts, are also eligible to participate as a group if the governing body of the political subdivision has elected participation.

The type and number of employers contributing to the Pension Plan during the years ended June 30, 2016 and 2015 are presented below.

For GASB 67 disclosure purposes all State entities contributing to the pension plan are considered one employer.

EMPLOYERS CONTRIBUTING	2016	2015
State Government	1	1
City Governments	13	13
Town Governments and Related Entities	242	242
County Governments and Related Entities	12	12
School Districts and School Administrative Units	203	200
Total Employers	471	468

As of June 30, 2016 and 2015 membership data related to the Pension Plan was as follows:

MEMBERSHIP DATA	2016	2015
Retired plan members (or their beneficiaries) currently receiving benefits	32,776	31,350
Inactive members entitled to but not yet receiving benefits	11,313	10,689
Active members	48,069	47,812
Total Membership	92,158	89,851

The Pension Plan is divided into two membership groups. State and local employees and teachers belong to Group I. Police officers and firefighters belong to Group II. All assets are held in a single trust and are available to pay retirement benefits to all members. Benefits available to each membership group are summarized below.

Group I Members at age 60 qualify for a normal service retirement allowance based on years of creditable service and average final salary for the highest three years. Members commencing service on or after July 1, 2011 qualify for a normal service retirement allowance at age 65 based on years of creditable service and average final compensation for the highest five years. Members hired prior to July 1, 2011 with a non-vested status as of January 1, 2012 qualify for a normal service retirement allowance at age 60 based on years of creditable service and average final compensation for the highest five years. The yearly pension amount is 1/60 or 1.667% of average final compensation (AFC), multiplied by years of creditable service. AFC is defined as the average of the three or five highest salary years, and for benefit calculation purposes only, the final year's compensation cannot exceed by more than 150% the higher of the previous year's compensation or the compensation for the highest year used in the calculation of AFC (not including the final year's compensation). At age 65, the yearly pension amount is recalculated at 1/66 or 1.515% of AFC multiplied by years of creditable service. Members in service with 10 or more years of creditable service is equal to or greater than 70, are entitled to a retirement allowance with the appropriate graduated reduction based on years of creditable service. Members commencing service on or after July 1, 2011 at age 60 with 30 years of creditable service are entitled to a retirement allowance with the appropriate graduated reduction based on years of creditable service.

Group II Members who are age 60, or members who are at least age 45 with at least 20 years of creditable service, can receive a retirement allowance at a rate of 2.5% of AFC for each year of creditable service, not to exceed 40 years. Members commencing service on or after July 1, 2011 or members who have a non-vested status as of January 1, 2012 can receive a retirement allowance at age 52.5 with 25 years of service or age 60. The benefit shall be equal to 2% of AFC times creditable service up to 42.5 years. However, a member who commenced service on or after July 1, 2011 shall not receive a retirement allowance until attaining the age of 52.5, but may receive a reduced allowance after age 50 if the member has at least 25 years of creditable service where the allowance shall be reduced, for each month by which the benefit commencement date precedes the month after which the member attains 52.5 years of age by ¼ of 1% or age 60.

Members of both groups may qualify for vested deferred allowances, disability allowances and death benefit allowances subject to meeting various eligibility requirements. Benefits are based on AFC or earnable compensation and/or service.

Members are required to contribute a percentage of gross earnings to the Pension Plan as more fully described in Note 8. The percentage rates, established by state statute, are dependent upon member group classification. The deductions are made from member wages and are remitted by the employer to the Pension Plan on a monthly basis. If a member leaves employment prior to retirement or vesting, accumulated member contributions plus earned interest are refunded to the withdrawing member or to the designated beneficiary in the case of death. However, accumulated contributions plus interest of a non-vested, non-contributing member may remain in the Pension Plan and continue to earn interest. The interest credited to the inactive member's accumulated contributions will be 2 percentage points less than the assumed rate of return or the actual rate of return, whichever is less as reported in the preceding fiscal year's comprehensive annual financial report, but will not be less than zero.

Employers make monthly contributions to the Pension Plan based on rates determined by periodic actuarial valuations as more fully described in Note 8.

OTHER POSTEMPLOYMENT BENEFIT PLANS (OPEB)

Pursuant to RSA 100-A:52, RSA 100-A:52-a and RSA 100-A:52-b, the NHRS administers four defined benefit postemployment medical subsidy healthcare plans designated in statute by membership type. The four membership groups are Group II Police Officer and Firefighters, Group I Teachers, Group I Political Subdivision Employees and Group I State Employees. Collectively, they are referred to as the OPEB Plans.

The OPEB Plans provide a medical insurance subsidy to qualified retired members. The medical subsidy is a payment made by NHRS toward the cost of health insurance for a qualified retiree, his/her qualified spouse, and his/her certifiably dependent children with a disability who are living in the household and being cared for by the retiree. Under specific conditions, the qualified beneficiaries of members who die while in service may also be eligible for the medical subsidy. The eligibility requirements for receiving OPEB Plan benefits differ for Group I and Group II members. Detailed descriptions of those eligibility requirements can be found in the Actuarial Section beginning on page 74.

Membership of each OPEB plan consisted of the following eligible retirees receiving benefits as of June 30, 2016:

	Number Of	1 Pers	on Plan	2 Pers	son Plan
Plan	Retirees	Pre 65	Post 65	Pre 65	Post 65
Group II Police Officer & Firefighters	2,785	505	1,499	743	38
Group I Teachers	4,341	175	3,740	74	352
Group I Political Subdivision Employees	1,238	63	1,128	13	34
Group I State Employees	1,796	72	1,620	31	73
Total OPEB Membership	10,160	815	7,987	861	497

The number of contributing employers for the OPEB plans at June 30, 2016 is:

Group II Police Officer & Firefighters	203
Group I Teachers	195
Group I Political Subdivision Employees	417
Group I State Employees	6

Membership of each OPEB plan consisted of the following eligible retirees receiving benefits as of June 30, 2015:

	Number Of	1 Person Plan		2 Person Plan	
Plan	Retirees	Pre 65	Post 65	Pre 65	Post 65
Group II Police Officer & Firefighters	2,718	582	1,430	669	37
Group I Teachers	4,411	309	3,681	90	331
Group I Political Subdivision Employees	1,272	95	1,129	15	33
Group I State Employees	1,864	96	1,654	41	73
Total OPEB Membership	10,265	1,082	7,894	815	474

The number of contributing employers for the OPEB plans at June 30, 2015 is:

Group II Police Officer & Firefighters	203
Group I Teachers	192
Group I Political Subdivision Employees	413
Group I State Employees	6

The maximum monthly subsidy amounts paid during fiscal year 2016 and 2015 were as follows:

For qualified retirees not eligible for Medicare the amounts were \$375.56 for a single person plan and \$751.12 for a two person plan. For those qualified retirees eligible for Medicare, the amounts were \$236.84 for a single person plan and \$473.68 for a two person plan. There have been no increases in the monthly maximum subsidy amounts payable since July 1, 2007.

Benefit provisions of the OPEB Plans can be amended only by legislative action taken by the New Hampshire State Legislature pursuant to the authority granted them under the New Hampshire State Constitution. The Legislature may cease providing the medical subsidy benefits under the OPEB Plans, for any reason, at any time.

NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES AND PLAN ASSET MATTERS

BASIS OF ACCOUNTING

The System's financial statements are prepared using the accrual basis of accounting. Both plan member and employer contributions are recognized in the period in which the contributions are legally due. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan.

The financial statements include prior-year summarized comparative information in total but not on a combining plan basis. Such summarized information is not intended to constitute sufficient detail to establish a presentation in accordance with GAAP and, accordingly, should be read in conjunction with the System's financial statements for the year ended June 30, 2015, from which the summarized information was derived.

PRIOR YEAR RECLASSIFICATIONS

Certain 2015 information has been reclassified to conform to the 2016 presentation. These reclassifications had no impact to the Net Position Held in Trust for Pensions and Other Post Employment Benefit.

INVESTMENTS

Investments are reported at fair value.

Investments in both domestic and non-U.S. securities are valued at current market prices and expressed in U.S. dollars. NHRS uses a trade-date accounting basis for these investments. Investments in non-registered commingled funds are valued at net asset value (NAV) as a practical expedient to estimate fair value.

Real estate includes investments in commingled funds. The financial statements for commingled funds are typically audited as of the calendar year-end. The NAVs for real estate investments recorded in this report were obtained from financial statements provided by the general partners of commingled funds. NAVs are used as a practical expedient to estimate fair value. Real estate commingled funds are selected by the System's discretionary real estate manager.

Alternative investments include investments in private equity, private debt and absolute return strategies. The NAVs for alternative investments recorded in this report were obtained from statements provided by the investment managers. These financial statements are typically audited as of the calendar year-end.

Cash and cash equivalents are valued at cost, which approximates fair value. Cash and cash equivalents primarily represent investments in the pooled short term investment fund managed by NHRS' master custodian. This fund invests mainly in high-grade money market instruments with maturities averaging less than three months. The fund provides daily liquidity.

The Plans hold no investments, either directly or indirectly, nor participates in any loans or leases, nor other party-ininterest transactions with any NHRS officials, New Hampshire State Government officials, or parties related to these officials.

MONEY WEIGHTED RATE OF RETURN

The annual money-weighted rate of return at June 30, 2016 was 0.9% and 3.4% for June 30, 2015. The return shows the investment performance net of fees and is adjusted for the timing of cash flows and the changing amounts actually invested.

NEW ACCOUNTING PRONOUNCEMENT

In fiscal year 2016, the System retrospectively implemented the provisions of GASB Statement No. 72 *Fair Value Measurement and Application* (GASB 72), which is effective for governmental entities with fiscal periods beginning after June 15, 2015.

Although adoption of this statement did not materially change the measurement of the System's assets and liabilities, it did enhance disclosures, which have also been applied to the comparable 2015 financial information.

USE OF ESTIMATES

Management of the System has made a number of estimates and assumptions relating to the reporting of assets and liabilities and in the disclosure of contingencies to prepare these financial statements in conformity with U.S. generally accepted accounting principles (GAAP). The System's most significant estimates relate to assumptions made about future events as part of the annual actuarial valuation process, and the valuation of alternative investments. Due to the inherent nature of these estimates, actual results could differ from those estimates.

NOTE 3 - INVESTMENTS AND DEPOSITS

RSA 100-A:15, I, provides separate and specific authorities to the Board of Trustees and the Independent Investment Committee for the management of the funds of the Plans and charges them with exercising the judgment and care under the circumstances then prevailing, which persons of prudence, discretion and intelligence, acting in a like capacity and familiar with such matters, would use in the conduct of a pension plan of like character and with like aims of the Plans.

To aid in the prudent investment of the Plans' assets, NHRS has adopted an Investment Manual which includes an investment policy. Primary components of the investment policy include the delineation of roles and responsibilities of the Board of Trustees, Independent Investment Committee, staff, and service providers; investment objectives; asset allocation policy; and asset class performance measurement and monitoring policy. This policy may be modified by the Board of Trustees as deemed necessary. In addition, the Investment Manual includes asset class guidelines which provide parameters for investment management.

Professional investment managers are bound by policy and contract to a standard of care that establishes a fiduciary relationship, to the extent permitted by law, requiring the manager to act prudently and solely in the best interest of the Plans and beneficiaries. Investment guidelines provide portfolio-level standards for separate account management including permissible investment types; security concentration thresholds; investment restrictions; and benchmarks for performance measurement and monitoring. NHRS utilizes a custodial bank compliance system to monitor the marketable investment portfolios against their respective guidelines.

The System's asset allocation as of June 30, 2016 and 2015, as recommended by the Independent Investment Committee and adopted by the Board of Trustees, is as follows:

ASSET ALLOCATION	2	016	201	5
Asset Class:	Target	Range	Target	Range
Large Cap Equities	22.5%		22.5%	
Small/Mid Cap Equities	7.5%		7.5%	
Total Domestic Equity	30.0%	20–50%	30.0%	20–50%
Int'l Equities (Unhedged)	13.0%		13.0%	
Emerging Int'l Equities	7.0%		7.0%	
Total International Equity	20.0%	15–25%	20.0%	15–25%
Core Bonds	5.0%		5.0%	
Short Duration	2.0%		2.0%	
Global Multi-Sector Fixed Income	11.0%		11.0%	
Absolute Return Fixed Income	7.0%		7.0%	
Total Fixed Income	25.0%	20–30%	25.0%	20–30%
Private Equity	5.0%		5.0%	
Private Debt	5.0%		5.0%	
Opportunistic	5.0%		5.0%	
Total Alternative Investments	15.0%	0–25%	15.0%	0–25%
Real Estate	10.0%		10.0%	
Total Real Estate	10.0%	5–20%	10.0%	5–20%
TOTAL	100.0%		100.0%	

CUSTODIAL CREDIT RISK – DEPOSITS

Custodial credit risk for deposits is the risk that in an event of a bank failure, deposits may not be recovered. NHRS does not have a deposit policy to manage custodial credit risk on deposits.

At June 30, 2016 and June 30, 2015, NHRS held deposits of \$6.7 million and \$5.3 million, respectively, in the local custodian bank. These deposits are fully insured or collateralized and are used to support the daily working capital needs of NHRS.

CUSTODIAL CREDIT RISK – INVESTMENTS

Investment securities are exposed to custodial credit risk if the investment securities are uninsured, are not registered in the name of the Plans, and are held by either:

- a. The counterparty to a transaction or
- b. The counterparty's trust department or agent but not in the Plans' name.

All of the System's securities are held by the System's bank in the System's name.

CONCENTRATION OF CREDIT RISK

Concentration of credit risk is the risk of loss attributable to the magnitude of the Plans' investments in a single issuer. NHRS policy is expressed through individual separate account manager guidelines which limit investments in a single issuer to 10%, or less, of the portfolio value in order to control the overall risk of loss on a total portfolio level. This threshold is set as an upper limit, and in actual practice, managers generally do not reach this limit. Certain securities may be excluded from this limitation due to the nature of the investments (such as U.S. government securities, government-sponsored enterprise obligations, and supranational debt). NHRS fixed income managers have consistently adhered to the established guidelines for issuer concentration. The fixed income commingled fund managers have established investment guidelines regarding concentration of credit risk. The total portfolio is broadly-diversified across equities, fixed income, cash equivalent securities, real estate and alternative investments. Due to this diversification, the concentration of credit risk in a single issuer is below 5% at the total portfolio level.

INTEREST RATE RISK – FIXED INCOME INVESTMENTS

EFFECTIVE DURATION – FIXED INCOME INVESTMENTS

Interest rate risk is the effect on the fair value of fixed income investments from changes in interest rates. Duration measures a debt investment's change in fair value arising from a change in interest rates.

Interest rate risk is illustrated below using the effective duration or option-adjusted methodology. This methodology is widely-used in the management of fixed income portfolios to guantify the risk associated with interest rate changes. The effective duration methodology takes into account the most likely timing and magnitude of variable cash flows, such as callable options, prepayments and other factors, and scales the risk of price changes on bonds depending upon the degree of change in rates and the slope of the yield curve.

The NHRS policy on duration is expressed through individual portfolio guidelines with each investment manager in lieu of a broad, plan-level policy. Duration guidelines have been established with each fixed income manager in order to manage interest rate risk within the separate account portfolios. The fixed income commingled fund managers also have established investment guidelines regarding duration. These provisions specify that the duration of each individual fixed income portfolio will be managed within a specified percentage or number of years relative to its benchmark index. NHRS fixed income managers follow the established guidelines for duration. If there is an occasional exception, the manager prudently remedies the guideline breach.

The following effective duration tables quantify the interest rate risk of the Plans' fixed income assets at June 30, 2016 and 2015:

(dollars in thousands)

Investment Type	Fair Value June 30, 2016	Percentage of Fixed Income Investments	Effective Duration in Years	Weighted Average Effective Duration in Years
Collateralized/Asset Backed Obligations	\$ 172,043	9.7%	4.4	0.4
Corporate Bonds	622,956	35.3%	5.7	2.0
Government and Agency Bonds	559,737	31.7%	5.8	1.8
Commingled Fund	204,997	11.6%	4.5	0.52
Commingled Fund	205,679	11.7%	3.5	0.4
Totals	\$1,765,412	100.0%		5.2

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EFFECTIVE DURATION – FIXED INCOME AT JUNE 30, 2015	(dc	llars in thousands)		
Investment Type	Fair Value June 30, 2015	Percentage of Fixed Income Investments	Effective Duration in Years	Weighted Average Effective Duration in Years
Collateralized/Asset Backed Obligations	\$ 192,791	11.6%	4.4	0.5
Corporate Bonds	541,735	32.6%	5.7	1.9
Government and Agency Bonds	528,210	31.8%	5.8	1.8
Commingled Fund	204,102	12.2%	(0.06)	(0.01)
Commingled Fund	196,253	11.8%	`3.8 ´	0.4
Totals	\$ 1,663,091	100.0%		4.6

CREDIT RISK — FIXED INCOME SECURITIES

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations.

NHRS controls credit risk on debt securities by establishing requirements for average credit quality at the separate account portfolio level and through credit quality standards for individual securities. The NHRS policy on credit quality is expressed through individual portfolio guidelines with each investment manager in lieu of a broad, plan-level policy. The investment guidelines are customized to the individual manager's strategy. NHRS fixed income managers follow established guidelines for credit quality. If there is an occasional exception, the manager prudently remedies the guideline breach. NHRS applies standards with regard to securities rated by nationally recognized statistical rating organizations ("NRSRO") and uses the lowest agency ratings for evaluating the credit quality of a specific security. The fixed income commingled fund managers have established investment guidelines regarding credit risk.

The following schedules illustrate the Plans' fixed income investments as of June 30, 2016 and 2015, including the distribution of those investments by Standard & Poor's quality credit ratings:

CREDIT QUALITY RISK - FIXED INCOM	IE SECURITIE	S AT JUNE	30, 2016			(in thousands)
		Quality Ra	tings ¹			
Investment Type	Fair Value June 30, 201		AA	BBB A or Lower Unrated		
Collateralized/Asset Backed Obligations Corporate Bonds Government and Agency Bonds ² Commingled Fund ³ Commingled Fund ³	\$ 172,043 622,956 273,424 204,997 205,679	\$ 89,585 8,973 45,116 — —	\$ 27,801 55,529 64,101 - 205,679	\$ 15,725 123,373 76,576 204,997 —	\$ 25,483 433,634 70,672 — —	\$13,449 1,447 16,959 — —
Totals	\$1,479,099	\$143,674	\$353,110	\$420,671	\$529,789	\$31,855
Percent of Total Fair Value		9.71%	23.87%	28.44 %	35.82%	2.15%

¹Ratings were derived primarily from Standard & Poor's (S&P). In instances where S&P did not rate a security, the Moody's rating was used.

²Government and Agency Bonds exclude U.S. government securities and securities explicitly guaranteed by the U.S. government (\$286,313) because these securities are not considered to have credit risk.

³Average credit quality rating for the commingled funds was provided by GAM and Manulife respectively.

CREDIT QUALITY RISK - FIXED INCOM		(in thousands)				
		Quality Ra	tings ¹			
Investment Type	Fair Value June 30, 201		AA	А	BBB or Lower	Unrated
Collateralized/Asset Backed Obligations	\$ 192,791	\$108,174	\$ 23,953	\$ 16,291	\$ 37,201	\$ 7,172
Corporate Bonds	541,735	7,403	35,745	175,308	322,618	661
Government and Agency Bonds ²	262,688	45,390	53,689	71,768	79,064	12,777
Commingled Fund ³	204,102	_	204,102	_	_	_
Commingled Fund ³	196,253	_	_	196,253	—	_
Totals	\$1,397,569	\$160,967	\$317,489	\$459,620	\$438,883	\$20,610
Percent of Total Fair Value		11.52 %	22.72%	32.89 %	31.40%	1.47%

¹Ratings were derived primarily from Standard & Poor's (S&P). In instances where S&P did not rate a security, the Moody's rating was used.

²Government and Agency Bonds exclude U.S. government securities and securities explicitly guaranteed by the U.S. government (\$265,522) because these securities are not considered to have credit risk.

³Average credit quality rating for the commingled funds was provided by GAM and Manulife respectively.

Investments in asset-backed and mortgage-backed securities are reported at fair value. Although not generally considered to be derivatives, asset-backed and mortgage-backed securities receive cash flows from interest and principal payments on the underlying assets and mortgages. As a result, they are exposed to prepayment risk. As of June 30, 2016 and 2015, the Plans' combined investment in asset-backed and mortgage-backed securities held in separate account portfolios to-taled \$129.9 million and \$146.1 million, respectively.

FOREIGN CURRENCY RISK – INVESTMENTS:

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment.

NHRS manages its foreign currency risk primarily through its strategic asset allocation policy. As of June 30, 2016, investments in non-U.S. equity securities have a target asset allocation of 20% of total investments with a target range of 15–25%. As of June 30, 2016, non-U.S. fixed income securities represent 3.3% of the total investments as a result of the managers' security selection process. Non-U.S. investments are permitted in the alternative investment asset class, which includes private equity, private debt and absolute return strategy investments. The target allocation for alternative investments is 15% and the NHRS investment policy does not set limits for foreign investments in this asset class. The target allocation for real estate investments is 10%, and up to 35% of the Plans' real estate allocation may be invested in non-U.S. investments.

In addition, foreign currency risk is mitigated through the investment guidelines. NHRS manages its foreign exposure by requiring that separate account managers diversify their non-U.S. portfolios by country, sector and issuer to limit both foreign currency risk and security risk. Managers of commingled funds have discretion over their respective investment guidelines which must be consistent with strategies approved by the NHRS. In certain instances, where permitted in the investment guidelines, investment managers may also use foreign currency forward contracts to hedge against foreign currency risk.

AS OF JUNE 30, 2016 Currency	Equity*	Fixed Income	Real Estate & Alternative Investments	Cash and Cash Equivalents	Totals
Argentine Peso	\$ —	\$ —	\$ —	\$2	\$ 2
Australian dollar	11,983	29,469	_	_	41,452
Brazilian real	2,844	20,607	—	_	23,451
British pound sterling	102,611	17,533	6,894	18	127,056
Canadian dollar	12,335	21,135	_	_	33,470
Danish krone	12,244	—	—	—	12,244
Euro	167,017	14,621	49,905	46	231,589
Hong Kong dollar	50,196	—	—	—	50,196
Hungarian forint	_	12,209	—	—	12,209
ndonesian rupiah	2,551	14,800	—	—	17,35
Japanese yen	82,867	_	20,118	979	103,964
Valaysian ringgit	_	14,262	—	—	14,26
Vexican new peso	1,345	55,454	—	—	56,799
New turkish lira	2,655	—	—	—	2,65
New Zealand dollar	_	25,803	_	_	25,803
Norwegian krone	_	4,775	_	_	4,77
Polish zloty	_	6,657	_	_	6,65
South African rand	_	10,011	—	_	10,01
South Korean won	15,504	_	_	_	15,504
Swedish krona	6,185	—	_	_	6,18
Swiss franc	75,953	_	_	_	75,95
Furkish lira	1,177	_	_	_	1,17
Total investments subject to					
foreign currency risk	\$547,467	\$247,336	\$76,917	\$ 1,045	\$ 872,76

The Plans' exposure to foreign currency risk at June 30, 2016 and 2015 is presented on the following schedules:

*NHRS also invests in commingled funds where foreign currency risk information is not available. As a result, totals for equity shown on this schedule will not match the total non-U.S. equity shown on the Combining Statements of Fiduciary Net Position.

FOREIGN CURRENCY RISK	- NON-U.S. INVESTMENTS
AS OF JUNE 30, 2015	

(in thousands)

Currency	Equity*	Fixed Income	Real Estate & Alternative Investments	Cash and Cash Equivalents	Totals
Argentine peso	\$ —	\$ —	\$ —	\$ 3	\$ 3
Australian dollar	10,107	29,139	_	—	39,246
Brazilian real	2,991	16,835	_	_	19,826
British pound sterling	116,907	432	9,792	37	127,168
Canadian dollar	13,029	22,079	_	_	35,108
Danish krone	15,830	_	_	—	15,830
Euro	185,704	28,538	11,272	—	225,514
Hong Kong dollar	71,976	_	_	—	71,976
Hungarian forint	_	11,771	_	_	11,771
Indonesian rupiah	2,423	13,966	_	—	16,389
Japanese yen	85,199	_	18,549	65	103,813
Malaysian ringgit	_	8,683	_	_	8,683
Mexican new peso	1,940	55,852	_	—	57,792
New turkish lira	1,393	_	_	_	1,393
New Zealand dollar	_	23,863	_	—	23,863
Norwegian krone	_	5,223	_	—	5,223
Polish zloty	_	6,711	_	_	6,711
Singapore dollar	5,138	_	_	—	5,138
South African rand	_	12,791	_	—	12,791
South Korean won	14,930	13,778	_	_	28,708
Swedish krona	9,830	_	_	_	9,830
Swiss franc	95,568	_	_	_	95,568
Total investments subject to					
foreign currency risk	\$632,965	\$249,661	\$39,613	\$105	\$ 922,344

*NHRS also invests in commingled funds where foreign currency risk information is not available. As a result, totals for equity shown on this schedule will not match the total non-U.S. equity shown on the Combining Statements of Fiduciary Net Position.

DERIVATIVES

Derivative instruments are contracts whose values are based on the valuation of an underlying asset, reference rate or index. Derivatives include futures, options, forward contracts and forward foreign currency exchanges. NHRS managers may enter into certain derivative instruments primarily to enhance the efficiency and reduce the volatility of the portfolio. As of June 30, 2016, there was \$2.6 million invested in equity futures and there were no investments in options within the separate account portfolios. As of June 30, 2015, there was \$7.6 million invested in equity futures and there were no investments in options within the separate account portfolios. The NHRS investment policy and certain investment manager guidelines allow for the use of derivative instruments. The use of futures, options, or forward contracts is not permitted for any speculative hedging or leveraging of the portfolios and is prohibited in separate account mandates. Managers of commingled funds have discretion over their respective investment guidelines which may allow for the use of derivative instruments.

The Plans could be exposed to risk if the counterparties to the contracts are unable to meet the terms of the contracts. To mitigate this risk, investment managers conduct assessments of their counterparties and utilize exchanges which have trading standards.

NHRS managers may use futures, options, and foreign currency exchange contracts in order to manage currency risk or initiate transactions in non-U.S. investments. NHRS may be positively or negatively impacted by foreign currency risk due to fluctuations in the value of different currencies. The Plans could be exposed to risk if the counterparties to the contracts are unable to meet the terms of the contracts. To mitigate this risk, investment managers conduct assessments of their counterparties and utilize exchanges which have trading standards. The fair value of open foreign currency exchange contracts including unrealized appreciation or depreciation is recorded on the Statements of Net Plan Assets as Due from Brokers for Securities Sold and as Due to Brokers for Securities Purchased.

Foreign currency exchange contracts open at June 30, 2016 and 2015 are shown below and on the following page:

OPEN FOREIGN CURRENCY EXC AT JUNE 30, 2016	HANGE CO	ONTRACTS	6		(i	n thousands
	Local Currency Amount	Effective Date	Maturity Date	Original Foreign Exchange Rate	Unrealized Appreci- ation	Unrealized (Depre- ciation)
Foreign currency exchange contracts purchased:						
Chilean Peso	3,498,200	3/4/16	7/8/16	689.4000000 CLP / USD	208	_
Chilean Peso	1,266,000	5/11/16	8/19/16	684.9000000 CLP / USD	56	_
Chilean Peso	2,720,000	5/24/16	9/26/16	700.9000000 CLP / USD	198	_
Chilean Peso	3,010,000	6/8/19	10/21/16	679.9200000 CLP / USD	76	_
Chilean Peso	3,719,000	6/21/16	11/7/16	683.8700000 CLP / USD	117	_
Euro	12,030	5/6/16	8/10/16	1.1457150 EUR / USD	_	(401)
Euro	390	5/9/16	8/10/16	1.141540 EUR / USD	_	(11)
Euro	2,030	5/10/16	8/10/16	1.140195 EUR / USD	_	(56)
Euro	1,570	5/12/16	8/10/16	1.141040 EUR / USD	_	(45)
Euro	640	6/28/16	8/10/16	1.110820 EUR / USD	_	—
Euro	60	6/29/16	7/1/16	0.900576 EUR / USD	_	_
uro	206	6/30/16	7/1/16	0.904857 EUR / USD	1	_
uro	7	6/30/16	7/5/16	0.904756 EUR / USD	_	
apanese Yen	55,561	6/28/16	7/1/16	102.337500 JPY / USD	_	(1)
apanese Yen	22,149	6/29/16	7/1/16	102.672000 JPY / USD	_	
apanese Yen	3,301	6/30/16	7/5/16	102.764000 JPY / USD	_	_
ndian Rupee	1,034,000	6/9/16	9/21/16	67.771000 INR / USD	_	(137)
lorwegian Krone	74,900	4/14/16	7/13/16	8.23065 NWK /USD	_	(149)
Swedish Krona	824	6/30/16	7/1/16	8.492420 SWK / USD	_	
Swedish Krona	53,200	4/28/16	7/14/16	8.043700 SWK / USD	_	(332)
Swedish Krona	50,100	4/15/16	7/14/16	8.103800 SWK / USD	_	(267)
Swedish Krona	82,800	5/17/16	8/22/16	8.205350 SWK / USD	_	(298)
Swiss Franc	46	6/30/16	7/1/16	0.9785880 CHF / USD	_	_
Foreign currency exchange contracts sold:						
Japanese Yen	112	6/29/16	7/5/16	0.009748 USD / JPY	_	_
japanese Yen	110	6/28/16	7/1/16	0.009748 USD / JPY	_	_
lapanese Yen	929	6/30/16	7/5/16	0.009748 USD / JPY	_	(6)
apanese Yen	113	6/30/16	7/5/16	0.009748 USD / JPY	_	
ound Sterling	264	6/29/16	7/1/16	1.336800 USD / GBP	2	_
Pound Sterling	827	6/29/16	7/1/16	1.336800 USD / GBP	4	_
Pound Sterling	454	6/30/16	7/5/16	1.336806 USD / GBP	_	(4)
Pound Sterling	1,293	6/30/16	7/5/16	1.336806 USD / GBP	—	(14)
F otals					\$662	\$(1,721)

OPEN FOREIGN CURRENCY EXCHANGE CONTRACTS AT JUNE 30, 2015

Euro

Euro

Euro

Euro

Euro

Original Foreign Unrealized Unrealized Local Currency Effective Maturity Exchange Appreci-(Depreciation) Amount Date Date Rate ation Foreign currency exchange contracts purchased: Chilean Peso 3,719,000 3/12/15 7/24/15 641.0000000 CLP / USD 2 Chilean Peso 3,498,200 4/8/15 8/10/15 617.7000000 CLP / USD (213)Chilean Peso 1,266,000 5/5/15 9/16/15 618.4000000 CLP / USD (82) Chilean Peso 2.720.000 5/26/15 9/28/15 619.5800000 CLP / USD (172)Chilean Peso 3,010,000 6/17/15 10/19/15 645.1000000 CLP / USD (6) 6/29/15 7/2/15 1.1207000 EUR / USD 136 191 6/30/15 7/2/15 1.115100 EUR / USD (4) 600 6/26/15 7/8/15 1.120319 EUR / USD 6/3/15 8/12/15 1.128010 EUR / USD (35)2 660 Hong Kong dollar 6/29/15 339 7/2/15 7.752200 HKD / USD Hong Kong dollar 138 6/30/15 7/2/15 7.752508 HKD / USD 65.090000 INR / USD 980,000 6/11/15 9/16/15 155 Indian Rupee Japanese Yen 35,203 6/22/15 7/1/15 123.016700 JPY / USD 1 (87) Norwegian Krone 74.900 4/16/15 7/20/15 7.79940 NWK /USD Swedish Krona 82,800 4/16/15 7/20/15 8.638460 SWK / USD 397 Swiss Franc 62 6/29/15 7/1/15 0.9264000 CHF / USD Swiss Franc 58 6/30/15 7/2/15 0.9347000 CHF / USD ____ Foreign currency exchange contracts sold: 29,058 5/7/15 8/12/15 1.114807 USD / EUR 452 Japanese Yen 6/26/15 7/1/15 0.008172 USD / JPY 26 New Zealand dollar 10,172 4/13/15 7/16/15 0.675476 USD / NZD 856 **Totals** \$1,863 \$(599)

(in thousands)

NOTE 4 FAIR VALUE MEASUREMENTS OF INVESTMENTS

In accordance with GASB 72, except for investments measured using NAV as a practical expedient to estimate fair value, the System categorizes the fair value measurements of its investments within the fair value hierarchy established by U.S. GAAP. The fair value hierarchy categorizes the inputs to valuation techniques used for fair value measurement into three levels as follows:

- Level 1 Inputs that reflect quoted prices (unadjusted) in active markets for identical assets or liabilities that the fund has the ability to access at the measurement date. Most of the System's directly held marketable equity securities would be examples of Level 1 investments.
- Level 2 Inputs other than quoted prices that are observable for an asset of liability either directly or indirectly, including inputs in markets that are not considered to be active. Because they must often be priced on the basis of transactions involving similar but not identical securities or do not trade with sufficient frequency, certain directly held fixed income securities are categorized in Level 2.
- Level 3 Unobservable inputs based on the best information available, using assumptions in determining the fair value of investments and derivative financial instruments. The System had no level 3 investments as of June 30, 2016 and 2015.

The fair value hierarchy gives the highest priority to Level 1 inputs and the lowest priority to Level 3 inputs. In certain instances where the determination of the fair value measurement is based on inputs from different levels of the fair value hierarchy, the level in the fair value hierarchy is based on the lowest level of input that is significant to the fair value measurement.

Investments are reported at fair value. If an investment is held directly by the System and an active market with quoted prices exists, such as for domestic equity securities, the market price of an identical security is used to report fair value and is classified in Level 1. Corporate fixed income securities and certain government securities utilize pricing that may involve estimation using similar securities or trade dates and are classified in Level 2. Fair values for shares in registered mutual funds and exchange-traded funds are based on published share prices and classified in Level 1. Investments in real estate, private equity and private debt funds are generally reported at the net asset value (NAV) reported by the fund managers and assessed as reasonable by the System, which is used as a practical expedient to estimate the fair value of the System's interest therein, unless it is probable that all or a portion of the investment will be sold for an amount different from NAV. At June 30, 2016 and 2015 the System had no plans or intentions to sell investments at amounts different from NAV.

NAVs determined by fund managers generally consider variables such as operating results, pricing from market exchanges, comparable earnings multiples, projected cash flows, recent sales prices, and other pertinent information, and may reflect discounts for the illiquid nature of certain investments held. Because of the inherent uncertainties of valuation, the estimated fair values used in NAV calculations may differ significantly from values that would have been used had a ready market existed, and the differences could be material.

	2010											
			Fa	ir Value Me	asu	rements L	Jsing		(ir	thousands)		
Investments at Fair Value		Total	Act for Id	ted Prices in ive Markets entical Assets (Level 1)	Ob	gnificant Other servable Inputs Level 2)	Significan Unobservab Inputs (Level 3)		Net Asset Value (NAV)	Unfunded Commitments		
Short-term: Cash and Cash Equivalents	\$	140,787	\$	140,787	\$		\$-		\$ —	\$ —		
Fixed Income:	Ψ	140,707	Ψ	140,707	Ψ		φ-		φ —	φ —		
U.S Government Obligations (1)		286,313		246,469		39,844	-	_	_	_		
Domestic Fixed Income (2)		821,087		5,904		815,183	-	_	_	_		
Commingled Funds (3)		410,676		—		_	-	_	410,676	_		
International Fixed Income (4)		247,336		_		247,336	-	_	_	_		
Equity:												
Domestic Equity Securities	2	2,590,619	2	2,587,812		2,807	-	_		_		
Commingled Funds (5)		544,447				—	-	_	544,447	_		
International Equity Securities		558,515		558,515		—	-	_	—	_		
Real Estate:												
Real Estate Funds (6)		787,937		—		—	-	_	787,937	111,172		
Alternative Investments:												
Private Equity (7)		453,602		_		_	-	_	453,602	615,073		
Private Debt (8)		324,961		_		—	-	_	324,961	194,325		
Opportunistic (9)		206,410		_		_	-	_	206,410			
Total Investments	\$7	7,372,690	\$3	3,539,487	\$1	,105,170	\$-	-	\$2,727,992	\$920,570		
						201	5					

		Fair Value Me	easurements	Jsing	(ir	n thousands)
Investments at Fair Value	Total	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Net Asset Value (NAV)	Unfunded Commitments
Short-term: Cash and Cash Equivalents	\$ 171,369	\$ 171,369	\$ —	\$-	\$ —	\$ —
Fixed Income: U.S Government Obligations (1) Domestic Fixed Income (2) Commingled Funds (3) International Fixed Income (4)	265,523 747,551 400,356 249,661	5,025 6 —	67,892 742,526 249,661	_ _ _	 400,356 	_ _ _
Equity: Domestic Equity Securities Commingled Funds (5) International Equity Securities	2,982,939 593,411 644,101	—	2,762 	_ _ _	593,411 	_ _ _
Real Estate: Real Estate Funds (6)	676,603	3 —	_	_	676,603	102,000
Alternative Investments: Private Equity (7) Private Debt (8) Opportunistic (9)	310,576 203,728 214,839	3 —		_ _ _	310,576 203,728 214,839	512,945 123,730 —
Total Investments	\$7,460,657	\$3,998,303	\$1,062,841	\$-	\$2,399,513	\$738,675

Fiscal 2016 rates range from 0.625% to 6.770%, and maturities from 2017 to 2046. Fiscal 2015 rates range from 0.250% to 6.770%, and maturities from 2015 to 2045.

(2) Fiscal 2016 rates range from 0.00% to 10.500%, and maturities from 2016 to 2057. Fiscal 2015 rates range from 0.875% to 11.000%, and maturities from 2015 to 2066.

(3) This represents investments in two commingled fixed income funds that invest globally in both developed and emerging markets with investments consisting primarily of corporate bonds (investment grade and high yield), sovereign bonds and securitized bonds. These funds may also invest in convertible bonds and currencies. The redemption frequency for these investments range from daily to monthly with one to 30 business days' prior written notice.

- (4) Fiscal 2016 rates range from 0.250% to 10.250%, and maturities from 2016 to 2064. Fiscal 2015 rates range from 0.250% to 10.250%, and maturities from 2015 to 2050.
- (5) This represents investments in four commingled equity funds in fiscal 2016 and five in fiscal 2015 that invest primarily in common stock of companies located outside the U.S., including emerging markets. These investments have daily liquidity and require up to 10 business days' notice for redemption.
- (6) This represents investments in 45 funds consisting of 10 open-end funds and 35 closed-end funds. The open-end funds can be redeemed on a quarterly basis with 45-90 days' notice periods. The closed-end funds are not redeemable and are expected to be liquidated between 2016 and 2025. Beginning in 2010, the System's real estate portfolio was restructured from direct property holdings to a diversified portfolio of funds. As such, 40 of the 45 fund investments have been made during the period from 2010 to 2016.
- (7) This represents 30 investments in private partnerships focused primarily on the following strategies: buyouts, growth equity, secondaries and energy. These private partnerships typically have 10 to 15 year life cycles during which limited partners are unable to redeem their positions, but instead, receive distributions as the partnerships liquidate their underlying assets.
- (8) This represents 16 investments in private partnerships focused primarily on the following strategies: direct lending, mezzanine and distressed debt.
 These private partnerships typically have 10 to 15 year life cycles during which limited partners are unable to redeem their positions, but instead, receive distributions from coupon payments and/or as the partnerships liquidate their underlying asset.
- (9) SLI GARS is held within the Opportunistic sleeve of the Alternative Investments asset allocation as SLI GARS is an "unconstrained/go anywhere" manager that invests across various geographies and asset classes including equity, credit, interest rates, currencies and real estate. This manager invests on an opportunistic basis to take advantage of market dislocations.

NOTE 5-FUNDING PROGRESS - OPEB PLANS

SCHEDULE OF FUNDING PROGRESS - OPEB PLANS

(\$ in thousands)

The funding status of the OPEB Plans is as follows:

		Acturial Accrue	d			UAAL as a
Actuarial Valuation Date	Actuarial Value of Assets (a)	Liability (AAL)- Entry Age (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	Percentage o Covered Payroll ([b-a]/c)
Group II — Po	lice Officers & Fir	efighters				
06/30/16	\$ 10,539	\$347,619	\$337,080	3.0%	\$ 399,331	84.4%
06/30/15	\$ 10,306	\$313,933	\$303,627	3.3%	\$ 396,818	76.5%
06/30/14	\$ 9,401	\$331,744	\$322,343	2.8%	\$ 385,524	83.6%
06/30/13	\$ 8,686	\$337,097	\$328,411	2.6%	\$ 382,563	85.8%
06/30/12	\$ 8,813	\$336,241	\$327,428	2.6%	\$ 374,321	87.5%
Group I — Tea	chers					
06/30/16	(\$ 4,605)*	\$251,661	\$256,266	(1.8%)	N/A	N/A
06/30/15	(\$ 13,305)	\$229,404	\$242,709	(5.8%)	N/A	N/A
06/30/14	(\$ 11,248)	\$238,681	\$249,929	(4.7%)	N/A	N/A
06/30/13	(\$ 10,314)	\$245,465	\$255,779	(4.2%)	N/A	N/A
06/30/12	(\$ 9,097)	\$254,850	\$263,947	(3.6%)	N/A	N/A
Group I — Pol	itical Subdivision	Employees				
06/30/16	\$ 19,968	\$ 57,462	\$ 37,494	34.7%	N/A	N/A
06/30/15	\$ 21,961	\$ 58,609	\$ 36,648	37.5%	N/A	N/A
06/30/14	\$ 22,767	\$ 65,506	\$ 42,739	34.8%	N/A	N/A
06/30/13	\$ 23,356	\$ 67,667	\$ 44,311	34.5%	N/A	N/A
06/30/12	\$ 25,519	\$ 73,254	\$ 47,735	34.8%	N/A	N/A
Group I — Sta	te Employees					
06/30/16	\$ 1,448	\$ 73,389	\$ 71,941	2.0%	N/A	N/A
06/30/15	\$ 553	\$ 73,716	\$ 73,163	0.7%	N/A	N/A
06/30/14	\$ 325	\$ 78,172	\$ 77,847	0.4%	N/A	N/A
06/30/13	\$ 95	\$ 81,643	\$ 81,548	0.1%	N/A	N/A
06/30/12	(\$ 917)	\$ 88,414	\$ 89,331	(1.0%)	N/A	N/A

*The Group I Teachers OPEB plan currently has a negative balance due to higher than anticipated retirement rates, lower than expected payroll growth and the lag of when contribution rates are set vs. when they become effective. Although this is a closed group, meaning members who are currently working and contributing will not qualify for this benefit, this plan continues to pay benefits to retirees who were eligible for this benefit at the time of their retirement. This negative balance has been addressed and is currently being collected through higher contribution rates.

Actuarial valuations of an ongoing plan involve estimates of the value of reported amounts and assumptions about the probability of occurrence of events far into the future. Examples include assumptions about future employment, mortality, and pension and healthcare cost trends. Actuarially determined amounts are subject to continual revision as actual results are compared with past expectations and new estimates are made about the future. The schedules of funding progress, presented as required supplementary information following the notes to the financial statements, present multi-year trend information about whether the actuarial values of plan assets are increasing or decreasing over time relative to the actuarial accrued liabilities for benefits.

The table below summarizes the actuarial methods and assumptions used for completing the actuarial valuation on the OPEB plans.

Methods and Assumptions	OPEB Plans
Valuation Date	06/30/2016
Actuarial Cost Method	Entry age normal
Amortization Method	Level percentage of payroll, closed
Equivalent single amortization period	14 years*
Asset valuation method	5-year smoothed market
Actuarial Assumptions:	
Investment rate of return*	3.25%
Projected salary increases*	3.75% to 25.25%
*Includes Price Inflation at	2.5%
Rate of Payroll Growth	3.25%
Valuation Health Care Trend Rate	N/A — The OPEB Plans provide a specific dollar subsidy to be used for health care. The subsidy increased 8.0% for fiscal year 2007 by statute. There have been no annual increases since July 1, 2007

*The ARC is based on the greater of a 20-year amortization period or the amount necessary to meet cash flow. The equivalent single amortization period shown is based on the total 401(h) contributions.

The Schedule of Employer Contributions provided in required supplementary information presents trend information about the amounts contributed to the plans by employers in comparison to the ARC, an amount that is actuarially determined in accordance with the parameters of GASB Statement 43. The ARC represents a level of funding that, if paid on an ongoing basis, is projected to cover normal cost for each year and amortize any unfunded actuarial liabilities (or funding excess) over a period not to exceed thirty years.

Calculations are based on the benefits provided under the terms of the substantive plan in effect at the time of each valuation and on the pattern of sharing of costs between employer and plan members to that point.

The actuarial methods and assumptions used include techniques that are designed to reduce the effects of short-term volatility in actuarial accrued liabilities and the actuarial value of assets, consistent with the long-term perspective of the calculations. Additional information can be found in the actuarial section of this report.

NOTE 6 - NET PENSION LIABILITY OF EMPLOYERS - PENSION PLAN

The net pension liability of employers as of June 30 is shown below:

CHEDULE OF NET	PENSION LIABILITY OF EI	MPLOYERS		(\$ in thousands
Fiscal Year Ended	(a) Total Pension Liability	(b) Plan Net Position	(c) Net Pension Liability (a–b)	(d) Plan Net Position as a % of Total Pension Liability (b/a)
6/30/2016 6/30/2015 6/30/2014 6/30/2013	\$12,751,913 \$11,471,453 \$11,144,214 \$10,708,768	\$7,434,318 \$7,509,926 \$7,390,628 \$6,404,984	\$5,317,595 \$3,961,527 \$3,753,586 \$4,303,784	58.3% 65.5% 66.3% 59.8%

ACTUARIAL ASSUMPTIONS

The total pension liability as of June 30, 2016 is based on an actuarial valuation performed as of June 30, 2015 rolled forward to the measurement date of June 30, 2016. The roll-forward procedure increases the June 30, 2015 actuarial accrued liability with normal cost and interest and decreases it with actual benefit payments and administrative expenses paid. The asset allocation is recommended by the Independent Investment Committee and approved by the Board of Trustees. Plan assets are managed on a total return basis with a long-term objective of achieving and maintaining a fully funded status for the benefits provided. The following table displays the approved asset allocation for 2016 and the geometric real rates of return for each asset class:

LONG-TERM EXPECTED REAL RATE OF RETURN*

		Weighted Average Long-Term Expected Real Rate of Return
Asset Class	Target Allocation	2016
Large Cap Equities	22.50%	4.25%
Small/Mid Cap Equities	7.50%	4.50%
Total Domestic Equity	30.00%	
Int'l Equities (unhedged)	13.00%	4.75%
Emerging Int'l Equities	7.00%	6.25%
Total International Equity	20.00%	
Core Bonds	5.00%	0.64%
Short Duration	2.00%	- 0.25%
Global Multi-Sector Fixed Income	11.00%	1.71%
Absolute Return Fixed Income	7.00%	1.08%
Total Fixed Income	25.00%	
Private Equity	5.00%	6.25%
Private Debt	5.00%	4.75%
Opportunistic	5.00%	3.68%
Total Alternative Investments	15.00%	
Real Estate	10.00%	3.25%
TOTAL	100.00%	

*Real rates of return are presented net of the inflation assumption, which was 2.5% for 2016.

A single discount rate of 7.25% was used to measure the total pension liability. This single discount rate was based on the expected rate of return on pension plan investments of 7.25%, which is not reported net of the inflation assumption used to obtain the real weighted returns shown above. The projection of cash flows used to determine this single discount rate assumed that employer contributions will be made under the current statute RSA 100-A:16 and that plan member contributions will be made under RSA 100-A:16. Based on these assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments to current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

The following table provides the sensitivity of the net pension liability to changes in the discount rate. In particular, the table presents the plan's net pension liability, if it were calculated using a single discount rate that is one-percentage-point lower or one-percentage-point higher than the single discount rate:

SENSITIVITY	Y OF THE NET	PENSION LIABILITY	TO THE SINGL	.E		
DISCOUNT	RATE ASSUMP	TION				(\$ in thousands)
Fiscal Year Ended	1% Decrease to 6.25%	Current Single Rate Assumption 7.25%	1% Increase to 8.25%	1% Decrease to 6.75%	Current Single Rate Assumption 7.75%	1% Increase to 8.75%
6/30/2016 6/30/2015	\$6,832,748	\$5,317,595	\$4,061,017	\$5,214,835	\$3,961,527	\$2,893,074

The June 30, 2015 actuarial valuation rolled forward to June 30, 2016 used the following actuarial assumptions:

Price Inflation	2.5% per year
Wage Inflation	3.25% per year
Salary Increases	3.2% average, including inflation
Investment Rate of Return	7.25% per year
Retirement Age	Experience-based table of rates that is specific to the type of eligibility condition. Last updated for the 2015 valuation pursuant to an experience study of the period 2011–2015.
Mortality	RP-2014 mortality tables, generationally projected with Scale MP-2015.

NOTE 7-SIGNIFICANT CHANGES IN ACTUARIAL ASSUMPTIONS AND BENEFIT PROVISIONS OCCURRING SINCE THE JUNE 30, 2015 ACTUARIAL VALUATION

Changes in actuarial assumptions for fiscal year 2016:

Economic Assumptions:

- The assumed investment rate of return and discount rate was reduced from 7.75% to 7.25%
- The wage inflation rate was reduced from 3.75% to 3.25%
- The price inflation assumption was reduced from 3.00% to 2.50%

Demographic Assumptions were changed in the following categories:

- · Rates of Disability
- Rates of Retirement
- Rates of Withdrawal
- Mortality

A full experience study that details all assumption changes can be viewed at https://www.nhrs.org/docs/default-source/ac-tuarial/july-1-2010—june-30-2015-experience-study.pdf?sfvrsn=4

Legislation was enacted in the 2016 legislative session which:

There were none.

NOTE 8-CONTRIBUTIONS

PENSION PLAN

As a condition of participation, members are required to contribute a set percentage of their salary to the Pension Plan. The percentage rates, as outlined below, are set by statute under RSA 100-A:16 and depend on the member's group affiliation.

RSA 100-A:16 outlines the employer contributions made to the Pension Plan. Employer contributions to the Pension Plan since fiscal year 2007 have been determined on an actuarial basis using the entry age normal cost method.

The annual covered payroll for the year ended June 30, 2016 is \$2.6 million and the annual covered payroll for the fiscal year ended June 30, 2015 was \$2.58 million.

The following tables show the percentages of gross payroll contributed by the State, other contributing employers, and members to the pension plan and the OPEB plans.

TOTAL CONTR	IBUTION RATE	es — Pensi	ON PLAN					
	Marrahar	(FY 20	16)		Manahan	(FY 20	15)	
Member Category	Member Normal Share	Emp State	oloyer Normal S Local	hare Total	Member Normal Share	E State	mployer Normal S Local	hare Total
Employees								
Śtate	7.00%	10.86%	_	10.86%	7.00%	10.51%	_	10.51%
Local	7.00%	_	10.86%	10.86%	7.00%	_	10.44%	10.44%
Teachers	7.00%	_	12.72%	12.72%	7.00%	_	11.96%	11.96%
Police Officers								
State	11.55%	22.54%	_	22.54%	11.55%	21.45%	_	21.45%
Local	11.55%	_	22.54%	22.54%	11.55%	_	21.35%	21.35%
Firefighters								
State	11.80%	25.32%	_	25.32%	11.80%	23.90%	_	23.90%
Local	11.80%	_	25.32%	25.32%	11.80%	_	23.79%	23.79%

OPEB PLAN

In accordance with RSA 100-A:53, RSA 100-A:53-b, RSA 100-A:53-c and RSA 100-A:53-d, benefits are provided by a 401(h) subtrust of the Pension Plan.

The OPEB Plans are funded by allocating to the 401(h) subtrust the lesser of:

- a.) 25% of all employer contributions made in accordance with RSA 100-A:16; or
- b.) the percentage of employer contributions determined by the actuary to be the minimum rate necessary to maintain the benefits provided under RSA 100-A:53, RSA 100-A:53-b, RSA 100-A:53-c and RSA 100-A:53-d.

For fiscal year 2016, the minimum rates determined by the actuary to maintain benefits were the lesser of the two options and were used to determine the employer contributions due to the 401(h) subtrust.

The State Legislature has the authority to establish, amend and discontinue the contribution requirements of the OPEB Plans. Administrative costs are allocated to the OPEB Plan based on fund balances.

TOTAL CONTRIBUTION RATES - OPEB PLANS

		(FY 201	6)		Manakan	(FY 20	15)	
Member Category	Member Normal Share	Emp State	loyer Normal Sh Local	nare Total	Member Normal Share	E State	mployer Normal Sha Local	are Total
Employees								
State	_	1.64%	_	1.64%	_	1.62%	_	1.62%
Local	_	_	.31%	.31%	_	_	.33%	.33%
Teachers	_	_	2.95%	2.95%	_	_	2.20%	2.20%
Police Officers								
State	_	3.84%	_	3.84%	_	3.95%	_	3.95%
Local	_	_	3.84%	3.84%	_	_	3.95%	3.95%
Firefighters								
State	_	3.84%	_	3.84%	_	3.95%	_	3.95%
Local	_	_	3.84%	3.84%	_	_	3.95%	3.95%

The following tables show the amounts contributed by participating employers and members and these contributions expressed as a percentage of the respective covered payrolls.

TOTAL AMOUNT		UTED — PEI		ID OPEB PLANS	\$		(in	thousands)
Member Category	Member Normal Share**	(FY 201 Emp Pension Plan*	6) loyer Normal S OPEB Plans*	Ghare Total Contributions	Member Normal Share**	(FY 201 En Pension Plan*	5) nployer Normal S OPEB Plans*	Share Total Contributions
Employees	\$ 82,661	\$124,484	\$10,529	\$217,674	\$ 81,656	\$118,208	\$10,400	\$210,264
Teachers	76,681	136,335	31,791	244,807	74,770	124,137	22,557	221,464
Police Officers	34,031	65,589	11,166	110,786	33,414	61,098	11,276	105,788
Firefighters	14,576	30,926	4,688	50,190	14,223	28,704	4,682	47,609
Total Contributed	\$207,949	\$357,334	\$58,174	\$623,457	\$204,063	\$332,147	\$48,915	\$585,125

*Includes contributions made by both State and local employers

**Includes voluntary member contributions of \$4.6 million in FY 2016 and \$5.4 million in FY 2015.

TOTAL AMOUNTS CONTRIBUTED EXPRESSED AS A PERCENTAGE OF COVERED PAYROLL PENSION AND OPEB PLANS

	Member	(FY 2010 Emple	6) over Normal S	Share	Member	(FY 2015 Em	i) plover Normal S	Share
Member Category	Normal Share**	Pension Plan*	OPEB Plans*	Total Contributions	Normal Share	Pension Plan*	OPEB Plans*	Total Contributions
Employees	7.27%	10.95%	0.93%	19.15%	7.24%	10.49%	0.92%	18.65%
Teachers	7.20%	12.79%	2.98%	22.97%	7.12%	11.82%	2.15%	21.09%
Police Officers	12.13%	23.38%	3.98%	39.49%	11.95%	21.86%	4.03%	37.84%
Firefighters	12.27%	26.04%	3.95%	42.26%	12.13%	24.48%	3.99%	40.60%
Total Contributed	7.99%	13.74%	2.24%	23.97%	7.92%	12.90%	1.90%	22.72%

As a matter of practice, actual contribution rates are determined by the previous valuation. Using the forecast rates delays implementation of the rates proposed by the actuary until the beginning of the subsequent biennium, allowing employers to budget for changes in employer rates. The employer normal contribution rates for the fiscal year 2016 was based on the June 30, 2013 actuarial valuation. Fiscal year 2015 contribution rates were based on the June 30, 2011 actuarial valuation.

NOTE 9 — ADMINISTRATIVE EXPENSES

Certain expenses related to the administration of the Plans are budgeted and approved by the Board of Trustees, and are subject to appropriation biennially by the State Legislature. Administrative expenses are included in the accompanying financial statements.

Administrative expenses consist primarily of salaries and benefits for 59 full-time and part-time employees and the costs associated with operating and maintaining computer systems.

NOTE 10 - CONTINGENT MATTERS

The System may have legal matters or claims that arise from time to time through the normal course of business. However, in the opinion of management and legal counsel, such matters are not expected to have an adverse effect on the NHRS's financial status.

REQUIRED SUPPLEMENTARY INFORMATION (UNAUDITED)

AND RELATED RATIOS — PENSION PL	.AN		(\$ in thousands	5)
Fiscal Year Ended	June 30, 2016	June 30, 2015	June 30, 2014	June 30, 2013
Total Pension Liability				
Service Cost	\$ 266,379	\$ 243,965	\$ 245,828	\$ 255,178
Interest on the Total Pension Liability	875,247	847,646	815,214	789,792
Benefit Changes	—	_	—	—
Difference between expected and actual				
experience of the Total Pension Liabi		(106,715)	—	(101,141
Assumption Changes	815,023	—	-	-
Benefit Payments	(670,360)	(631,312)	(599,476)	(573,470
Refunds	(24,233)	(26,345)	(26,120)	(23,191
Net Changes in Total Pension Liability	1,280,460	327,239	435,446	347,168
Total Pension Liability – Beginning	11,471,453	11,144,214	10,708,768	10,361,600
Total Pension Liability — Ending	\$12,751,913	\$11,471,453	\$11,144,214	\$10,708,768
Plan Fiduciary Net Position				
Contributions – Employer	\$ 357,482	\$ 332,294	\$ 328.444	\$ 249,835
Contributions – Member	207,949	204.063	199.033	196,489
Pension Plan Net Investment Income	61,878	249,806	1,092,586	813,798
Benefit Payments	(670,360)	(631,312)	(599,476)	(573,470)
Refunds	(24,233)	(26,345)	(26,120)	(23,191
Pension Plan Administrative Expense	(7,061)	(7,582)	(7,377)	(6,999
Other custodial, professional and				(
non-investment expenses	(1,263)	(1,626)	(1,446)	(1,805)
Net Change in Plan Fiduciary Net Position	(75,608)	119,298	985,644	654,657
Plan Fiduciary Net Position – Beginning	7,509,926	7,390,628	6,404,984	5,750,327
Plan Fiduciary Net Position — Ending	\$ 7,434,318	\$ 7,509,926	\$ 7,390,628	\$ 6,404,984
Net Pension Liability	\$ 5,317,595	\$ 3,961,527	\$ 3,753,586	\$ 4,303,784
Plan Fiduciary Net Position as a Percentag	ge			
of Total Pension Liability	58.3%	65.5%	66.3%	59.8%
Covered Employee Payroll	\$ 2,601,404	\$ 2,575,031	\$ 2,507,899	\$ 2,501,742
Net Pension Liability as a Percentage				
of Covered Employee Payroll	204.4%	153.8%	149.7%	172.0%

Schedule is intended to show information for 10 years. Additional years will be added as they become available.

CHEDULE OF EMPLOYER CONTRIBUTIONS – PENSION PLAN				N (\$ in thousands)		
Fiscal Year Ended	Actuarially Determined Contribution	Actual Contribution	Contribution Deficiency (Excess)	Covered Payroll	Actual Contribution as a % of Covered Payroll	
6/30/2016	\$357,482	\$357,482	_	\$2,601,404	13.7%	
6/30/2015	\$332,294	\$332,294	_	\$2,575,031	12.9%	
6/30/2014	\$328,444	\$328,444	_	\$2,507,899	13.1%	
6/30/2013	\$249,836	\$249,836	_	\$2,501,742	10.0%	
6/30/2012	\$254,557	\$254,557	_	\$2,487,757	10.2%	
6/30/2011	\$274,582	\$274,582	_	\$2,517,779	10.9%	
6/30/2010	\$269,677	\$269,677	_	\$2,481,384	10.9%	
6/30/2009	\$261,230	\$261,230	_	\$2,448,287	10.7%	
6/30/2008	\$250,520	\$250,520	_	\$2,308,321	10.9%	
6/30/2007	\$178,053	\$178,053	_	\$2,195,339	8.1%	

Fiscal Year Ended	Annual Money Weighted Rate of Return — Net of Investment Expenses
6/30/2016	0.9%
6/30/2015	3.4%
6/30/2014	17.6%

Schedule is intended to show information for 10 years. Additional years will be added as they become available. See accompanying notes to the required supplementary information and independent auditors report.

NOTES TO REQUIRED SUPPLEMENTARY INFORMATION - LAST TEN FISCAL YEARS

CHANGES OF BENEFIT TERMS

- Modified the calculation of Average Final Compensation (AFC) for members not vested prior to Jan. 1, 2012, by changing the "compensation over base pay" factor used in the AFC formula from a dollar average to a percentage average.
- Clarifies the date from which NHRS must begin calculating a 7-year average of Extra or Special Duty Pay for Group II (Police and Fire) members vested prior to Jan. 1, 2012. This change excludes from the calculation any months prior to July 1, 2009, which is when ESDP began to be separately reported to NHRS.
- Clarifies the number of years of creditable service Group II (Police and Fire) members in service prior to July 1, 2011, but not vested prior to Jan. 1, 2012, must have in order to qualify for the supplemental disability benefit available to eligible Accidental Disability retirees.
- Clarifies that the maximum benefit limit for members hired before July 1, 2009, is 100 percent of Earnable Compensation and the maximum benefit limit for members hired after that date, and not vested by Jan. 1, 2012, is the lesser of 85 percent of AFC or \$120,000 per year.
- Changes the definition of Earnable Compensation for active members who begin service on or after July 1, 2011 or who are not in vested status as of January 1, 2012.
- For active members who commenced service on or after July 1, 2011 or who have non-vested status as of January 1, 2012 Average Final Compensation (AFC) equals the average annual Earnable Compensation during the highest five years of creditable service.
- For members who commenced service on or after July 1, 2009 or are not vested as of January 1, 2012, a member's retirement benefit shall not exceed the lesser of 85 percent of the member's highest AFC or \$120,000.
- Group I members commencing service on or after July 1, 2011 are eligible to retire at age 65 and are eligible for a reduced annuity at age 60 with 30 years of creditable service. Prior to age 65, the state annuity, together with the member annuity, shall be equal to 1/66th of AFC multiplied by creditable service reduced for each month prior to the month after the member attains age 65 by ¼ of 1 percent. After age 65, the state annuity, together with the member attains age 65 by 1/4 of 1 percent.
- Group II members commencing service on or after July 1, 2011 are eligible to retire at age 52.5 with 25 years of creditable service or age 60. The benefit shall be equal to 2 percent of AFC multiplied by creditable service up to 42.5 years. However, a member who commenced service on or after July 1, 2011 shall not receive a Service Retirement allowance until attaining the age of 52.5, but may receive a reduced allowance after age 50 if the member has at least 25 years of creditable service where the allowance shall be reduced, for each month by which the benefit commencement date precedes the month after which the member attains 52.5 years of age, by 1/4 of 1 percent.
- Group II members hired prior to July 1, 2011 who have non-vested status as of January 1, 2012 shall be subject to transition provisions for years of service required for regular Service Retirement, the minimum age for regular Service Retirement, and the multiplier used to calculate the retirement annuity, which shall be applicable on January 1, 2012.

Years of Creditable Service as of January 1, 2012	Minimum Age	Minimum Service	Benefit Multiplier	
At least 8 but less than 10 years	46	21	2.4%	
At least 6 but less than 8 years	47	22	2.3%	
At least 4 but less than 6 years	48	23	2.2%	
Less than 4 years	49	24	2.1%	
Hired on or after July 1, 2011	52.5*	25	2.0%	

*These members are eligible for a reduced service retirement pension at age 50.

- Member Contribution changes
 - (a) Group I (Employee and Teacher) members: 7.0 percent of Earnable Compensation.
 - (b) Group II Fire members: 11.80 percent of Earnable Compensation.
 - (c) Group II Police members: 11.55 percent of Earnable Compensation.
 - (d) Group II (Police and Fire) member contributions cease for members who are in vested status before January 1, 2012 with creditable service in excess of 40 years. Member contributions cease for all other Group II (Police and Fire) members with creditable service in excess of 42.5 years.

- Redefines Extra or Special Duty Pay (ESDP) as a component of a member's Earnable Compensation to mean member work activities or details for which the employer bills or charges another entity for the work activities provided.
- Requires that for fiscal years beginning on or after July 1, 2009, political subdivision employers must report monthly to NHRS all ESDP paid to Group II (Police and Fire) members. Employers are also required to include in their billing to the entity for whom the ESDP is provided, the full amount of employer contributions required under RSA 100-A:16, II(b), which are applicable to the ESDP paid to Group II members. If the contributions are not paid by the entity, employers are required to pay 100 percent of the employer contributions attributable to all ESDP paid to Group II members.
- Repeals RSA 457-A regarding civil unions and amends RSA 457 to allow same gender couples to marry in New Hampshire. Because NHRS must follow the federal definition of marriage when administering pension plan benefits, certain retirement benefits for same gender married couples will be limited, as is currently the case with civil union partners.
- In accordance with the federal Heroes Earnings Assistance and Relief Tax (HEART) Act of 2008, provides that Ordinary Death benefits paid to a surviving spouse in the form of an annuity will not terminate upon the remarriage of such surviving spouse. Further, the law defines "qualified military service and provides Ordinary Death benefits for beneficiaries of NHRS members who die on or after January 1, 2007 while performing qualified military service.
- Establishes that the maximum retirement benefit granted under RSA 100-A:5 or RSA 100-A:6 for members hired after June 30, 2009 shall not exceed \$120,000 annually.
- Permits a member of the New Hampshire Retirement System to purchase up to two years of service credit for the period of time in which a member served in the Peace Corps or Americorps, subject to certain specified eligibility requirements.
- Establishes that the maximum retirement benefit granted under RSA 100-A:5 or RSA 100-A:6 shall not exceed 100 percent of the member's highest year of Earnable Compensation.

CHANGES OF ASSUMPTIONS

An actuarial review, commonly called an experience study, of the mortality, service, withdrawals, and compensation experience of members is required by statute at least once during each five-year period. The last actuarial review was performed during fiscal year 2016 and was based on the information available as of June 30, 2015.

There were many assumption changes adopted by the Board based on the study in 2010. Two changes of particular importance were:

- The investment rate of return assumption was reduced from 8.5% to 7.75%
- The wage inflation assumption was reduced from 4.50% to 3.75%

Assumption changes adopted as a reults of the 2015 experience study are:

Economic Assumptions:

- The assumed investment rate of return was reduced from 7.75% to 7.25%
- The wage inflation rate was reduced from 3.75% to 3.25%
- The price inflation assumption was reduced from 3.00% to 2.50%

Demographic Assumptions were changed in the following categories:

- · Rates of Disability
- Rates of Retirement
- Rates of Withdrawal
- Mortality

The full experience study results can be viewed at www.nhrs.org/docs/default-source/actuarial/july-1-2010---june-30-2015-experience-study.pdf

SCHEDULE OF	FUNDING PRO	GRESS — OPEB PL	ANS		(\$ in thou	sands)
Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL)-Entry Age (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payrol ([b-a]/c)
Group II — Pol	ice Officers & Fil	refiahters				
06/30/16 06/30/15 06/30/14 06/30/13 06/30/12 06/30/11	\$ 10,539 \$ 10,306 \$ 9,401 \$ 8,686 \$ 8,813 \$ 9,907	\$347,619 \$313,933 \$331,744 \$337,097 \$336,241 \$341,942	\$337,080 \$303,627 \$322,343 \$328,411 \$327,428 \$332,035	3.0% 3.3% 2.8% 2.6% 2.6% 2.9%	\$ 399,331 \$ 396,818 \$ 385,524 \$ 382,563 \$ 374,321 \$ 367,536	84.4% 76.5% 83.6% 85.8% 87.5% 90.3%
Group I – Tead	chers					
06/30/16 06/30/15 06/30/14 06/30/13 06/30/12 06/30/11	(\$ 4,605) (\$ 13,305) (\$ 11,248) (\$ 10,314) (\$ 9,097) (\$ 6,131)	\$251,661 \$229,404 \$238,681 \$245,465 \$254,850 \$262,107	\$256,266 \$242,709 \$249,929 \$255,779 \$263,947 \$268,238	(1.8%) (5.8%) (4.7%) (4.2%) (3.6%) (2.3%)	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
	tical Subdivision					
06/30/16 06/30/15 06/30/14 06/30/13 06/30/12 06/30/11	\$ 19,968 \$ 21,961 \$ 22,767 \$ 23,356 \$ 25,519 \$ 28,917	\$ 57,462 \$ 58,609 \$ 65,506 \$ 67,667 \$ 73,254 \$ 77,650	\$ 37,494 \$ 36,648 \$ 42,739 \$ 44,311 \$ 47,735 \$ 48,733	34.7% 37.5% 34.8% 34.5% 34.8% 37.2%	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Group I – Stat		* -• • • •	• - · • · · ·			
06/30/16 06/30/15 06/30/14 06/30/13 06/30/12 06/30/11	\$ 1,448 \$ 553 \$ 325 \$ 95 (\$ 917) \$ 527	\$ 73,389 \$ 73,716 \$ 78,172 \$ 81,643 \$ 88,414 \$ 95,873	\$ 71,941 \$ 73,163 \$ 77,847 \$ 81,548 \$ 89,331 \$ 95,346	2.0% 0.7% 0.4% (1.0%) 0.5%	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A

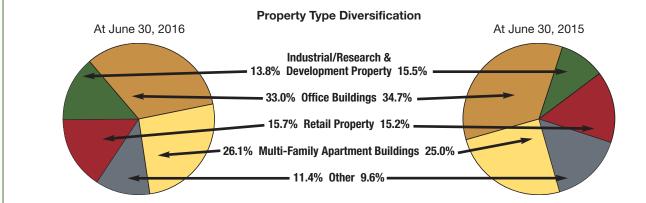
The schedule of funding progress presents multi-year trend information about whether the actuarial values of plan assets are increasing or decreasing over time relative to the actuarial accrued liabilities for benefits.

SCHEDULE OF EMPLOYER CONTRIBUTIONS - OPEB PLANS

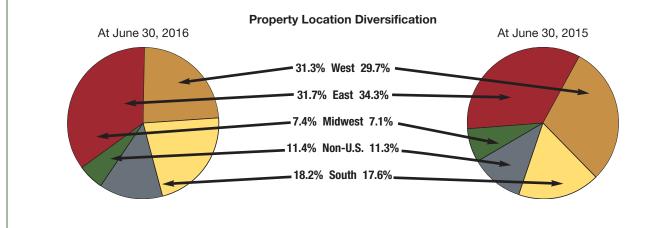
Fiscal Year	Classification	Annual Contribution (ARC) (in thousands)	Percent of ARC Recognized as Contributions	
2016	Group II Police Officers & Firefighters	15,854	100.00%	
	Group I Teachers	31,791	100.00%	
	Group I Political Subdivision Employees	1,938	100.00%	
	Group I State Employees	8,591	100.00%	
2015	Group II Police Officers & Firefighters	15,958	100.00%	
	Group I Teachers	22,557	100.00%	
	Group I Political Subdivision Employees	8,552	100.00%	
	Group I State Employees	1,848	100.00%	
2014	Group II Police Officers & Firefighters	15,438	100.00%	
	Group I Teachers	23,277	100.00%	
	Group I Political Subdivision Employees	2,010	100.00%	
	Group I State Employees	8,156	100.00%	
2013	Group II Police Officers & Firefighters	15,260	100.00%	
	Group I Teachers	23,767	100.00%	
	Group I Political Subdivision Employees	1,885	100.00%	
	Group I State Employees	8,800	100.00%	
2012	Group II Police Officers & Firefighters	14,683	100.00%	
	Group I Teachers	24,021	100.00%	
	Group I Political Subdivision Employees	1,928	100.00%	
	Group I State Employees	8,332	100.00%	
2011	Group II Police Officers & Firefighters	8,355	100.00%	
	Group I Teachers	13,790	100.00%	
	Group I Political Subdivision Employees	423	100.00%	
	Group I State Employees	10,333	100.00%	

SUPPORTING SCHEDULES

REAL ESTATE INVESTMENTS BY TYPE	(in thou	usands)
	JUN	IE 30
	2016	2015
Office Buildings	\$259,758	\$234,939
Multi-Family Apartment Buildings	205,361	168,922
Retail Property	124,050	102,861
Industrial/Research & Development Property	109,068	105,114
Other	89,700	64,767
TOTAL REAL ESTATE INVESTMENTS BY TYPE	\$787,937	\$676,603



REAL ESTATE INVESTMENTS BY LOCATION	(in tho	usands)
	JUNE 30	
	2016	2015
West	\$246,382	\$200,851
East	249,682	232,105
South	143,648	119,698
Midwest	58,047	47,742
Non-U.S.	90,178	76,207
TOTAL REAL ESTATE INVESTMENTS BY LOCATION	\$787,937	\$676,603



ALTERNATIVE INVESTMENTS	(in thousand	ds)
	JUN	E 30
	2016	2015
Venture Capital	\$ 542	\$ 542
Growth Equity	107,074	78,437
Buyouts	123,305	67,626
Secondaries	125,098	108,556
Mezzanine	12,732	12,263
Distressed	162,585	114,812
Absolute Return Strategies	1,808	2,918
Opportunistic	206,410	214,839
Direct Lending Strategies	211,134	125,994
Energy	34,285	3,156
TOTAL ALTERNATIVE INVESTMENTS	\$984,973	\$729,143

NET APPRECIATION (DEPRECIATION) IN FAIR VALUE OF INVESTMENTS	(in thou	usands)
	YEAR END	ED JUNE 30
	2016	2015
Equity Investments:		
Domestic	(\$ 59,465)	\$ 145,337
Non-U.S.	(127,878)	(57,045)
Fixed Income Investments	23,877	(60,946)
Real Estate	86,240	72,058
Venture Capital	_	_
Growth Equity	2,244	(9,199)
Buyouts	7,014	7,823
Secondaries	4,631	13,574
Mezzanine	35	813
Distressed	(2,188)	1,180
Absolute Return Strategies	(220)	(156)
Opportunistic	(8,969)	8,347
Direct Lending	1,140	2,477
Energy	460	(746)
TOTAL NET APPRECIATION (DEPRECIATION)		
IN FAIR VALUE OF INVESTMENTS	(\$ 73,079)	\$ 123,517

REAL ESTATE INVESTMENTS INCOME AND EXPENSES			(in thousands)			
		COME DED JUNE 30 2015	EXPEN Year Ender 2016		NET IN Year Ende 2016	
Office Buildings	\$ 3,240	\$ 2,702	\$ —	\$ -	\$ 3,240	\$ 2,702
Multi-Family Apartment Buildings	2,722	1,853	_	1	2,722	1,852
Retail Property	416	1,145	3	3	413	1,142
Industrial/Research & Development Property	645	1,599	_	1	645	1,598
Hotels	_	1,190	57	_	(57)	1,190
Other	1,398	1,922	—	_	1,39 8	1,922
TOTAL	8,421	\$10,411	\$ 60	\$5	\$ 8,361	\$10,406

INVESTMENT ACTIVITY FEES AND OTHER INVESTMENT RELATED EXPENSES	(in tho	usands)	
	YEAR END 2016	ED JUNE 30 2015	
INVESTMENT ACTIVITY FEES:			
Equity Investments:			
Domestic	\$ 8,174	\$ 8,802	
Non-U.S.	8,022	8,386	
Fixed Income Investments	3,990	3,802	
Real Estate	1,821	1,830	
Custodial Fees	624	675	
Investment Advisor Fees	735	730	
Investment Staff Administrative Expense	610	581	
TOTAL INVESTMENT ACTIVITY FEES	\$23,976	\$ 24,806	

INTEREST INCOME	(in thou	usands)	
	YEAR END	ED JUNE	30
	2016		2015
Fixed Income Investments Cash and Cash Equivalents	\$ 53,017 962	\$	51,887 241
TOTAL INTEREST INCOME	\$ 53,979	\$	52,128

DIVIDEND INCOME	(in thou	sands)	
	YEAR END	ED JUNE	30
	2016		2015
Equity Investments:			
Domestic	\$ 51,216	\$	56,459
Non-U.S.	22,949		23,436
TOTAL DIVIDEND INCOME	\$ 74,165	\$	79,895

ALTERNATIVE INVESTMENT INCOME (LOSS)	(in th	ousands)
	YEAR EN	IDED JUNE 30
	2016	2015
Distressed	\$ 3,574	\$ 1,467
Secondaries	487	626
Direct Lending	16,546	6,477
Opportunistic	539	611
Energy	(51)	(16)
Mezzanine	832	478
Buyouts	380	57
Growth Equity	269	85
TOTAL ALTERNATIVE INVESTMENT INCOME*	\$ 22,576	9,785

*Other alternative investment types not listed above had no income (loss) for either of the years reported. For a complete list of alternative investment types see page 55.

CONTRIBUTIONS	(in thousands)		
	YEAR END	ED JUNE 30	
	2016	2015	
CONTRIBUTIONS-PENSION PLAN			
EMPLOYER CONTRIBUTIONS:			
Employees	\$124,600	\$118,280	
Teachers	136,367	124,206	
Police Officers	65,591	61,099	
Firefighters	30,924	28,709	
TOTAL EMPLOYER CONTRIBUTIONS	\$357,482	\$332,294	
PLAN MEMBER CONTRIBUTIONS:			
Employees	\$ 82,661	81,656	
Teachers	76,681	74,770	
Police Officers	34,031	33,414	
Firefighters	14,576	14,223	
TOTAL PLAN MEMBER CONTRIBUTIONS	\$207,949	\$204,063	
TOTAL CONTRIBUTIONS-PENSION PLAN	\$565,431	\$ 536,357	
CONTRIBUTIONS – OPEB PLANS			
EMPLOYER NORMAL:			
Group II — Police Officers and Firefighters	\$ 15,854	15,958	
	31,791	22,557	
Group I – Teachers	1.938	1,848	
Group I – Political Subdivision Employees	,	,	
	8,591	8,552	
Group I – Political Subdivision Employees	,	,	

BENEFITS	(in tho	usands)
	YEAR END 2016	ED JUNE 30 2015
PENSION BENEFITS AND ADDITIONAL ALLOWANCES:		
Employees	\$218,678	\$207,011
Teachers	266,566	252,205
Police Officers	125,567	116,742
Firefighters	59,549	55,354
TOTAL PENSION BENEFITS AND ADDITIONAL ALLOWANCES	\$670,360	\$631,312
POSTEMPLOYMENT MEDICAL BENEFITS:		
Group II Police and Fire	\$ 16.528	16,374
Group I Teachers	21.772	22,762
Group I Political Subdivision Employees	5.681	5,792
Group I State Employees	7,824	8,369
TOTAL POSTEMPLOYMENT MEDICAL BENEFITS	\$ 51,805	\$ 53,297
TOTAL BENEFITS	\$722,165	\$684,609

REFUNDS OF CONTRIBUTIONS	(in thousands)
	YEAR ENDED JUNE 3 2016 2015
Employees	\$ 14,346 \$ 14,388
Teachers	6,421 7,073
Police Officers	3,032 4,294
Firefighters	434 590
TOTAL REFUNDS OF CONTRIBUTIONS	\$ 24,233 \$ 26,345

ADMINISTRATIVE EXPENSE FOR THE YEARS JUNE 30, 2016 AND 2015	ENDED			(in thousar	nds)	
	2016 EXPENSE	UNAUDITED 2016 BUDGET*	UNAUDITE OVER (UNDER) BUDGET	(UNAUDITED 2015 BUDGET*	UNAUDITED OVER (UNDER) BUDGET
Salaries and Wages Fringe Benefits Supplies, Utilities and Postage Organizational Dues Equipment	\$ 3,587 1,829 210 11 3	\$ 3,536 1,874 206 11 5	\$ 51 (45) 4 (2)	\$ 3,452 1,818 298 12 12	\$ 4,096 2,493 439 12 27	(\$ 644) (675) (141) - (15)
Travel – Staff Board Expenses Employee Training State Services	22 17 18 30	23 17 18 30	(1) (1) –	12 16 32	23 28 — 62	(11) (12) —
Office Rents and Expenses Computer Support and System Development Consulting Workers Compensation Unemployment Compensation	512 698 126 (2) 18	510 831 93 (2) 15	- 2 (133) 33 - 3	32 483 1,344 123 5 9	533 2,034 110 5 9	(30) (50) (690) 13 —
TOTAL	\$ 7,078	\$ 7,167	(\$ 89)	\$ 7,616	\$ 9,871	(\$2,255)

*The New Hampshire biennial budget is composed of the initial operating budget and supplemented by additional appropriations. These appropriations are generated by Governor and Council action, annual session laws, and existing statutes which require appropriations under certain circumstances. The budget therefore is a flexible budget. It is a biennial budget which consists of balances brought forward plus current year appropriations, less balances carried forward into the following fiscal year. The balances and non-lapsing appropriations.

PROFESSIONAL FEES	(in th	iousands)	
	YEAR ENDED JUNE 30		
	2016	2015	
Legal Fees	\$ 554	\$ 867	
Actuarial Fees	176	249	
Audit Fees	222	207	
TOTAL PROFESSIONAL FEES	\$ 952	\$1,323	

	JUNE 30	
	2016	2015
ACTIVE CONTRIBUTING MEMBERS:		
Employees	24,520	24,298
Teachers	17,784	17,732
Police Officers	4,139	4,174
Firefighters	1,626	1,608
TOTAL ACTIVE CONTRIBUTING MEMBERS*	48,069	47,812
Excludes inactives		
RETIRED MEMBERS:		
Employees	16,142	15,483
Teachers	11,410	10,859
Police Officers	3,629	3,457
Firefighters	1,595	1,551
TOTAL RETIRED MEMBERS	32,776	31,350
FERMINATED MEMBERS ENTITLED TO BUT NOT YET RECE		
Employees	973	1,065
Teachers	711	822
Police Officers	89	98
Firefighters	12	14
TOTAL TERMINATED MEMBERS ENTITLED TO BUT		
NOT YET RECEIVING BENEFITS:	1,785	1,999
NACTIVE MEMBERS:	0 5 2 9	8 600
NACTIVE MEMBERS: Non-Vested Inactive Members	9,528 11,313	8,690 10,689

NEW HAMPSHIRE RETIREMENT SYSTEM

INVESTMENT SECTION

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Investment Consultant's Letter



KEVIN M. LEONARD SENIOR CONSULTANT

October 31, 2016

Board of Trustees Investment Committee Executive Director **The New Hampshire Retirement System** 54 Regional Drive Concord, NH 03301-8507

Dear NHRS Fiduciaries:

NEPC, LLC (NEPC) is pleased to introduce this overview of the New Hampshire Retirement System (NHRS) investment program for the fiscal year ended June 30, 2016.

The overall objective of NHRS is to provide service, disability, death and vested retirement benefits, and other postemployment benefits to members and their beneficiaries. To ensure a solid foundation for the future of the System, NHRS plans and implements an investment program designed to achieve the maximum rate of return over the long term, while prudently managing the risk of the portfolio. Additionally, the NHRS investment program is administered in accordance with sound governance practices and applicable statutes. The Board of Trustees (Trustees) established an Investment Policy which includes asset allocation targets and acceptable ranges as well as asset class benchmarks for performance measurement. The Trustees retain the services of actuaries and consultants to provide guidance regarding actuarial matters, asset allocation, and investment policy. The Independent Investment Committee (Committee) manages the investment program pursuant to the investment policy, develops asset class guidelines, monitors and evaluates performance, and makes determinations regarding the retention of managers. Professional investment managers are selected by the Committee to manage portfolios in accordance with investment management agreements. The investment manual includes all investment policies and asset class guidelines and may be obtained from the NHRS website at www.nhrs.org. The following pages report on the performance and attributes of the investment program for fiscal year 2016.

Domestic markets provided mixed returns in fiscal year 2016 as sporadic episodes of heightened market volatility interrupted an otherwise positive market environment. U.S. equities were supported by the continued resilience of the U.S. economy amidst global uncertainty and geo-political events. The broad domestic equity market, as measured by the S&P 500 Index, ended the fiscal year with a +4.0% return. Domestic bond markets proved attractive during these periods of disruption providing a desired safe haven for investors and delivering strong returns. The domestic bond market, as measured by the Barclays Aggregate Bond Index, returned +6.0% over the fiscal year. International markets told a much different story as non-U.S. developed equities edged lower as U.S. dollar strength cut into returns and political turmoil led by Brexit sent a wave of volatility through the market. Emerging markets, in particular, felt the brunt of the market turmoil. Emerging market equities continued to face headwinds as growth concerns in China rose and oil prices dropped in the first half of the fiscal year. The global equity market, as measured by the MSCI All Country World Index, returned -3.7%, reflecting a blend of the positive results in the U.S. and the negative performance in the non-U.S. developed (MSCI EAFE Index -10.2%) and emerging markets (MSCI Emerging Markets Index –12.1%).

For the fiscal year ended June 30, 2016, the NHRS Total Fund returned +1.0% on a net-of- fees basis, underperforming the Total Fund custom benchmark return of +2.4% and ranking in the 35th percentile (1% being the highest, 100% being the lowest) relative to other investors in the InvestorForce Public Defined Benefit Net Universe (universe). During the following periods the NHRS Total Fund provided strong annualized net-of-fees returns relative to the universe: For the trailing three years ending June 30, 2016, the NHRS Total Fund return of +7.1% ranked in the 14th percentile of the universe; For the trailing five years ending June 30, 2016 the NHRS Total Fund return of +7.2% ranked in the 10th percentile of the universe; For the trailing ten year period ending June 30, 2016, the NHRS Total Fund return of +7.2% ranked in the 10th percentile of the universe; For the trailing ten year period ending June 30, 2016, the NHRS Total Fund return of +7.2% ranked in the 10th percentile of the universe; For the trailing ten year period ending June 30, 2016, the NHRS Total Fund return of +7.2% ranked in the 10th percentile of the universe; For the trailing ten year period ending June 30, 2016, the NHRS Total Fund return of +7.2% ranked in the 10th percentile of the universe; For the trailing ten year period ending June 30, 2016, the NHRS Total Fund return of +7.2% ranked in the 10th percentile of the universe; For the trailing ten year period ending June 30, 2016, the NHRS Total Fund returned +6.0% and ranked in the 19th

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percentile of the universe; For the trailing twenty-five year period ending June 30, 2016, the NHRS Total Fund returned +8.2%, exceeding the current assumed rate of return of 7.25%, and ranking in the 13th percentile of the universe.

During fiscal year 2016, the Committee continued to implement the expansion of the alternative investment portfolio.

NEPC provides NHRS with quarterly economic and investment market updates and performance reviews, investment manager monitoring and selection advice, and related investment services for traditional and non-traditional asset classes. Investment performance analysis and comparisons produced by NEPC have been calculated using standard performance evaluation methodologies and are consistent with industry standards. Performance results are calculated using a time-weighted return methodology and are reported on a net-of-fees basis.

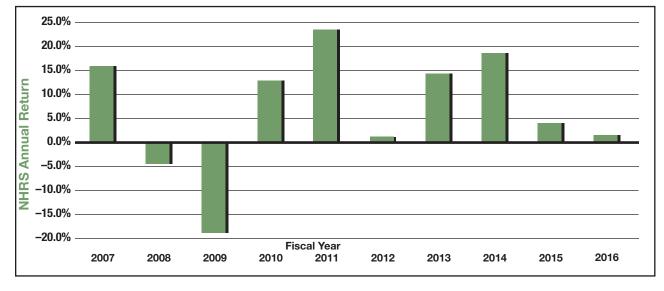
Sincerely,

INVESTMENT REPORTS

	Current Year	0 ¥	Annualized	
	2016	3 Year	5 Year	10 Year
Total NHRS Fund	1.0%	7.1%	7.2%	6.0%
Total Fund Custom Index*	2.4	8.1	7.9	6.3
Domestic Equity	0.0	10.0	10.9	6.4
Total Domestic Equity Blended Benchmark*	4.0	11.8	12.0	7.6
Non-U.S. Equity	-7.9	1.1	0.5	2.5
Total Non-U.S. Equity Blended Benchmark*	-10.2	1.2	0.1	1.9
Fixed Income	4.2	3.5	4.1	6.1
Total Fixed Income Blended Benchmark*	5.8	4.2	4.0	5.3
Real Estate	13.8	14.7	13.4	6.8
Total Real Estate Blended Benchmark*	10.8	12.0	12.0	7.8
Alternative Investments Total Alternative Investments Blended	2.8	6.7	6.0	1.4
Benchmark*	4.5	15.5	15.4	11.3
Cash Equivalents	0.2	0.1	0.1	1.1
90 Day T-Bills	0.2	0.1	0.1	0.9

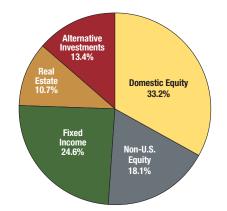
Performance returns are calculated on a net-of-fees time-weighted rate of return basis.

*In a dynamic market, strategies and objectives evolve over time. Consequently, these benchmarks are blended due to historical investment strategy decisions. Detailed descriptions of the benchmarks above are available by contacting NHRS.



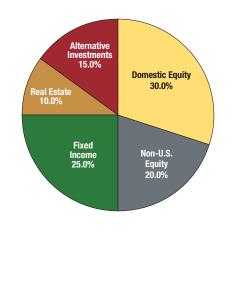
Ten Year History of Time-Weighted Total NHRS Fund Annual Returns

	As of June 30, 2016			
	Actual %	Target %	Target Range %	
Domestic Equity	33.2%	30.0%	20 – 50	
Non-U.S. Equity	18.1	20.0	15 – 25	
Fixed Income	24.6	25.0	20 – 30	
Real Estate	10.7	10.0	5 – 20	
Alternative Investments	13.4	15.0	5 – 25	
TOTAL FUND	100.0%	100.0%		



Actual Asset Allocation as of June 30, 2016

Target Asset Allocation as of June 30, 2016



TEN L	TEN LARGEST STOCK HOLDINGS BY FAIR VALUE*		(in thousands)
	Shares	Stock	June 30, 2016 Fair Value
1	385,671	Apple Inc	\$36,870
2	272,595	Johnson & Johnson	33,066
3	298,943	Exxon Mobil Corp	28,023
4	540,783	Microsoft Corp	27,672
5	539,643	Oracle Corp	22,088
6	486,954	AT&T Inc	21,041
7	239,513	Medtronic PLC	20,783
8	433,454	Wells Fargo & Co	20,515
9	620,179	Intel Corp	20,342
10	636,795	General Electric Co	20,046

TEN	TEN LARGEST FIXED INCOME HOLDINGS BY FAIR VALUE*		(in thousands)
	Par	Security	June 30, 2016 Fair Value
1	46,511,000	U.S. Treasury Note — 1.250%, 2021	\$47,052
2	25,767,000	U.S. Treasury Bond – 2.500%, 2045	26,827
3	21,741,000	U.S. Treasury Note - 1.625%, 2020	22,358
4	305,000,000	Mexican Bonos — 7.750%, 2042	19,229
5	13,051,000	U.S. Treasury Bond – 4.500%, 2036	18,799
6	18,632,000	U.S. Treasury Note - 0.750%, 2019	18,668
7	15,536,000	U.S. Treasury Bond - 3.000%, 2045	17,857
8	17,500,000	U.S. Treasury Note - 0.750%, 2018	17,551
9	17,500,000	U.S. Treasury Note - 0.750%, 2017	17,542
10	12,570,000	United Kingdom Gilt Regs — 1.250%, 2018	17,171

*A complete listing of separate account portfolio holdings is available by contacting the NHRS offices. NHRS also invests in various commingled investment vehicles, which are custodied outside of The Bank of NY Mellon (Master Custodian for NHRS), as reported on the Summary of Investments schedule.

**Par value is denoted in local currency.

	AND SERVICE FEES YEAR ENDED JUNE 30, 2016			
	Assets Under Management (in thousands)	Fees (in thousands)	Average Basis Points	
INVESTMENT MANAGEMENT FEES				
Equity Portfolios:				
Domestic	\$ 2,422,530	\$ 8,174	34	
Non-U.S.	1,327,555	8,022	60	
Fixed Income Portfolios	1,798,307	3,990	22	
Alternative Investments*	984,973	_	_	
Real Estate	787,937	1,821	23	
Cash and Cash Equivalents**	51,388	—	—	
TOTAL INVESTMENT MANAGEMENT FEES	\$ 7,372,690	\$ 22,007	30	
INVESTMENT SERVICE FEES				
Custodial Fees	\$ 7,372,690	\$ 624	1	
nvestment Advisor Fees – External	7,372,690	735	1	
Investment Administrative Expenses — Internal	7,372,690	610	1	
· · ·	1,012,090	510	I	
TOTAL INVESTMENT MANAGEMENT				
AND SERVICE FEES	\$ 7,372,690	\$ 23,976	33	

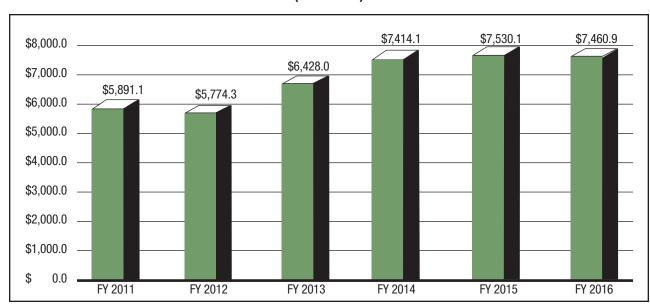
*The custodian records all transactions on a net of fee basis.

**Does not include cash and cash equivalents held in manager portfolios, only in designated cash portfolios.

SCHEDULE OF BROKERAGE COMMISSIONS PAID

	YE	AR ENDED JUNE 30, 20	016
Brokerage Firm	Number of Shares Traded (in thousands)	Total Commissions (in thousands)	Commissions Per Share
Merrill Lynch & Company Inc.	7,280	\$ 118	0.02
Goldman Sachs & Company	5,927	105	0.02
Morgan Stanley & Company Inc.	4,854	95	0.02
Credit Suisse	5,259	94	0.02
J.P. Morgan	4,089	85	0.02
UBS Securities/Warburg	4,123	81	0.02
Citigroup Global Markets Inc.	3,584	56	0.02
Jefferies & Company, Inc.	1,853	55	0.03
Instinet, Inc.	4,217	55	0.01
Barclay's Capital Inc.	1,623	49	0.03
Deutsche Bank	2,370	48	0.02
Liquidnet, Inc.	2,651	45	0.02
Investment Tech Group	2,244	40	0.02
Bernstein Sanford C & Co, New York	2,329	40	0.02
RBC Capital Markets, LLC	1,385	38	0.03
Raymond James & Assoc., Inc.	1,312	35	0.03
Pershing LLC	1,200	33	0.03
BTIG LLC	891	28	0.03
Citation Group/BCC CLRG	972	28	0.03
All Others (146 not listed separately)	32,250	662	0.02
TOTAL BROKERAGE COMMISSIONS PAID	90,413	\$ 1,790	0.02

Commission detail is not included in the schedule above for the commingled funds in which NHRS invests.



Net Position Held In Trust For Benefits (in millions)

SUMMARY OF INVESTMENTS

TYPE OF INVESTMENT	June 30, 2016	
	Fair Value (in millions)	Percent of Total Fair Value
Collateralized/Asset Backed Securities	\$ 172.0	2.3%
Corporate Bonds	623.0	8.5%
Government and Agency Bonds	553.8	7.5%
Doubleline Capital Floating Rate Fund	4.9	0.1%
Doubleline Capital Global Fund	1.0	0.0%
GAM	205.0	2.8%
Manulife	205.7	2.8%
TOTAL FIXED INCOME	\$1,765.4	23.9%
EQUITY		
Consumer Discretionary	479.0	6.5%
Consumer Staples	216.1	2.9%
Energy	176.0	2.4%
Financial Services	616.4	8.4%
Health Care	467.4	6.3%
Producer Durables	362.2	4.9%
Information Technology	486.3	6.6%
Materials	145.2	2.0%
Utilities	194.1	2.6%
Aberdeen Emerging Markets Smaller Companies Fund	82.0	1.1%
Neuberger Berman Emerging Markets Equity Fund	96.7	1.3%
GMO Foreign Small Companies Fund	114.2	1.5%
Wellington Emerging Markets Local Equity Fund	90.1	1.2%
LSV International Value Fund	167.9	2.3%
TOTAL EQUITY	\$3,693.6	50.1 %
OTHER INVESTMENTS		
Alternative Investments	985.0	13.4%
Real Estate	787.9	10.7%
Cash and Cash Equivalents	140.8	1.9%
TOTAL INVESTMENTS	\$7,372.7	100.0%

NEW HAMPSHIRE RETIREMENT SYSTEM



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ACTUARIAL CERTIFICATION



Gabriel Roeder Smith & Company Consultants & Actuaries One Towne Square Suite 800 Southfield, MI 48076-3723 248.799.9000 phone 248.799.9020 fax www.gabrielroeder.com

October 28, 2016

Board of Trustees New Hampshire Retirement System 54 Regional Drive Concord, New Hampshire 03301-8509

Attention: Mr. George Lagos

Dear Board of Trustees:

The actuarial valuation report was prepared at the request of the Board and is intended for use by the Retirement System and those designated or approved by the Board. This report may be provided to parties other than the System only in its entirety and only with the permission of the Board. This report should not be relied on for any purpose other than the purposes described below.

The purposes of this report are:

- To provide information in connection with Governmental Accounting Standards Board (GASB) Statement No. 67 "Financial Reporting for Pension Plans" as of June 30, 2016.
- To provide supporting schedules for the Comprehensive Annual Financial Report for the System's use in the Actuarial Section, the Statistical Section, Notes to the Financial Statements, and Required Supplementary Information.

The report was based upon information, furnished by New Hampshire Retirement System (NHRS) staff, concerning Retirement System benefits, financial transactions, and active members, terminated members, retirees and beneficiaries as of June 30, 2016. We checked for internal and year-to-year consistency, but did not audit the data. We are not responsible for the accuracy or completeness of the data provided by NHRS. GRS is not responsible for unauthorized use of this report.

We prepared the following supporting schedules for the Comprehensive Annual Financial Report for the System's use in the Actuarial Section, the Statistical Section, Notes to the Financial Statements and Required Supplementary Information:

- · Summary of Actuarial Assumptions and Methods
 - Percent Retiring Within Next Year
 - · Probabilities of Becoming Disabled Within Next Year
 - Percent Separating Within Next Year
 - Individual Employee Pay Increases
- Retirees and Beneficiaries Age Distribution
- Active Members by Valuation Division
- Active Members Age and Service Distribution
- Historical Membership Data Active and Retired
- Summary of Membership Data by Category
- Schedule of Average Benefit Payment Amounts
- · Schedule of Retired and Vested Members by Type of Benefit
- Schedule of Funding Progress Other Post-Employment Benefits (OPEB)
- Solvency Test
- Schedule of Employer Contributions Pension and OPEB
- Schedule of Changes in the Employers' Net Pension Liability and Related Ratios Pension Plan
- Sensitivity of Net Pension Liability to the Single Discount Rate Assumption

Information in historical schedules prior to June 30, 2007 was provided by the previous actuary.

The schedules include information regarding plan funding under the New Hampshire Statute RSA 100-A:16. The basic financial objective of the New Hampshire Retirement System (NHRS) is to establish and receive pension contributions which:

• when expressed in terms of percents of active member payroll will remain approximately level from generation to generation; and

 when combined with present assets and future investment return will be sufficient to meet the financial obligations of NHRS to present and future retirees and beneficiaries.

The financial objective for medical subsidy benefits under RSA 100-A:53, 53-a, 53-b and 53-c is to contribute the lesser of 25 percent of the total employer contribution or the minimum amount necessary to maintain the benefit. RSA 100-A:16 requires biennial actuarial valuation on June 30 of odd years. The Board has adopted an Actuarial Funding Policy which requires annual actuarial valuations. The financial objectives are addressed within the statutory biennial actuarial valuation. The valuation process develops pension contribution rates that are sufficient to fund the plan's current pension cost (i.e., the costs assigned by the valuation method to the year of service about to be rendered), as well as to fund pension unfunded actuarial accrued liabilities as a level percent of active member payroll over a closed 30-year period beginning with the fiscal year ending June 30, 2010.

The actuarial calculations for funding purposes as of June 30, 2016 in this report are based on the assumptions adopted by the Board pursuant to the June 30, 2015 experience study and the census information as of June 30, 2016. The actuarial accrued liability as of June 30, 2016 differs from the total pension liability as of June 30, 2016 under GASB No. 67 because the total pension liability is based on a roll-forward of the June 30, 2015 actuarial valuation under the System's accounting procedures.

For funding purposes, assets are valued on a market related basis that recognizes each year's difference between actual and assumed investment return over a closed five-year period. For GASB No. 67 purposes, assets are reported and used on a market basis.

The valuation results summarized in this report involve actuarial calculations that require assumptions about future events. The actuarial assumptions are established by the Board after consulting with the actuary under New Hampshire Statute RSA 100-A:14 IX. We believe that the assumptions and methods used in this report are reasonable and appropriate for the purposes for which they have been used. However, other assumptions and methods could also be reasonable and could result in materially different results. In addition, because it is not possible or practical to consider every possible contingency, we may use summary information, estimates or simplifications of calculations to facilitate the modeling of future events. We may also exclude factors or data that are deemed to be immaterial. The actuarial funding method is the Individual Entry Age Actuarial Cost Method, in compliance with NHRS State Statutes. The assumptions and the methods comply with the requirements of Statements No. 67 and No. 43 of the Governmental Accounting Standards Board. Each actuarial valuation takes into account all prior differences between actual and assumed experience in each risk area and adjusts the contribution rates as needed. Actuarial methods and assumptions were adopted by the Board pursuant to the June 30, 2015 Experience Study.

We certify that the information contained in this June 30, 2016 accounting report of the NHRS is accurate and fairly presents the actuarial position of the New Hampshire Retirement System as of June 30, 2015 under the current actuarial assumptions. All calculations have been made in conformity with generally accepted actuarial principles and practices, with the Actuarial Standards of Practice issued by the Actuarial Standards Board and with applicable statutes RSA 100-A:16, 100-A:53, 100-A:53-b, 100-A:53-c, 100-A:53-d and 100-A:53-e,

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law.

The actuaries submitting this report are independent of the plan sponsor, are Members of the American Academy of Actuaries (MAAA), and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein.

Respectfully submitted,

vid T Fouset T. Kausch, PSA, EA, FCA, MAAA

Kermans, EA, FCA, MAAA

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SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

The actuarial methods and assumptions that were used in the development of the June 30, 2016 interim actuarial valuation are as follows. The June 30, 2016 interim valuation is not used to determine employer contribution.

VALUATION METHODS

PENSION

Actuarial Cost Methods — Normal cost and the allocation of benefit values between service rendered before and after the valuation date were determined using an Individual Entry-Age Actuarial Cost Method having the following characteristics:

- (i) the annual normal cost for each individual active member, payable from the date of employment to the date of retirement, is sufficient to accumulate the value of the member's benefit at the time of retirement;
- (ii) each annual normal cost is a constant percentage of the member's year by year projected covered pay.

Actuarial gain/(losses), as they occur, reduce (increase) the unfunded actuarial accrued liability.

Financing of Unfunded Actuarial Accrued Liabilities — unfunded actuarial accrued liabilities are amortized by level (principal and interest combined) percent-of-payroll contributions over 22 years from the contribution effective date of July 1, 2017 (FY 2018).

OPEB

- (i) Liabilities are determined under the entry-age actuarial cost method.
- (ii) Contribution rates to the 401(h) sub-trust are determined as the lesser of 25% of the employers' contributions or the actuarial required contribution rate that keeps the medical subsidy sub-trust solvent (the "solvency rate").

Actuarial Value of Assets — The actuarial value of assets recognizes assumed investment income fully each year. Differences between actual and assumed investment income are phased in over a closed 5 year period. During periods when investment performance exceeds the assumed rate, funding value of assets will tend to be less than market value. During periods when investment performance is less than the assumed rate, funding value of assets will tend to be greater than market value. The funding value of assets is unbiased with respect to market value. At any time it may be either greater or less than market value. If assumed rates are exactly realized for 4 consecutive years, it will become equal to market value. Funding value was limited to a 20% corridor around the market value.

The actuarial value of assets was allocated to the pension and medical subsidy plans based on the market value of those plans. The actuarial value of assets was then further allocated to each fund (either pension or medical subsidy) based on the market value of those funds.

For purposes of determining the medical subsidy solvency rates, the Market Value of assets was used for all group funds due to the short time horizon before these closed group funds are expected to become pay-as-you-go.

DEVELOPMENT OF AMORTIZATION PAYMENT

The employer contribution rate determined by the June 30, 2015 interim valuation is illustrative for the 2018–19 biennium. The unfunded actuarial accrued liability (UAAL) was determined using the funding value of assets and actuarial accrued liability calculated as of the valuation date. The UAAL amortization payment (one component of the contribution requirement), is the level percent of pay required to fully amortize the UAAL over a 22 year period beginning on July 1, 2017. This UAAL payment reflects any payments expected to be made and interest to be accrued between the valuation date and the date contributions determined by this report are scheduled to begin. It was assumed that the entire pension contribution determined by the June 30, 2013 valuation effective from July 1, 2015 to June 30, 2017 would be contributed to the net pension position.

ECONOMIC ASSUMPTIONS

The investment return rate assumed in the valuation is 7.25% per year, compounded annually (net after investment expenses). The investment return rate assumed in the medical subsidy valuations is 3.25% per year, compounded annually (net after investment expenses) for purposes of computing accrued liabilities and other disclosures required by GASB Statement No. 43. However, for determining the solvency contribution rate for the medical subsidy account, the investment return rate assumption was 7.25% on the market value of assets.

The wage inflation rate assumed in this valuation was 3.25% per year. The wage inflation rate is defined to be the portion of total pay increases for an individual that are due to macro economic forces including productivity, price inflation, and labor market conditions. The wage inflation rate does not include pay changes related to individual merit and seniority effects.

No specific price inflation assumption is required to perform this valuation, since there are no benefits that are linked to price increases. However, a price inflation assumption on the order of 3.0% would be consistent with the other economic assumptions.

The assumed real rate of return over wage inflation is defined to be the portion of total investment return that is more than the assumed total wage growth rate. Considering other economic assumptions, the 7.75% investment return rate translates to an assumed real rate of return over wage inflation of 4.00%. The assumed real rate of return over price inflation would be higher — on the order of 4.75%, considering both an inflation assumption and an average expense provision.

The active member population is assumed to remain constant. For purposes of financing the unfunded liabilities, total payroll is assumed to grow at the wage inflation rate -3.75% per year.

Pay increase assumptions for individual active members are shown for sample ages on pages 76–81. Part of the assumption for each age is for merit and/or seniority increase, and the other 3.75% recognizes wage inflation, including price inflation, productivity increases, and other macro economic forces.

TECHNICAL ASSUMPTIONS	
Administrative & Investment Expenses	The investment return assumption is intended to be the return net of investment xpenses. Annual administrative expenses are assumed to be equal to the prior year's administrative expenses. Assumed administrative expenses are added to the Normal Cost, and were 0.35% of payroll in the June 30, 2016 interim valuation.
Benefit Service	Exact fractional service is used to determine the amount of benefit payable.
COLA	None assumed.
Decrement Operation	Disability and withdrawal do not operate during normal retirement eligibility.
Decrement Timing	Normal and early retirement decrements for the Teachers group are assumed to occur at the beginning of the year. All other decrements were assumed to occur mid-year.
Eligibility Testing	Eligibility for benefits is determined based upon the age nearest birthday and service nearest whole year on the date the decrement is assumed to occur.
Forfeitures	It is assumed that 25% of members who quit before retirement with 10–15 years of serv- ice will elect to refund and forfeit their pension.
Incidence of Contributions	Contributions are assumed to be received continuously throughout the year based upon the computed percent of payroll shown in this report, and the actual payroll at the time contributions are made.
Liability Adjustments	Normal, early, and vesting retirement liabilities are increased by 7.5%, 5.0%, 11.5%, and 11.5% for Employees, Teachers, Police, and Fire respectively to account for lump sum payments. Members hired after July 1, 2011 or who have non-vested status as of January 1, 2012 are assumed to have no adjustment for end of career payments.
Marriage Assumption	Group I: 60% of males and 60% of females are assumed to be married for purposes of death-in-service benefits. Group II: 60% of males and 60% of females are assumed to be married for purposes of death-in-service and death after retirement benefits. Male spouses are assumed to be three years older than female spouses for active member valuation purposes.
Normal Form of Benefit	Group I: The assumed normal form of benefit is a straight life benefit. Group II: The as- sumed normal form of benefit is straight life for single members and joint and 50% sur- vivor for married members.
Pay Increase Timing	Beginning of (Fiscal) year. This is equivalent to assuming that reported pays represent amounts paid to members during the year ended on the valuation date.
Service Credit Accruals	It is assumed that members accrue one year of service credit per year.
Data Adjustments	For the June 30, 2016 interim valuation, new active member pays were annualized.
Medical Subsidy	The solvency rate for the medical subsidy benefits were determined to provide an esti- mated margin of 20% of the benefits payable by June 30, 2016.

GROUP I-EMPLOYEES

SEPARATIONS FROM ACTIVE SERVICE: Representative values of the assumed annual rates of withdrawal and vesting, death, disability, and normal retirement are as follows:

				Annual Rate	e of			
		Withdrawal and Vesting		Death*		Disabili	ty**	
Age	Years of Service	Men	Women	Men	Women	Men	Women	
	0	23.00%	30.00%					
	1	20.00	22.00					
	2	15.00	16.00					
	3	12.00	12.00					
	4	10.00	7.20					
25	5+	7.20	7.20	.05%	.02%	.03%	.02%	
30		7.20	5.04	.05	.03	.03	.02	
35		5.04	5.04	.05	.04	.03	.03	
40		5.04	5.04	.07	.05	.08	.06	
45		5.04	5.04	.10	.08	.16	.11	
50		3.96	3.96	.19	.13	.27	.23	
55		3.60	3.60	.32	.21	.47	.42	
60		3.60	3.60	_	_	_	_	

			Annual Rate of Normal Retirement
	For Members Hired	Prior to July 1, 2011	For Members Hired On or After July 1, 2011
Age	Men	Women	Men Women
60	11.00%	11.00%	
61	11.00	11.00	
62	16.00	15.00	
63	16.00	14.00	
64	14.00	14.00	
65	16.00	20.00	45.00% 44.00%
66	25.00	22.00	45.00 44.00
67	23.00	22.00	23.00 22.00
68	21.00	18.00	21.00 18.00
69	20.00	19.00	20.00 19.00
70	100.00	100.00	100.00 100.00

*98% are assumed to be ordinary death and 2% are assumed to be accidental death. **50% are assumed to be ordinary disability and 50% are assumed to be accidental disability.

SALARY INCREASES: Representative values of the assumed rates of future salary increases are as follows:

Service Index	Merit & Seniority	Base	Annual Rate of Salary Increases	
1	10.00%	3.25%	13.25%	
2	6.00	3.25	9.25	
3	2.50	3.25	5.75	
4	2.00	3.25	5.25	
5	1.50	3.25	4.75	
6	1.25	3.25	4.50	
7–9	1.00	3.25	4.25	
10–25	0.50	3.25	3.75	

	MORTALI	TY RATE		MORTALIT	Y RATE	
AGE	MEN	WOMEN	AGE	MEN	WOMEN	
35	.11%	.11%	60	.77%	.53%	
40	.17	.16	65	1.08	.78	
45	.25	.20	70	1.66	1.28	
50	.38	.26	75	2.71	2.11	
55	.56	.38	80	4.57	3.57	

GROUP I-TEACHERS

SEPARATIONS FROM ACTIVE SERVICE: Representative values of the assumed annual rates of withdrawal and vesting, death, disability, and normal retirement are as follows:

				Annual Rate	e of		
		Withdrawal and Vesting		Death*		Disabili	ty**
Age	Years of Service	Men	Women	Men	Women	Men	Women
	0	35.00%	31.00%				
	1	17.00	16.00				
	2	14.00	13.00				
	3	10.00	11.00				
	4	8.00	8.00				
25	5+	4.00	6.00	.04%	.01%	.01%	.00%
30		4.00	6.00	.04	.02	.01	.00
35		2.80	4.20	.05	.03	.02	.01
40		2.80	4.20	.06	.04	.04	.04
45		2.80	4.20	.09	.06	.07	.06
50		2.20	3.30	.16	.09	.07	.11
55		2.00	3.00	.27	.15	.38	.35
60		2.00	3.00	_	_	_	

*98% are assumed to be ordinary death and 2% are assumed to be accidental death. **50% are assumed to be ordinary disability and 50% are assumed to be accidental disability.

		Ar	nnual Rate of Normal Retirement		
	For Members Hired	Prior to July 1, 2011	For Members Hired On	or After July 1, 2011	
Age	Men	Women	Men	Women	
60	18.00%	13.00%		_	
61	19.00	15.00	_	_	
62	20.00	19.00	—	_	
63	21.00	19.00	_	_	
64	22.00	21.00	_	_	
65	23.00	25.00	58.00%	56.00%	
66	30.00	32.00	58.00	56.00	
67	25.00	27.00	25.00	27.00	
68	25.00	27.00	25.00	27.00	
69	25.00	27.00	25.00	27.00	
70	100.00	100.00	100.00	100.00	

SALARY INCREASES: Representative values of the assumed rates of future salary increases are as follows:

Service Index	Merit & Seniority	Base	Annual Rate of Salary Increases	
1	10.00%	3.25%	13.25%	
2	6.00	3.25	9.25	
3	3.25	3.25	6.50	
4	2.75	3.25	6.00	
5	2.50	3.25	5.75	
6	2.25	3.25	5.50	
7	2.00	3.25	5.25	
8	1.75	3.25	5.00	
9	1.50	3.25	4.75	
10	1.25	3.25	4.50	
11–25	1.00	3.25	4.25	

	MORTALI	TY RATE		MORTALIT	MORTALITY RATE		
AGE	MEN	WOMEN	AGE	MEN	WOMEN		
35	.11%	.11%	60	.77%	.53%		
40	.17	.16	65	1.08	.78		
45	.25	.20	70	1.66	1.28		
50	.38	.26	75	2.71	2.11		
55	.56	.38	80	4.57	3.57		

GROUP II – POLICE OFFICERS

SEPARATIONS FROM ACTIVE SERVICE: Representative values of the assumed annual rates of withdrawal, vesting, death, disability, and retirement are as follows:

				Annual Rate of			
		Withdrawal and Vesting		Death*		Disabili	ty**
Age	Years of Service	Men	Women	Men	Women	Men	Women
	0	25.00%	30.00%				
	1	15.00	20.00				
	2	10.00	13.00				
	3	7.00	11.50				
	4	5.00	10.00				
25	5+	5.88	5.88	.04%	.02%	.03%	.03%
30		4.93	4.93	.04	.02	.03	.03
35		4.13	4.13	.05	.03	.07	.07
40		3.45	3.45	.06	.04	.16	.16
45		2.83	2.83	.09	.07	.28	.28
50		2.40	2.40	.16	.11	.45	.45
55		1.98	1.98	.27	.18	.67	.67
60		1.60	1.60	_	_	_	_

SALARY INCREASES: Representative values of the assumed rates of future salary increases are as follows:

Service Index	Merit & Seniority	Base	Annual Rate of Salary Increases	
1	22.00%	3.25%	25.25%	
2	15.00	3.25	18.25	
3	7.00	3.25	10.25	
4	5.00	3.25	8.25	
5	3.75	3.25	7.00	
6	2.50	3.25	5.75	
7	2.00	3.25	5.25	
8	1.50	3.25	4.75	
9–25	1.00	3.25	4.25	

	MORTALI	TY RATE		MORTALIT	Y RATE	
AGE	MEN	WOMEN	AGE	MEN	WOMEN	
35	.11%	.11%	60	.77%	.53%	
40	.17	.16	65	1.08	.78	
45	.25	.20	70	1.66	1.28	
50	.38	.26	75	2.71	2.11	
55	.56	.38	80	4.57	3.57	

NORMAL RETIREMENT

July 1, 2011 Who	s Hired Prior to Have Vested Status Jary 1, 2012		and for Men	rs Hired on or After hbers Hired Prior to Vested Status as of	July 1, 2011		
Retirement Ages	% of Active Members Retiring Within Next Year	Age 46 with 21 years	Age 47 with 22 years	Age 48 with 23 years	Age 49 with 24 years	Age 50 with 25 years	
45	22%						
46	22%	27%					
47	22%	27%	31%				
48	22%	25%	31%	34%			
49	22%	25%	31%	34%	38%		
50	22%	25%	27%	34%	38%	40%	
51	22%	22%	27%	31%	38%	40%	
52	22%	22%	22%	31%	33%	40%	
53	22%	22%	22%	22%	33%	38%	
54	22%	22%	22%	22%	22%	38%	
55	22%	22%	22%	22%	22%	22%	
56	22%	22%	22%	22%	22%	22%	
57	22%	22%	22%	22%	22%	22%	
58	22%	22%	22%	22%	22%	22%	
59	22%	22%	22%	22%	22%	22%	
60	22%	22%	22%	22%	22%	22%	
61	22%	20%	20%	20%	20%	20%	
62	22%	22%	22%	22%	22%	22%	
63	22%	22%	22%	22%	22%	22%	
64	20%	20%	20%	20%	20%	20%	
65	25%	25%	25%	25%	25%	25%	
66	50%	50%	50%	50%	50%	50%	
67	50%	50%	50%	50%	50%	50%	
68	50%	50%	50%	50%	50%	50%	
69	50%	50%	50%	50%	50%	50%	
70	100%	100%	100%	100%	100%	100%	

GROUP II – FIREFIGHTERS

SEPARATIONS FROM ACTIVE SERVICE: Representative values of the assumed annual rates of withdrawal and vesting, death, disability, and retirement are as follows:

				Annual Rate	e of		
	Withdrawal and Vesting			Death	ŧ	Disabili	ty**
Age	Years of Service	Men	Women	Men	Women	Men	Women
	0	7.75%	7.75%				
	1	4.50	4.50				
	2	3.00	3.00				
	3	2.75	2.75				
	4	2.25	2.25				
25	5+	1.25	1.25	.04%	.01%	.06%	.06%
30		1.25	1.25	.04	.02	.07	.07
35		1.25	1.25	.05	.03	.09	.09
40		1.25	1.25	.06	.04	.12	.12
45		1.25	1.25	.09	.06	.18	.18
50		1.25	1.25	.16	.11	.27	.27
55		1.25	1.25	.27	.17	.40	.40
60		1.25	1.25	_	_	_	_

SALARY INCREASES: Representative values of the assumed rates of future salary increases are as follows:

Service Index	Merit & Seniority	Base	Annual Rate of Salary Increases	
1	22.00%	3.25%	25.25%	
2	15.00	3.25	18.25	
3	7.00	3.25	10.25	
4	5.00	3.25	8.25	
5	3.75	3.25	7.00	
6	2.50	3.25	5.75	
7	2.00	3.25	5.25	
8	1.50	3.25	4.75	
9–25	1.00	3.25	4.25	

	MORTALITY RATE			MORTALITY RATE				
AGE	MEN	WOMEN	AGE	MEN	WOMEN			
35	.11%	.11%	60	.77%	.53%			
40	.17	.16	65	1.08	.78			
45	.25	.20	70	1.66	1.28			
50	.38	.26	75	2.71	2.11			
55	.56	.38	80	4.57	3.57			

NORMAL RETIREMENT

July 1, 2011 Who	s Hired Prior to Have Vested Status Jary 1, 2012		and for Men	rs Hired on or After nbers Hired Prior to Vested Status as of	July 1, 2011		
Retirement Ages	% of Active Members Retiring Within Next Year	Age 46 with 21 years	Age 47 with 22 years	Age 48 with 23 years	Age 49 with 24 years	Age 50 with 25 years	
45	12%						
46	12%	15%					
47	12%	15%	18%				
48	12%	15%	18%	22%			
49	12%	15%	18%	22%	26%		
50	17%	15%	18%	21%	26%	30%	
51	17%	17%	18%	21%	26%	30%	
52	17%	17%	17%	21%	21%	30%	
53	17%	17%	17%	17%	21%	22%	
54	17%	17%	17%	17%	17%	22%	
55	22%	22%	22%	22%	22%	22%	
56	22%	22%	22%	22%	22%	22%	
57	22%	22%	22%	22%	22%	22%	
58	22%	22%	22%	22%	22%	22%	
59	22%	22%	22%	22%	22%	22%	
60	28%	28%	28%	28%	22%	28%	
61	28%	28%	28%	28%	28%	28%	
62	28%	28%	28%	28%	28%	28%	
63	28%	28%	28%	28%	28%	28%	
64	28%	28%	28%	28%	28%	28%	
65	28%	28%	28%	28%	28%	28%	
66	28%	28%	28%	28%	28%	28%	
67	28%	28%	28%	28%	28%	28%	
68	28%	28%	28%	28%	28%	28%	
69	28%	28%	28%	28%	28%	28%	
70	100%	100%	100%	100%	100%	100%	

HISTORICAL MEMBERSHIP DATA — ACTIVE AND RETIRED

The following 4 tables summarize the actuarial valuation data for the period from 2009 through 2013. Valuations are prepared biennially. An interim valuation was prepared in fiscal year 2008, 2010 and in fiscal year 2012.

EMPLOYEE	S (ag	gregate compensation and	nd annual allowance dollars in thousands)					
ACTIVE MEMBERSHIP DATA								
FISCAL YEAR	NUMBER OF ACTIVES***	AGGREGATE COMPENSATION	AVERAGE COMPENSATION	% INCREASE IN AVERAGE COMPENSATION				
2016 2015 2014	24,520 24,298 25,545	\$1,136,451 1,127,766 1.088,508	\$ 46,348 46,414 44,347	(0.14%) 4.66% 1.94%				
2013 2012 2011	24,809 24,747 25,539	1,079,245 1,076,831 1,113,867	43,502 43,514 43,614	(0.03%) (0.23%) 3.68%				

RETIRED MEMBERSHIP DATA

	ADDED	TO ROLLS		OVED FROM ROLLS	ROLLS I YE/			
FISCAL YEAR	NO.*	ANNUAL** ALLOWANCES (IN DOLLARS)	NO.*	ANNUAL** ALLOWANCES (IN DOLLARS)	NO.*	ANNUAL** ALLOWANCES	% INCREASE IN ANNUAL ALLOWANCES	
2016 2015 2014 2013 2012 2011	1,134 1,504 1,094 1,110 1,111 1,113	\$19,332 21,357 15,784 16,335 14,711 16,521	475 1,335 492 539 457 428	\$4,636 10,968 5,431 6,699 4,890 4,578	16,142 15,483 15,314 14,712 14,141 13,487	\$223,130 208,434 198,045 187,692 178,056 168,235	7.05% 5.25% 5.52% 5.41% 5.84% 7.64%	

TEACHERS	(aggregate compensation and annual allowance dollars in thousands)
ACTIVE MEMBERSHIP DATA	

FISCAL YEAR	NUMBER OF ACTIVES***	AGGREGATE COMPENSATION	AVERAGE COMPENSATION	% INCREASE IN AVERAGE COMPENSATION	
2016	17,784	\$1,065,621	\$ 59,920	1.15%	
2015	17,732	1,050,447	59,240	3.06%	
2014	17,986	1,033,867	57,482	(0.04%)	
2013	18,084	1,039,934	57,506	`0.75%´	
2012	18,161	1,036,605	57,079	1.70%	
2011	18,466	1,036,376	56,123	2.28%	

RETIRED MEMBERSHIP DATA

	ADDED	TO ROLLS		OVED FROM ROLLS	ROLLS E YE/			
FISCAL YEAR	NO.*	ANNUAL** ALLOWANCES (IN DOLLARS)	NO.*	ANNUAL** ALLOWANCES (IN DOLLARS)	NO.*	ANNUAL** ALLOWANCES	% INCREASE IN ANNUAL ALLOWANCES	
2016	760	\$19,954	209	\$5,325	11,410	\$263,964	5.87%	
2015	840	21,653	946	6,891	10,859	249,335	6.25%	
2014	744	17,222	186	4,802	10,965	234,663	5.59%	
2013	698	15,844	247	5,860	10,407	222,243	4.70%	
2012	712	16,420	183	5,150	9,956	212,259	5.61%	
2011	504	10,402	164	3,644	9,427	200,989	3.48%	

*Includes beneficiaries in receipt but excludes deferred vested terminations.

**Includes additional COLA allowances. The benefit amounts shown are the monthly benefits as of the valuation date annualized and are not the actual benefits paid during the fiscal year.

***Excludes temporary inactive members.

POLICE OF	FICERS	(aggregate compensation and	(aggregate compensation and annual allowance dollars in thousands)					
ACTIVE MEMBERSHIP DATA								
FISCAL YEAR	NUMBER OF ACTIVES***	AGGREGATE COMPENSATION	AVERAGE COMPENSATION	% INCREASE IN AVERAGE COMPENSATION				
2016	4,139	\$ 280,577	\$ 67,789	1.22%				
2015	4,17 4	279.55 5	66.975	3.15%				
2014	4,166	270,497	64,930	1.91%				
2013	4,187	266,775	63,715	0.20%				
2012	4,118	261,865	63,590	1.20%				
2011	4,130	259,509	62,835	2.86%				

RETIRED MEMBERSHIP DATA

	ADDED TO ROLLS		REMOVED FROM ROLLS		ROLLS END OF YEAR			
FISCAL YEAR	NO.*	ANNUAL** ALLOWANCES (IN DOLLARS)	NO.*	ANNUAL** ALLOWANCES (IN DOLLARS)	NO.*	ANNUAL** ALLOWANCES	% INCREASE IN ANNUAL ALLOWANCES	
2016	239	\$10,027	67	\$1,339	3,629	\$129,690	7.18%	
2015	282	7,303	107	1,675	3,457	121,002	4.88%	
2014	178	6,420	59	1.304	3,282	115.374	4.64%	
2013	247	8,189	65	1,464	3,163	110.258	6.50%	
2012	171	6.977	70	1.008	2,981	103.533	6.12%	
2011	237	10,730	59	1,133	2,880	97,564	10.46%	

FIREFIGHTERS	(aggregate compensation and annual allowance dollars in thousands)
ACTIVE MEMBERSHIP DATA	

FISCAL YEAR	NUMBER OF ACTIVES***	AGGREGATE COMPENSATION	AVERAGE COMPENSATION	% INCREASE IN AVERAGE COMPENSATION	
2016	1,626	\$ 118,754	\$ 73,034	0.15%	
2015	1,608	117,263	72,925	2.07%	
2014	1,610	115,027	71,445	(0.78%)	
2013	1,608	115,788	72,007	2.39%	
2012	1,599	112,456	70,329	4.36%	
2011	1,603	108,028	67,391	1.75%	

RETIRED MEMBERSHIP DATA

	ADDED TO ROLLS		REMOVED FROM ROLLS		ROLLS END OF YEAR			
FISCAL YEAR	NO.*	ANNUAL** ALLOWANCES (IN DOLLARS)	NO.*	ANNUAL** ALLOWANCES (IN DOLLARS)	NO.*	ANNUAL** ALLOWANCES	% INCREASE IN ANNUAL ALLOWANCES	
2016	75	\$4,177	31	\$ 936	1,595	\$61,492	5.56%	
2015	105	4,546	47	882	1,551	58,251	6.71%	
2014	89	2,774	43	1,139	1,493	54,587	3.09%	
2013	98	3,497	27	715	1,447	52,952	5.55%	
2012	79	3,105	39	495	1,376	50,170	5.49%	
2011	111	5,051	29	696	1,336	47,560	10.08%	

*Includes beneficiaries in receipt but excludes deferred vested terminations.

**Includes additional COLA allowances. The benefit amounts shown are the monthly benefits as of the valuation date annualized and are not the actual benefits paid during the fiscal year.

***Excludes temporary inactive members.

SOLVENCY TEST

TOTAL	OF ALL GRO	OUPS			(dollars in thousands)				
		Projected Liabilities	For						
Fiscal Year	(1) Aggregate Member Contributions	(2) Current Retirees & Beneficiaries	(3) Active & Inactive Members (Employer Financed Portion)*	Net Position Held For Benefits	Lia	ercentage of Accrued bilities Covered By No sition Held for Benefit (2)	et		
2016	\$2,978,817	\$6,964,227	\$2,789,821	\$7,636,066	100.00%	67.00%	0.00%		
2015	\$2,886,196	\$3,210,280	\$1,820,582	\$4,862,256	100.00%	82.00%	0.00%		
2014	\$2,842,340	\$5,789,052	\$2,413,782	\$6,700,553	100.00%	67.00%	0.00%		
2013	\$2,808,526	\$5,519,814	\$2,380,428	\$6,070,681	100.00%	59.00%	0.00%		
2012	\$2,773,081	\$5,246,672	\$2,341,847	\$5,817,882	100.00%	58.00%	0.00%		
2011	\$2,631,430	\$4,959,865	\$2,406,956	\$5,740,516	100.00%	63.00%	0.00%		

EMPLOYEES

		Projected Liabilities	For				
Fiscal Year	(1) Aggregate Member Contributions	(2) Current Retirees & Beneficiaries	(3) Active & Inactive Members (Employer Financed Portion)*	Net Position Held For Benefits	Lia	Percentage of Accrued abilities Covered By Ne osition Held for Benefit (2)	et
2016 2015	\$1,152,928 \$1.107.866	\$2,139,549 \$1.916.257	\$ 857,347 \$ 840.426	\$2,538,563 \$2.403.29 4	100.00% 100.00%	65.00% 68.00%	0.00% 0.00%
2014 2013	\$1,083,878 \$1,069.628	\$1,823,517 \$1.729.855	\$ 784,437 \$ 755.482	\$2,195,284 \$1,977,479	100.00%	61.00% 52.00%	0.00%
2012 2011	\$1,052,106 \$995.389	\$1,641,026 \$1.548.109	\$ 756,255 \$ 810,983	\$1,877,395 \$1,834,609	100.00% 100.00%	50.00% 54.00%	0.00%

(dollars in thousands)

TEAC	HERS					(dollars in thousands)				
		Projected Liabilities	For							
Fiscal Year	(1) Aggregate Member Contributions	(2) Current Retirees & Beneficiaries	(3) Active & Inactive Members (Employer Financed Portion)*	Net Position Held For Benefits	Lial	ercentage of Accrued bilities Covered By N sition Held for Benefit (2)	et			
2016	\$1,171,831	\$2,692,037	\$1,156,821	\$2,799,863	100.00%	60.00%	0.00%			
2015	\$1,127,439	\$2,323,302	\$ 988,870	\$2,682,083	100.00%	67.00%	0.00%			
2014	\$1,113,650	\$2,198,892	\$ 966,511	\$2,482,496	100.00%	62.00%	0.00%			
2013	\$1,107,192	\$2,087,926	\$ 977,937	\$2,255,011	100.00%	55.00%	0.00%			
2012	\$1,101,262	\$1,999,152	\$ 949,670	\$2,173,315	100.00%	50.00%	0.00%			
2011	\$1,041,699	\$1,893,862	\$ 973,407	\$2,153,182	100.00%	59.00%	0.00%			

*Liabilities for active members are based on service as of the valuation date and projected compensation at the member's expected retirement date. Also includes terminated vested members.

NOTE: Based on a 7.75% interest rate for fiscal year 2011 and later, and an 8.5% interest rate for fiscal year 2010.

POLIC	E OFFICERS				(dollars in thousands)				
-	F	Projected Liabilities Fo	or						
Fiscal Year	(1) Aggregate Member Contributions	(2) Current Retirees & Beneficiaries	(3) Active & Inactive Members (Employer Financed Portion)*	Net Position Held For Benefits	Liat	ercentage of Accrued bilities Covered By N sition Held for Benefit (2)	et		
2016 2015 2014 2013 2012 2011	\$430,490 \$429,115 \$422,972 \$417,630 \$411,672 \$396,344	\$1,460,840 \$1,266,591 \$1,209,741 \$1,160,173 \$1,092,005 \$1,030,900	\$463,902 \$454,133 \$438,580 \$949,670	\$1,546,665 \$1,477,517 \$1,361,280 \$1,236,579 \$1,189,308 \$1,179,798	100.00% 100.00% 100.00% 100.00% 100.00% 100.00%	76.00% 83.00% 78.00% 71.00% 71.00% 76.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00%		

FIREFI	GHTERS					(dollars	in thousands)	
	F	Projected Liabilities	For					
Fiscal Year	(1) Aggregate Member Contributions	(2) Current Retirees & Beneficiaries	(3) Active & Inactive Members (Employer Financed Portion)*	Net Position Held For Benefits	Lial	ercentage of Accrued bilities Covered By N sition Held for Benefi (2)	et	
2016 2015 2014 2013 2012 2011	\$223,568 \$221,776 \$221,840 \$214,076 \$208,041 \$197,998	\$671,801 \$592,362 \$556,902 \$541,860 \$514,489 \$486,994	\$240,428 \$210,708 \$208,701 \$208,430 \$203,805 \$190,310	\$750,975 \$718,867 \$661,493 \$601,612 \$577,864 \$572,927	100.00% 100.00% 100.00% 100.00% 100.00% 100.00%	79.00% 84.00% 79.00% 72.00% 72.00% 77.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	

*Liabilities for active members are based on service as of the valuation date and projected compensation at the member's expected retirement date. Also includes terminated vested members.

NOTE: Based on a 7.75% interest rate for fiscal year 2011 and later, and an 8.5% interest rate for fiscal year 2010.

ANALYSIS OF PAST FINANCIAL EXPERIENCE

This presentation shows the experience of actual financial results relative to expected results. It is an analysis which focuses on actuarial gains and losses over the most recent five actuarial valuations and reconciles the difference in the actuarial normal contribution rates from the expected to actual values.

RECONCILIATION OF EMPLOYER NORMAL RATE *

EMPLOYEES

YEAR ENDED	June	30, 2015	June 3	0, 2013	June 30 2011	June 30 2009	June 30 2007
	State Employees	Political Subdivision Employees	State _Employees	Political Subdivision Employees			
Projected Normal Rate*	10.34%	10.34%	10.51%	10.44%	10.71%	9.09%	8.74%
Decremental Experience	_	_	_	_	_	_	_
Pensioner's Experience	_	—	_	_	—	_	_
Excess Salary Increases	_	—	_	_	—	_	_
Method Change	—	—	_	_	_	_	0.98
Effect of Legislation	_	—	—	_	(1.95)	(0.15)	(0.57)
Asset (Gains)/Losses	(0.44)	(0.44)	0.52	0.52	0.31	1.18	(0.36)
Current New Entrants	_	—	—	_	_	_	—
Amendments	—	—	—	_	_	_	_
Target Rate System Experience	_	—	—	_	_	_	_
Assumption Changes	1.18	1.18	_	_	1.01	_	0.41
Other (Gains)/Losses	—	—	(0.17)	(0.10)	0.36	0.59	(0.11)
ACTUAL NORMAL RATE	11.08%	11.08%	10.86%	10.86%	10.44%	10.71%	9.09%

TEACHERS						
YEAR ENDED	June 30 2015	June 30 2013	June 30 2011	June 30 2009	June 30 2007	June 30 2005
Projected Normal Rate *	12.09%	11.96%	11.51%	9.38%	8.93%	4.67%
Decremental Experience	_	_	_	_	_	(.01)
Pensioner's Experience	_	_	—	—	_	_
Excess Salary Increases	_	_	_	_	_	.09
Method Change	_	_	_	_	0.82	_
Effect of Legislation	_	_	(2.27)	_	(0.72)	_
Asset (Gains)/Losses	(0.30)	0.61	0.39	1.55	(0.46)	1.52
Current New Entrants		_	_	_	` _´	.02
Amendments	—	_	_	_	_	_
Target Rate System Experience	_	_	_	_	_	1.14
Assumption Changes	3.91	_	2.05	_	0.80	.90
Other (Gains)/Losses	—	0.15	0.28	0.58	0.01	.60
ACTUAL NORMAL RATE	15.70%	12.72%	11.96%	11.51%	9.38%	8.93%

*Based on forecast valuations.

This presentation shows the experience of actual financial results relative to expected results. It is an analysis which focuses on actuarial gains and losses over the most recent five actuarial valuations and reconciles the difference in the actuarial normal contribution rates from the expected to actual values.

RECONCILIATION OF EMPLOYER NORMAL RATE *

POLICE OFFICERS

YEAR ENDED	June	30, 2015	June 3	0, 2013	June 30 2011	June 30 2009	June 30 2007	June 30 2005
	State Police Officers	Political Subdivision Police Officers	State Police Officers	Political Subdivision Police Officers				
Projected Normal Rate *	20.88%	20.88%	21.45%	21.35%	22.92%	17.34%	18.21%	12.33%
Decremental Experience	_	_	_	_	_	_	_	.38
Pensioner's Experience	_	_	_	_	_	_	_	.01
Excess Salary Increases	_	_	_	_	_	_	_	(.12)
Method Change	_	_	_	_	_	_	1.11	_
Effect of Legislation	_	_	_	_	(7.15)	_	(2.17)	_
Asset (Gains)/Losses	(1.57)	(1.57)	1.31	1.31	0.85	2.89	(0.90)	1.85
Current New Entrants	_	_	_	_	_	_	_	.16
Amendments	_	_	_	_	_	_	_	_
Target Rate System Experience	_	_	_	_	_	_	_	1.47
Assumption Changes	6.02	6.02	_	_	4.00	_	0.31	2.08
Other Asset (Gains)/Losses	—	—	(0.22)	(0.12)	0.73	2.69	0.78	.05
ACTUAL NORMAL RATE	25.33%	25.33%	22.54%	22.54 %	21.35%	22.92%	17.34%	18.21%

FIREFIGHTERS

YEAR ENDED			June 30, 2013		June 30 2011	June 30 2009	June 30 2007	June 30 2005
	State Firefighters	Political Subdivision Firefighters	State Firefighters	Political Subdivision Firefighters				
Projected Normal Rate *	23.38%	23.38%	23.90%	23.79%	28.25%	22.52%	24.49%	16.31%
Decremental Experience	_	_	_	_	_	_	_	.04
Pensioner's Experience	_	_	_	_	_	_	_	(.06)
Excess Salary Increases	_	_	—	—	_	—	—	.17
Method Change	_	_	—	—	_	—	2.48	—
Effect of Legislation	_	_	—	—	(8.58)	—	(2.61)	—
Asset (Gains)/Losses	(1.39)	(1.39)	—	—	0.99	3.24%	(1.05)	2.23
Current New Entrants	_	—	_	_	—	_	_	.14
Amendments	_	_	—	—	_	—	—	—
Target Rate System Experience	_	—	_	_	_	_	_	6.22
Assumption Changes	5.80	5.80	—	—	3.39	—	0.21	(.32)
Other Asset (Gains)/Losses	—	—	—	—	(0.26)	2.49%	(1.00)	(.24)
ACTUAL NORMAL RATE	27.79	27.79	25.32%	25.32%	23.79%	28.25%	22.52%	24.49%

*Based on forecast valuations.

SUMMARY OF PRINCIPAL PLAN PROVISIONS AS INTERPRETED FOR VALUATION PURPOSES

Legal Plan Name	New Hampshire Retirement System.	
-		
Effective Date	July 1, 1967.	
Membership	Prospectively, any employee or teacher beco of employment. Any employee appointed to term on or after July 1, 2011 will also becom as a condition of employment. Membership is appointed for fixed terms, unclassified state to July 1, 2011 or employees of the general	an unclassified position with no fixe e a member of the retirement syste s optional for elected officials, officia e employees with no fixed term pri
Average Final Compensation (AFC)	Average annual earnable compensation durin ice. For active members who commenced se have non-vested status on or after January compensation during the highest 5 years of	ervice on or after July 1, 2011 or wh 1, 2012 — Average annual earnab
NOTE:	A more detailed description of the plan prov administrative office or by visiting www.nhrs	
2-BENEFITS		
GROUP I MEMBERS (EMPLOYEES	AND TEACHERS)	
Service Retirement		
Eligibility	Age 60 years (age 65 for members commen	-
Amount of Benefit	A member annuity equal to the actuarial equ contributions plus a state annuity.	ivalent of the member's accumulat
	Prior to the member's attainment of age 65 member annuity, shall be equal to 1/60 of AF of AFC times creditable service for members 1, 2011.)	C multiplied by years of service. (1/
	After attainment of age 65, the state annuity shall be equal to 1/66 of AFC multiplied by y	
Reduced Service Retirement		
Eligibility	Age plus service of at least 70, provided the r ice or age 50 with at least 10 years of servic service for members commencing service of	e (age 60 with 30 years of creditat
Amount of Benefit	Service retirement benefit is reduced by the that benefits commence prior to age 60.	
		Monthly
	Years of Service at Retirement	Percent Reduction
	35 or more	1/8 of 1%
	30–35	1/4 of 1%
	25–30	1/3 of 1%
	20–25 less than 20	5/12 of 1% 5/9 of 1%
	For members commencing service on or afte efit is reduced 1/4 or 1% for each month prio	r July 1, 2011, normal retirement be
Ordinary Disability Retirement		
Eligibility	10 years of service and permanent disability	
Amount of Benefit	Service retirement benefit if normal retireme	nt age. Under age 60 a member a quals 1.5% of AFC multiplied by t

number of years of creditable service at the time of disability; provided that the benefit shall not be less than 25% of AFC.

Accidental Disability Retirement	
Eligibility	Permanently disabled due to accident occurring while in the performance of duty.
Amount of Benefit	Service retirement benefit if age 60, otherwise a member annuity plus a state an- nuity which together equals 50% of AFC; provided that the benefit shall not be less than 50% of AFC.
Ordinary Death Benefit	
Eligibility	Death, other than accidental death.
Amount of Benefit	(a) If 10 years of service or if eligible for service retirement and,
	(i) if survived by a spouse, 50% of the service retirement benefit payable until death or remarriage;
	(ii) if no surviving spouse or member designated a beneficiary other than a spouse, a lump sum equal to the greater of \$3,600 or the member's annu- al compensation.
	(b) If less than 10 years of service and if not eligible for service retirement, a lump sum equal to the greater of \$3,600 or the member's annual compensation.
Accidental Death Benefit	
Eligibility	Accidental death occurring while in the performance of duty.
Amount of Benefit	Benefit equal to 50% of AFC.
Vested Deferred Retirement	
Eligibility	10 years of service, if no withdrawal of contributions.
Amount of Benefit	Payable at age 60, a member annuity plus a state annuity which together equals the service retirement benefit that would be payable after age 60. The benefit changes at age 65 as for service retirement. At any time after attainment of age 50 (age 60 for members hired on or after July 1, 2011), a member may have his benefit commence early, however, the benefit will be reduced for early commencement using the same early retirement reduction factors as described under reduced service retirement.
Return of Members' Contributions	
	(a) Upon termination of service other than for retirement or death, and if vested deferred retirement benefit has not been elected, the member's accumulated contributions are returned to him.
	(b) Upon accidental death or upon other death for which no surviving spouse's benefit is payable, the member's accumulated contributions will be paid to the member's beneficiary or estate.
	(c) Upon death prior to age 60 of a member on deferred vested retirement, the member's accumulated contributions will be paid to the member's beneficiary or estate.
	(d) Upon death of a retired member (or the survivor of a retired member, if an op- tional benefit was elected), the excess of his accumulated contributions at re- tirement over the benefits received by the retired member (and, in the case of election of an optional benefit, the benefits received by the survivor) will be paid to the beneficiary or estate of the member.

	Certain employee members effective January 1, 1976 basis of the provisions of th	have elected to have	their benefits cal	
GROUP II MEMBERS (POLICE OI	FFICERS AND FIREFIGHTERS	5)		
Service Retirement				
Eligibility	Age 45 and 20 years of cr creditable service or age 60 2011).			
Amount of Benefit	A member annuity that is t contributions plus a state a		nt of the member'	s accumulate
	The state annuity, together AFC times creditable servic up to 42.5 years for member ever, a member who comm a service retirement alloward	ce up to 40 years (2% ers commencing servi enced service on or a	o of AFC times cre ce on or after July fter July 1, 2011 s	ditable service 1, 2011). How
	Members hired prior to July 2012 shall be subject to the quired for regular service r ment, and the multiplier us applicable on January 1, 20	e following transition petirement, the minimu ed to calculate the re	provisions for year um age for regular etirement annuity,	s of service re service retire
	Creditable Service on January 1, 2012	Minimum Years of Service	Minimum Age Attained	Annuity Multiplier
	(1) Less than 4 years	24 Years	Age 49	2.1%
	(2) At least 4 years but less than 6 years(3) At least 6 years but	23 Years	Age 48	2.2%
	less than 8 years (4) At least 8 years but	22 Years 21 Years	Age 47	2.3% 2.4%
	less than 10 years Effective July 1, 1992, if a mum annual benefit (prior t	member retires on a		ment, the min
Reduced Service Retirement				
Eligibility	Members commencing ser with at least 25 years of cre		1, 2011 after atta	ining age 52.
Amount of Benefit	The allowance shall be redu ment date precedes the mo by 1/4 of 1%.			
Ordinary Disability Retirement				
Eligibility	10 years service and perma	anent disability.		
Amount of Benefit	A member annuity plus a sta benefit; provided that the b nual compensation.			
Accidental Disability Retirement				
Eligibility	Permanent disability occur	ring while in the perfo	rmance of duty.	
Amount of Benefit	Members hired prior to July are eligible for an accidenta 2/3 of AFC. If a member ha	al disability benefit an	d shall receive a b	penefit equal t

receive a supplemental disability benefit equal to 2-1/2% of AFC times years of creditable service in excess of 26-2/3 years but not in excess of 40 years. Members commencing service on or after July 1, 2011 are eligible for an accidental disability benefit and shall receive a benefit equal to 2/3 of AFC. If a member has more than 33-1/3 years of service, the member will receive a supplemental disability benefit equal to 2% of AFC times years of creditable service in excess of 33-1/3 years but not in excess of 42.5 years. Members hired prior to July 1, 2011 who have non-vested status as of January 1, 2012 are eligible for an accidental disability benefit and shall receive a benefit equal to 2/3 of AFC. The calculation of the supplemental allowance shall be as provided in the transition provisions with the number of years for the supplement adjusted proportionally.

Ordinary Death Benefit								
Eligibility	Death other than accidental death.							
Amount of Benefit	(a) If 10 years service or if eligible for service retirement and,							
	 (i) if survived by a spouse, 50% of the service retirement benefit payab death or remarriage. 	le unti						
	 (ii) if no surviving spouse or member designated a beneficiary other than spouse, a lump sum equal to the greater of \$3,600 or member's annua compensation. 							
	(b) If less than 10 years service and not eligible for service retirement, a lum equal to the greater of \$3,600 or the member's annual compensation.	וף sum						
Accidental Death Benefit								
Eligibility	Accidental death occurring while in the performance of duty.							
Amount of Benefit	50% of the annual rate of compensation payable first to spouse until death marriage, then to children under age 18 or if no spouse or children, to dependent.	ו or re- endent						
Death after Retirement	Retirement Prior to April 1, 1987							
	Lump sum of \$3,600 unless accidental disability retirement, then surviving s receives 50% of the retired member's disability benefits payable until death marriage.							
	Retirement on or after April 1, 1987							
	Benefit payable to surviving spouse until death or remarriage equal to 50% member's service, ordinary disability or accidental disability retirement allo if member was married on the date of retirement plus a lump sum. The lum shall be equal to:	wance						
	If retired prior to July 1, 1988: \$3,600							
	If retired on or after July 1, 1988:							
	If Group II member as of June 30, 1988 \$10,000							
	If becomes a Group II member after June 30, 1988 and prior to July 1, 1993 \$ 3,600							
Special Death Benefit — Old Fi	refighter's System							
	Continuance of duty-connected disability benefits to spouse of deceased member payable until death or remarriage.	retirec						
Vested Deferred Retirement								
Eligibility	10 years of service, if no withdrawal of contributions.							
Amount of Benefit	A benefit determined as for service retirement payable when the member be age 45 with 20 years of service or age 60 if earlier.	would						

Return of Members' Contributio	ns		
	deferre		e other than for retirement or death, and if ves t been elected, the member's accumulated con member.
	benefi		upon other death for which no surviving spous ober's accumulated contributions will be paid to state.
	efits c		n vested deferred retirement prior to the time be ber's accumulated contributions will be paid to state.
	spous memb	e in receipt of the acc er's accumulated co	of a member retired on accidental disability and cidental disability survivor benefit, the excess of ntributions at retirement over the benefits receiv cuse will be paid to the beneficiary or estate.
	tional ment o electio	benefit was elected), over the benefits rec on of an optional ber	mber (or the survivor of a retired member, if an of the excess of accumulated contributions at reti- ceived by the retired member (and, in the case hefit, the benefits received by the survivor) will state of the member.
3-CONTRIBUTIONS			
GROUP I MEMBERS (EMPLO)	YEES AND TEAC	HERS)	
By Members	centage p sumed rat	oints less than eithe	n. Interest on member contributions shall be 2 p r the most recent Board of Trustees approved ed under RSA 100-A:16, II(h) or the actual rate
By Local Employer For Employee Members	100% of t contributio		ion rate for their employees, plus accrued liab
For Teacher Members	100% of t contributio		ion rate for their employees, plus accrued liabi
By the State For Employee Members	100% of t tributions,		on rate for its employees, plus accrued liability co
For Teacher Members		he normal contribution led liability contribution	on rate for teachers employed by local employed ons, if any.
GROUP II MEMBERS (POLICE	OFFICERS AND	FIREFIGHTERS)	
By Members Firefighters	11.80% of	f earnable compensa	ition.
Police Officers	11.55% of	f earnable compensa	ition.
By Local Employer		the normal contributions, if any.	ion rate for their employees, plus accrued liabi
By the State	100% of b	ooth the normal and a	accrued liability contributions, if any.
OPEB PLAN PROVISIONS			
Medical subsidy benefits provid	ed under the OPE	EB plan as of July 1,	2007 are as follows:
		Monthly Amounts	
		Pre-65	Post-65
	Single Couple	\$375.56 \$751.12	\$236.84 \$473.68

The amounts above will not increase.

The following Group I members and their qualified spouses are eligible for coverage under the postemployment medical plan if they are receiving health coverage under the group plan offered by their former employer:

- Employee and teacher members of political subdivisions who were eligible to retire as of July 1, 2008 and who actually retired on or before July 1, 2009, on Service, Early Service, Vested Deferred or Ordinary Disability retirement after completing at least 20 years of creditable service and who subsequently attain age 60 or after completing at least 30 years of creditable service and who subsequently attain age 55.
- Employee and teacher members of political subdivisions who retired on Accidental Disability Retirement on or before July 1, 2004.
- Employee members of the State who retired on or before July 1, 2004, on Service, Ordinary Disability or Vested Deferred Retirement become eligible for the medical subsidy at age 60 with at least 20 years of creditable service; or as early as age 55 with at least 30 years of creditable service.
- Surviving spouses of deceased employee and teacher members of political subdivisions who die while in service, provided that such surviving spouse was covered as the member's spouse in the employer-sponsored plan before the member's death and is entitled to a monthly allowance under Accidental Death, Ordinary Death, or an Optional Allowance.
- Surviving spouses and children of employee and teacher members of political subdivisions and employee members of the State who die as the natural and proximate result of injuries suffered while in the performance of duty. Eligibility for the medical subsidy ceases when the dependent child attains age 18 or age 23, if attending school on a full-time basis, or upon the spouse's remarriage.
- Vested terminated employee members of the State (and spouses) who completed at least 20 years of creditable service and as of July 1, 2004 received an allowance and who subsequently attain age 60.
- Employee members of the State (and spouses) who retired on or before July 1, 2004 after completing at least 20 years of creditable service and who subsequently attained age 60; or after completing at least 30 years of creditable service and who subsequently attained age 55.
- Surviving spouses of deceased employee members of the State who died while in service on or before July 1, 2004, provided that such surviving spouse was covered as the member's spouse in the employer-sponsored plan before the member's death and is entitled to a monthly allowance under Accidental Death, Ordinary Death, or an Optional Allowance.

The following Group II members are eligible for the postemployment medical plan:

- Group II police officer members (or beneficiaries) who are active or retired as of June 30, 2000.
- Group II firefighter members (or beneficiaries) who are active or retired as of June 30, 2000.
- Persons who prior to July 1, 1988, had completed at least 20 years of Group II service and were eligible as of July 1, 1993 for a vested deferred retirement benefit.
- Group II members retired as of July 1, 1991 with a split benefit under RSA 100-A:19-c who had at least 10 years of Group II service.
- Group II members as of June 30, 2005 who subsequently became disabled while in the performance of duty at any time in the future.
- Surviving spouses of deceased Group II members who retired prior to April 1, 1987 and who are not receiving a monthly allowance.

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NEW HAMPSHIRE RETIREMENT SYSTEM



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STATISTICAL SECTION SUMMARY

The schedules that follow in this Statistical Section contain statistical and historical data that is considered useful in assessing the economic condition of the Pension and OPEB plans and for evaluating financial and demographic trends over longer periods of time. Included in this section are the following schedules:

- Schedules of Changes in Net Position for all plans for the past ten years
- · Schedules of Benefit and Refund Deductions for all plans over the past ten years
- · Schedules of Retired Members by Type of Benefit for all plans
- Schedules of Average Benefit Payment Amounts for all plans
- · Schedules of the Principal Participating Employers for all plans
- A Listing of Participating Employers

The NHRS has prepared the data presented for the Changes in Net Position schedules, Benefit and Refund Deduction schedules, the Principal Participating Employers schedules and the Listing of Participating Employers. The schedules of Retired Members by Type of Benefit and the Schedules of Average Benefit Payments Amounts were prepared by the NHRS's actuary. Due to changes in accounting systems, some data is not available or is limited for the full ten year periods but data for the full ten year periods will be added prospectively.

The investment climate over the past decade has been volatile. Investment returns for fiscal year 2016 (1.0%), fiscal year 2015 (3.5%), fiscal year 2014 (17.6%), and fiscal year 2013 (14.5%) have offset the losses experienced during the economic crisis and recession of fiscal years 2008–2009. Although investment returns were positive overall for the decade, net investment income did not achieve the assumed investment return assumption for that period. In absolute dollars, employer contributions to the pension plan have risen 197% over the decade, member contributions to the pension plan were 24% higher a decade ago because of a voluntary service purchase opportunity that was available in 2007 that is no longer available. Pension benefits rose 94% over the decade. Similar increases have been experienced in OPEB contributions and benefits.

The number of NHRS retirees continues to grow along with the average annual benefits amounts paid out. The active membership rolls have remained fairly static throughout the decade but have increased slightly in fiscal years 2016 and 2015 reflecting the improved employment environment. The number of participating employers remains stable.

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CHANGES IN NET POSITION – PEN	SION F	PLAN LAST TE	EN FIS	CAL YEARS		
		FY		FY	FY	FY
		2016		2015	2014	2013
Additions:						
Employer Contributions	\$	357,482	\$	332,294	\$ 328,444	\$ 249,835
Member Contributions		207,949		204,063	199,033	196,489
Net Investment Income (Loss)		61,878		249,806	1,092,585	813,671
Postemployment Medical Plan						
Transfers on Behalf of Employers		—		—	—	_
Net Position Transfers		—		—	—	_
Other		—		_	_	111
Total Additions to Net Position	\$	627,309	\$	786,163	\$ 1,620,062	\$ 1,260,106
Deductions:						
Pension Benefits	\$	670,360	\$	631,312	\$ 599,476	\$ 573,469
Refunds of Contributions		24,233		26,345	26,120	23,191
Administrative Expense		7,061		7,582	7,377	6,999
Professional Fees		950		1,318	1,080	972
Other		313		308	366	818
Total Deductions from Net Position	\$	702,917	\$	666,865	\$ 634,419	\$ 605,449
Change in Net Position	\$	(75,608)	\$	119,298	\$ 985,643	\$ 654,657

CHANGES IN NET POSITION — GROUP II POLICE OFFICER & FIREFIGHTER OPEB PLAN LAST TEN FISCAL YEARS

	FY 2016	FY 2015	FY 2014		FY 2013	
Additions:						
Employer Contributions	\$ 15,854	\$ 15,958	\$	15,438	\$	15,260
Net Investment Income (Loss)	53	342		1,484		1,179
Net Position Transfers	_	_		_		_
Interest Income	257	349		273		243
Other	—	_		_		_
Total Additions to Net Position	\$ 16,164	\$ 16,649	\$	17,195	\$	16,682
Deductions:						
Benefits Paid	\$ 16,528	\$ 16,374	\$	15,980	\$	16,209
Postemployment Medical Plan						
Transfers to Pension Plan on						
Behalf of Employers	_	_		_		_
Net Position Transfers	_	_		_		_
Administrative Expense	6	11		10		10
Professional Fees	_	1		1		1
Other	1	1		—		1
Total Deductions from Net Position	\$ 16,535	\$ 16,387	\$	15,991	\$	16,221
Change in Net Position	\$ (371)	\$ 262	\$	1,204	\$	461

							(in	thousa	nds)		
	FY 2012			FY 2010			FY 2009		FY 2008	FY 2007	
	2012		2011		2010		2000		2000		2001
\$	254,557	\$	274,582	\$	269,677	\$	196,214	\$	188,197	\$	120,438
	199,593		152,412		149,512		142,528		157,985		272,369
	19,811		1,121,460		546,492	(\$	962,057)	(\$	284,095)		769,701
	_		_		_		_		_		58,201
	_		_		89,505		—		_		295,392
	_		13,399	(1,292)		622		1,721		86
\$	473,961	\$	1,561,853	\$	1,053,894	(\$	622,693)	\$	63,808	\$	1,516,187
\$	547,051	\$	519,970	\$	490,075	\$	452,380	\$	391,929	\$	344,851
Ŧ	26,535	+	22,830	+	21,851	Ŧ	24,204	Ŧ	32,297	Ŧ	34,080
	6,261		7,312		6,391		6,968		6,691		5,607
	1,162		1,425		1,205		1,372		1,382		665
	50		743		1,776		2,331		1,910		1,775
\$	581,059	\$	552,280	\$	521,298	\$	487,255	\$	434,209	\$	386,978
(\$	107,098)	\$	1,009,573	\$	532,596	(\$	1,109,948)	(\$	370,401)	\$	1,129,209

	FY 2012	FY 2011		FY 2010		FY 2009			FY 2008		FY 2007
\$ (\$	14,683 6) — 190	\$	8,355 3,333 — —	\$	8,143 12,876 — —	\$ (\$	18,707 21,012) — —	\$ (\$	17,369 5,895) — —	\$	18,078 40,736 — —
\$	- 14,867	\$	40 11,728	(30) 20,989	(\$	14 2,291)	\$	36 11,510	\$	2 58,816
\$	16,231	\$	16,019	\$	15,916	\$	15,688	\$	15,229	\$	13,672
(\$	2) 		 22 5 2		 89,505 151 28 42		 152 30 51		 139 29 40		18,078 160,377 295 25 90
\$	16,229	\$	16,048	\$	105,642	\$	15,921	\$	15,437	\$	192,537
(\$	1,362)	(\$	4,320)	(\$	84,653)	(\$	18,212)	(\$	3,927)	(\$	133,721)

CHANGES IN NET POSITION – GROUP I TEACHERS OPEB PLAN

	FY 2016		FY 2015		FY 2014		FY 2013
Additions:							
Employer Contributions	\$ 31,791	\$	22,557	\$	23,277	\$	23,767
Net Investment Income (Loss)	—		_		_		_
Other	—		_		—	—	—
Total Additions to Net Position	\$ 31,791	\$	22,557	\$	23,277	\$	23,767
Deductions:							
Benefits Paid	\$ 21,772	\$	22,762	\$	23,750	\$	24,731
Postemployment Medical Plan Transfers to Pension Plan on							
Behalf of Employers	_		—		_		_
Net Position Transfers	—		_		_		_
Administrative Expense	—		—		_		-
Professional Fees	—		—		_		_
Interest Expense	778		1,113		1,051		933
Other	—		_		—		—
Total Deductions from Net Position	\$ 22,550	\$	23,875	\$	24,801	\$	25,664
Change in Net Position	\$ 9,241	(\$	1,318)	(\$	1,524)	(\$	1,897)

CHANGES IN NET POSITION – GROUP I POLITICAL SUBDIVISION EMPLOYEES OPEB PLAN

LAST TEN FISCAL YEARS

	FY 2016		FY 2015	FY 2014		FY 2013
Additions:						
Employer Contributions	\$ 1,938	\$	1,848	\$ 2,010	\$	1,885
Net Investment Income (Loss)	52		768	3,867		3,312
Net Position Transfers	—		_	_		-
Interest Income	486		745	778		690
Other	—		_	—		—
Total Additions to Net Position	\$ 2,476	\$	3,361	\$ 6,655	\$	5,887
Deductions:						
Benefits Paid	\$ 5,681	\$	5,792	\$ 6,154	\$	6,413
Postemployment Medical Plan						
Transfers to Pension Plan on						
Behalf of Employers	—		_	_		_
Net Position Transfers	—		_	—		_
Administrative Expense	6		23	26		28
Professional Fees	1		4	4		4
Other	—		1	1		3
Total Deductions from Net Position	\$ 5,688	\$	5,820	\$ 6,185	\$	6,448
Change in Net Position	\$ (3,212)	(\$	2,459)	\$ 470	(\$	561)

							(in tho	usands)			
FY 2012		FY 2011					FY 2009		FY 2008	FY 2007	
\$	24,021 	\$	13,790 314 4	\$ (13,614 2,662 6)	\$ (\$	22,998 3,701) 2	\$ (\$	22,887 1,151) 7	\$	17,791 15,294 —
\$	24,021	\$	14,108	\$	16,270	\$	19,299	\$	21,743	\$	33,085
\$	25,856	\$	26,766	\$	26,779	\$	24,489	\$	21,018	\$	17,260
	_		_		_		_		_		17,791
	_		_				—		- 07		78,362
	_		2		31 6		27 5		27 5		109
			_		<u> </u>		5		5		
	_		_		9		9		7		33
\$	26,777	\$	26,768	\$	26,825	\$	24,530	\$	21,057	\$	113,562
(\$	2,756)	(\$	12,660)	(\$	10,555)	(\$	5,231)	\$	686	(\$	80,477)

				(in thousands)							
FY 2012		FY 2011				FY 2009			FY 2008		FY 2007
\$ (\$	1,928 92)	\$	423 6,460	\$	404 6,239	\$ (\$	12,381 8,466)	\$ (\$	11,420 1,632)	\$	11,858 13,254
	 755 		— — 77	(— — 15)		 1,023		 449		 942
\$	2,591	\$	6,960	\$	6,628	\$	4,938	\$	10,237	\$	26,054
\$	6,804	\$	7,193	\$	7,009	\$	6,496	\$	5,732	\$	4,880
			_		 17,482						11,858 27,805
	_		42		73		61		38		94
\$	29)		8		14		12		8		8
<u> </u>	5)		5		20		21		11		29
\$	6,770	\$	7,248	\$	24,598	\$	6,590	\$	5,789	\$	44,674
(\$	4,179)	(\$	288)	(\$	17,970)	(\$	1,652)	\$	4,448	(\$	18,620)

CHANGES IN NET POSITION – GROUP I STATE EMPLOYEES OPEB PLAN

	FY 2016		FY 2015		FY 2014		FY 2013
Additions:							
Employer Contributions	\$	8,591	\$ 8,552	\$	8,156	\$	8,800
Net Investment Income (Loss)		43	9		30	(\$	1)
Net Position Transfers		—	_		_		—
Interest Income		35	19		_		—
Other		—	—		_		_
Total Additions to Net Position	\$	8,669	\$ 8,580	\$	8,186	\$	8,799
Deductions:							
Benefits Paid	\$	7,824	\$ 8,369	\$	7,927	\$	7,793
Postemployment Medical Plan							
Transfers to Pension Plan on							
Behalf of Employers		—	_		_		_
Net Position Transfers		—	_		_		_
Administrative Expense		5	_		_		—
Professional Fees		1	_		_		_
Interest Expense		—	_		_		_
Other		—	—		—		_
Total Deductions from Net Position	\$	7,830	\$ 8,369	\$	7,927	\$	7,793
Change in Net Position	\$	839	\$ 211	\$	259	\$	1,006

							(in tho	usands)			
FY 2012		FY 2011		FY 2010		FY 2009		FY 2008		FY 2007	
\$ (\$	8,332 66)	\$	10,333 87	\$	10,399	\$	11,150 —	\$	10,030 —	,\$	10,474 —
			- - 1		17,482 — —						
\$	8,266	\$	10,421	\$	27,881	\$	11,150	\$	10,030	\$	10,474
\$	9,708	\$	9,885	\$	10,171	\$	10,926	\$	11,266	\$	10,941
	_		_		_		_		_		10,474 28,848
\$ \$	21)		1		_		_		_		20,040
\$	4)		—		—		—		—		_
	24		_		_		 1,017		439		
\$	9,707	\$	9,886	\$	10,171	\$	11,943	\$	11,705	\$	51,205
(\$	1,441)	\$	535	\$	17,710	(\$	793)	(\$	1,675)	(\$	40,731)

SCHEDULE OF BENEFIT AND REFUND DEDUCTIONS BY TYPE

BENEFIT AND REFUND DEDUCTIONS BY TYPE – PENSION PLAN LAST TEN FISCAL YEARS

	FY 2016	FY 2015	FY 2014	FY 2013
Type of Benefit				
Age and Service Benefits:				
Service Retirement Early Retirement Survivors Vested Deferred Other	\$ 398,056 162,987 36,989 25,937 11,201	\$ 368,298 159,342 34,572 24,161 10,421	\$ 344,810 156,539 32,444 22,463 9,585	\$ 325,542 154,821 30,738 20,730 8,800
Death in Service Benefit	2,608	2,430	1,744	1,719
Disability Benefits				
Duty Related Non Duty Related Survivors	21,599 9,200 1,783	21,152 9,047 1,889	20,837 9,080 1,974	20,674 8,787 1,658
Total Benefits	\$ 670,360	\$ 631,312	\$ 599,476	\$ 573,469
Type of Refund Separation Death	\$ 18,856 5,377	\$ 20,121 6,224	\$ 21,429 4,691	\$ 18,133 5,058
Total Refunds	\$ 24,233	\$ 26,345	\$ 26,120	\$ 23,191

BENEFIT AND REFUND DEDUCTIONS BY TYPE — OPEB PLANS LAST TEN FISCAL YEARS

		FY 2016		FY 2015		FY 2014		FY 2013					
GROUP II POLICE OFFICERS & FIREFIGHTERS													
Type of Benefit													
Medical Subsidy Payments	\$	16,528	\$	16,374	\$	15,981	\$	16,209					
Total Benefits	\$	16,528	\$	16,374	\$	15,981	\$	16,209					
GROUP I TEACHERS													
Type of Benefit Medical Subsidy Payments	\$	21,772	\$	22,762	\$	23,750	\$	24,731					
Total Benefits	۰ \$,	۰ \$		φ \$		φ \$						
	Ť	21,772	Ψ	22,762	Ψ	23,750	Ψ	24,731					
GROUP I POLITICAL SUBDIVIS		PLOYEES											
Type of Benefit	ф.	5 001	•	5 700	•	0.454	•	0.440					
Medical Subsidy Payments	\$	5,681	\$	5,792	\$	6,154	\$	6,413					
Total Benefits	\$	5,681	\$	5,792	\$	6,154	\$	6,413					
GROUP I STATE EMPLOYEES	OPEB PL	AN											
Type of Benefit Medical Subsidy Payments	\$	7,824	\$	8,369	\$	7,927	\$	7,793					
Total Benefits	\$	7,824	\$	8,369	\$	7,927	\$	7,793					

				(in thousands)															
	FY 2012	FY 2011											FY 2010		FY 2009		FY 2008		FY 2007
\$	308,230	\$	287,736	\$	270,523	\$	249,909	\$	216,344	\$	190,973								
	150,023 29,128		145,483 28,986		138,643 27,079		125,471 25,160		101,286 21,961		86,65 19,91								
	19,446		20,900 19,217		18,063		17,042		18,573		16,054								
	7,826		6,803		5,882		5,040		5,546		3,959								
	1,800		1,654		1,326		2,000		2,396		2,456								
	20,374		19,769		18,682		18,043		16,869		16,198								
	8,581 1,643		8,676 1,646		8,312 1,565		8,261 1,454		7,567 1,387		7,253 1,388								
\$	547,051	\$	519,970	\$	490,075	\$	452,380	\$	391,929	\$	344,851								
•		•		•		•		•		•									
\$	20,299 6,236	\$	18,362 4,468	\$	18,580 3,271	\$	20,364 3,840	\$	29,613 2,684	\$	31,502 2,578								
\$	26,535	\$	22,830	\$	21,851	\$	24,204	\$	32,297	\$	34,080								
	51/		57	(in thousands)							FY								
	FY 2012	FY 2011		FY 2010		FY 2009		FY 2008		2007									
\$	16,231	\$	16,019	\$	15,916	\$	15,688	\$	15,229	\$	13,672								
\$	16,231	\$	16,019	\$	15,916	\$	15,688	\$	15,229	\$	13,672								
\$	25,856	\$	26,767	\$	26,779	\$	24,489	\$	21,018	\$	17,260								
\$	25,856	\$	26,767	\$	26,779	\$	24,489	\$	21,018	\$	17,260								
\$	6,804	\$	7,193	\$	7,010	\$	6,496	\$	5,732	\$	4,880								
\$	6,804	\$	7,193	\$	7,010	\$	6,496	\$	5,732	\$	4,880								
	9,708	¢	9,885	\$	10,170	\$	10,926	\$	11,266	\$	10,94 ⁻								
\$	9,700	\$	9,000	ψ	10,170	Ψ	,	Ψ	11,200	Ψ	,								

SCHEDULE OF RETIRED AND VESTED MEMBERS BY TYPE OF BENEFIT

SCHEDULE OF RETIRED AND VESTED MEMBERS BY TYPE OF BENEFITS AS OF JUNE 30, 2016 PENSION PLAN

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	PENSION PLAN								
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$				Type of Re	tirement*				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			1	2	3	4	5	6	7
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	EMPLOYEES								
TEACHERS \$1-500 809 541 1 - - - 76 191 1,001-1,500 1,751 1,461 73 3 4 - 100 110 1,501-2,000 1,818 1,643 29 6 5 - 81 54 2,001-2,500 1,892 1,781 17 9 - 1 66 18 2,501-3,000 1,526 1,459 8 3 - - 48 8 3,051-4,000 678 661 - - 1 - 14 2 Over 4,000 532 517 - - - 15 - Totals 12,121 10,644 171 23 13 1 558 711 POLICE OFFICERS - - - 2 35 - - 235 - 235 - 235 - - 276	501-1,000 1,001-1,500 1,501-2,000 2,001-2,500 2,501-3,000 3,001-3,500 3,501-4,000	4,979 2,982 1,776 1,064 694 438 299 396	3,762 2,350 1,504 960 636 412 283 383	259 84 22 4 4 - 1	121 235 95 25 7 4 1	9 12 4 	2 4 2 2	428 164 100 60 40 20 13	370 398 133 49 13 6 2 1 1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Totals	17,115	13,783	426	492	38	11	1,392	973
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	TEACHERS								
POLICE OFFICERS $\$1-500$ 196 159 - - - 2 35 - $501-1,000$ 334 173 9 1 - - 138 13 $1,001-1,500$ 392 189 24 7 2 1 135 34 $1,501-2,000$ 341 204 20 32 2 1 64 18 $2,001-2,500$ 388 285 8 59 1 1 23 11 $2,501-3,000$ 403 281 - 89 - - 27 66 $3,001-3,500$ 370 313 - 41 2 3 9 22 $3,501-4,000$ 301 266 1 24 1 - 7 2 $0ver 4,000$ 993 930 1 47 1 1 10 3 $501-1,000$ 109 38 1	\$1-500 501-1,000 1,001-1,500 1,501-2,000 2,001-2,500 2,501-3,000 3,001-3,500 3,501-4,000	1,908 1,751 1,818 1,892 1,526 1,207 678	1,419 1,461 1,643 1,781 1,459 1,162 661	40 73 29 17 8	3 6 9 3	3 4 5 - - 1		121 100 81 66 48 37 14	191 325 110 54 18 8 3 2
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Totals	12,121	10,644	171	23	13	1	558	711
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$									
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$									
FIREFIGHTERS $\$1-500$ 45 23 - - - 2 20 - $501-1,000$ 109 38 1 - - - 70 - $1,001-1,500$ 164 69 8 5 1 5 72 4 $1,501-2,000$ 146 67 9 11 - 1 54 4 $2,001-2,500$ 178 110 5 21 1 3 36 22 $2,501-3,000$ 165 128 1 25 - - 9 22 $3,001-3,500$ 158 133 1 17 - 2 5 - $3,501-4,000$ 139 129 - 8 - 1 1 - Over 4,000 503 479 - 13 1 - 10 -	501-1,000 1,001-1,500 1,501-2,000 2,001-2,500 2,501-3,000 3,001-3,500 3,501-4,000 Over 4,000	334 392 341 388 403 370 301	173 189 204 285 281 313 266	9 24 20 8 1	1 7 32 59 89 41 24	2 2 1 2 1	1 1 3 	138 135 64 23 27 9 7	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Totals	3,718	2,800	63	300	9	9	448	89
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	FIREFIGHTERS								
10tais 1,607 1,176 25 100 3 14 277 12	501-1,000 1,001-1,500 1,501-2,000 2,001-2,500 2,501-3,000 3,001-3,500 3,501-4,000 Over 4,000	109 164 146 178 165 158 139 503	38 69 67 110 128 133 129 479	8 9 5 1 - -	5 11 21 25 17 8 13	- 1 - - 1	- 5 1 3 - 2 1 -	70 72 54 36 9 5 1 10	- 4 4 2 2 - -
	Iotais	1,607	1,176	25	100	3	14	277	12

* Type of Retirement: 1—Service and early retirement. 2—Ordinary disability retirement. 3—Accidental disability retirement. 4—Ordinary death in active service. 5—Accidental death in active service. 6—Beneficiaries of deceased members who retired on a service or disability allowance. 7—Vested member with future benefit.

			C	Pption Selec	ted #					
No Option	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Option 7	Option 8	Option 9	Other*
2,745	145	253	98	651	212	5	8	_	_	370
2,790 1,547	106 75	329 238	115 98	891 619	331 264	13 6	6 2	—	_	398 133
854	37	173	98 75	424	154	7	3	_	_	49
456	12	124	46	312	98	1	2	_	_	13
261	16	96	29	204	78	2	2	—	—	6
179 101	6 6	67 48	19 21	121 87	43 34	1 1	_	_	_	2
124	4	63	36	112	54	1	1	_	_	1
9,057	407	1,391	537	3,421	1,268	37	24	-	_	973
432	30	39	2	97	14	3	1	_	_	191
1,010	63	99	27	306	71	5	2	_	_	325
881	49	132	50	406	116	5	2	_	_	110
833	53	151	48	492	178	2	7	—	—	54
812 639	42 39	156 132	70 57	570 447	216 197	2 3	6 4	_	_	18 8
499	23	113	50	386	127	2	4	_	_	
289	19	73	25	181	88	_	1	_	_	2
241	7	67	18	138	61	_	_	_	_	
5,636	325	962	347	3,023	1,068	22	27	_	_	711
131	1	8	13	22	21	_	_	_	_	
244	5	14	8	19	27	2	2	—	—	13
261 195	11 12	15 7	15 30	18 15	38 64	_	_	_	_	34 18
190	18	12	50	14	91	_	2	_	_	11
166	22	10	69	16	114	—	—	—	—	6
128 93	16 8	5 2	94 68	9 9	116 119	_	_	_	_	2
243	18	11	304	14	399	1	_	_	_	3
1,651	111	84	651	136	989	3	4	-	-	89
40	_	2		1	2	_	_			
105	_	2 1	_	1	2 2 7	_	_	_	_	_
125	6	7	7	8	7	—	—	—	—	4
103 98	8 13	5 8	9 21	7 7	10 29	_	_	_	_	4
98 60	8	4	29	9	53	_	_	_	_	
44	7	3	41	9 2	61	_	_	_	—	-
41	5	2 2	30 133	2 5	59 225	_ 1	_ 1	_	—	-
125	11									

Option Selected: No option – Straight life. Option 1 – Cash refund. Option 2 – 100% Joint & Survivorship. Option 3 – 50% Joint & Survivorship. Option 4 – 100% Pop-Up. Option 5 – 50% Pop-Up. Option 6 – Other % Joint & Survivorship. Option 7 – Other % Pop-Up. Option 8 – Fixed amount to Beneficiaries. Option 9 – Widow's benefit (accidental disability) 50%

* Elections for vested members with future benefits are made at commencement of benefits.

SCHEDULE OF RETIRED MEMBERS BY TYPE OF BENEFITS AS OF JUNE 30, 2016 OPEB PLANS

OPEB PLANS					
		One	Person	Two F	Person
Amount of Monthly Benefit	Number of Retirees	Pre 65	Post 65	Pre 65	Post 65
GROUP II POLICE OFF	CERS & FIREFIGHTERS				
\$1–500 501–1,000 1,001–1,500 1,501–2,000 Over \$2,000	1,714 1,046 18 7 —	440 62 3 —	1,246 252 1 —	14 713 9 7	14 19 5 —
Total	2,785	505	1,499	743	38
GROUP I TEACHERS O	PEB PLAN				
\$1–500 501–1,000 1,001–1,500 1,501–2,000 Over \$2,000	3,710 593 26 12 	138 33 3 1	3,530 196 13 1	 62 2 10 	42 302 8 —
Total	4,341	175	3,740	74	352
GROUP I POLITICAL SI	JBDIVISION EMPLOYEES	OPEB PLAN			
\$1–500 501–1,000 1,001–1,500 1,501–2,000 Over \$2,000	1,139 98 1 — —	54 9 — —	1,080 48 — — —	13 	5 28 1 —
Total	1,238	63	1,128	13	34
GROUP I STATE EMPLO	OYEES OPEB PLAN				
\$1–500 501–1,000 1,001–1,500 1,501–2,000 Over \$2,000	1,638 156 2 — —	65 7 — —	1,534 84 2 —	31 	39 34 — —
Total	1,796	72	1,620	31	73
TOTAL - OPEB PLANS	6				
\$1–500 501–1,000 1,001–1,500 1,501–2,000 Over \$2,000	8,201 1,893 47 19 —	697 111 6 1	7,390 580 16 1 —	14 819 11 17	100 383 14 —
Total	10,160	815	7,987	861	497
	*		-		

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Schedule of Average Benefit Payment Amounts

SCHEDULE OF AVERAGE BENEFIT PAYMENT AMOUNTS PENSION PLAN — EMPLOYEES

2016			Years	Credite	d Service	Э		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$310	\$460	\$634	\$957	\$1,253	\$1,757	\$2,575	\$1,152
Average annual benefit	\$3,724	\$5,516	\$7,613	\$11,481	\$15,038	\$21,084	\$30,898	\$13,823
Average final average salary	\$42,832	\$42,359	\$41,637	\$47,544	\$49,410	\$52,267	\$65,846	\$49,468
Number of retired members	1,260*	1,706	4,007	2,573	2,520	1,514	2,562	16,142**

* Includes 292 members who did not have service reported.

** Includes 5,892 members who did not have FAS reported.

2015			Years	Credite	d Service	9		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$299	\$451	\$622	\$941	\$1,234	\$1,718	\$2,519	\$1,122
Average annual benefit	\$3,592	\$5,409	\$7,466	\$11,288	\$14,811	\$20,622	\$30,227	\$13,462
Average final average salary	\$44,554	\$43,186	\$41,904	\$47,573	\$49,030	\$55,589	\$64,928	\$49,559
Number of retired members	1,227*	1,638	3,881	2,457	2,448	1,419	2,413	15,483**

* Includes 273 members who did not have service reported.

** Includes 6,453 members who did not have FAS reported.

2014			Years	Credite	d Service	Э		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$326	\$418	\$591	\$878	\$1,158	\$1,568	\$2,319	\$1,078
Average annual benefit	\$3,911	\$5,019	\$7,088	\$10,532	\$13,902	\$18,812	\$27,833	\$12,932
Average final average salary	\$35,623	\$41,017	\$41,061	\$46,293	\$48,678	\$55,009	\$64,041	\$48,488
Number of retired members	992*	1,497	3,835	2,426	2,546	1,475	2,543	15,314**

* Includes 192 members who did not have service reported.

** Includes 7,334 members who did not have FAS reported.

2013			Years	Credite	d Service	9		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$324	\$409	\$584	\$863	\$1,150	\$1,558	\$2,303	\$1,063
Average annual benefit	\$3,883	\$4,906	\$7,013	\$10,359	\$13,801	\$18,691	\$27,633	\$12,758
Average final average salary	\$35,604	\$39,229	\$40,738	\$45,238	\$47,897	\$54,324	\$63,541	\$47,906
Number of retired members	968*	1,444	3,705	2,345	2,434	1,394	2,422	14,712**

* Includes 172 members who did not have service reported.

** Includes 7,506 members who did not have FAS reported.

2012			Years	Credite	d Service	Э		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$343	\$400	\$576	\$854	\$1,142	\$1,535	\$2,274	\$1,049
Average annual benefit	\$4,114	\$4,804	\$6,911	\$10,243	\$13,706	\$18,421	\$27,284	\$12,591
Average final average salary	\$34,356	\$38,505	\$39,797	\$44,567	\$46,998	\$52,948	\$62,444	\$47,037
Number of retired members	992*	1,389	3,511	2,261	2,340	1,323	2,325	14,141**

* Includes 194 members who did not have service reported.

** Includes 7,748 members who did not have FAS reported.

2011			Years	Credite	d Service	Э		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$336	\$393	\$571	\$837	\$1,126	\$1,519	\$2,257	\$1,039
Average annual benefit	\$4,032	\$4,719	\$6,856	\$10,049	\$13,517	\$18,228	\$27,079	\$12,474
Average final average salary	\$32,512	\$37,153	\$38,954	\$43,438	\$45,838	\$51,964	\$61,282	\$46,178
Number of retired members	936*	1,341	3,334	2,144	2,226	1,277	2,229	13,487 **

* Includes 172 members who did not have service reported.

** Includes 7,913 members who did not have FAS reported.

NOTE: Due to system changes, average final average salary data is only available for fiscal years 2007–2014. The available data is limited and represents average final average salary for those members who have retired since fiscal year 2004. Additional years data will be added prospectively.

2010			Years	Credite	d Service	9		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$335	\$386	\$561	\$822	\$1,110	\$1,495	\$2,222	\$1,017
Average annual benefit	\$4,017	\$4,632	\$6,738	\$9,861	\$13,321	\$17,938	\$26,660	\$12,208
Average final average salary	\$32,068	\$35,498	\$37,739	\$41,663	\$44,745	\$50,812	\$60,543	\$45,062
Number of retired members	900*	1,291	3,169	2,059	2,091	1,213	2,079	12,802**

* Includes 161 members who did not have service reported. ** Includes 8,088 members who did not have FAS reported.

2009			Years	Credite	d Service)		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$325	\$374	\$547	\$802	\$1,084	\$1,438	\$2,152	\$975
Average annual benefit	\$3,897	\$4,493	\$6,568	\$9,627	\$13,008	\$17,259	\$25,826	\$11,697
Average final average salary	\$31,667	\$35,280	\$36,695	\$40,033	\$43,215	\$48,520	\$58,876	\$43,547
Number of retired members	876*	1,299	3,051	1,971	1,942	1,139	1,914	12,192**

Includes 141 members who did not have service reported.

** Includes 8,241 members who did not have FAS reported.

2008			Years	Credite	d Service)		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$314	\$368	\$538	\$785	\$1,070	\$1,428	\$2,096	\$948
Average annual benefit	\$3,766	\$4,411	\$6,454	\$9,418	\$12,846	\$17,141	\$25,150	\$11,380
Average final average salary	\$30,781	\$36,237	\$35,989	\$39,536	\$42,625	\$47,998	\$57,600	\$42,962
Number of retired members	838*	1,268	2,940	1,896	1,786	1,058	1,794	11,580**

* Includes 121 members who did not have service reported. ** Includes 8,377 members who did not have FAS reported.

2007			Years	Credite	d Service	9		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$312	\$338	\$515	\$751	\$1,031	\$1,380	\$1,990	\$906
Average annual benefit	\$3,740	\$4,057	\$6,180	\$9,011	\$12,371	\$16,564	\$23,878	\$10,874
Average final average salary	\$30,208	\$35,154	\$35,536	\$38,286	\$41,757	\$46,491	\$54,769	\$41,602
Number of retired members	685*	1,240	2,745	1,885	1,666	966	1,672	10,859**

* Includes 81 members who did not have service reported. ** Includes 8,518 members who did not have FAS reported.

SCHEDULE OF AVERAGE BENEFIT PAYMENT AMOUNTS PENSION PLAN — TEACHERS

2016			Years	Credite	d Service	Э		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$499	\$586	\$755	\$1,193	\$1,626	\$2,097	\$2,905	\$1,928
Average annual benefit	\$5,986	\$7,029	\$9,065	\$14,316	\$19,508	\$25,166	\$34,860	\$23,134
Average final average salary	\$51,934	\$56,982	\$49,999	\$59,017	\$62,964	\$67,641	\$72,517	\$64,533
Number of retired members	278*	333	1,422	1,375	2,161	1,897	\$3,944	\$11,410**

* Includes 125 members who did not have service reported.

** Includes 4,080 members who did not have FAS reported.

2015			Years	Credite	d Service	Э		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$485	\$570	\$743	\$1,172	\$1,603	\$2,072	\$2,883	\$1,913
Average annual benefit	\$5,825	\$6,840	\$8,919	\$14,059	\$19,239	\$24,868	\$34,595	\$22,961
Average final average salary	\$52,242	\$56,107	\$49,238	\$58,293	\$62,540	\$67,126	\$71,943	\$64,076
Number of retired members	259*	307	1,346	1,280	2,079	1,808	3,780	10,859**

* Includes 108 members who did not have service reported.

** Includes 4,203 members who did not have FAS reported.

2014			Years	Credite	d Service	Э		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$457	\$531	\$702	\$1,081	\$1,459	\$1,872	\$2,702	\$1,783
Average annual benefit	\$5,480	\$6,367	\$8,419	\$12,976	\$17,506	\$22,467	\$32,419	\$21,401
Average final average salary	\$51,979	\$56,039	\$48,107	\$57,182	\$61,625	\$66,117	\$71,311	\$63,299
Number of retired members	239*	289	1,342	1,241	2,126	1,889	3,839	10,965**

* Includes 100 members who did not have service reported.

** Includes 4,974 members who did not have FAS reported.

2013			Years	Credite	d Service)		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$433	\$526	\$691	\$1,051	\$1,454	\$1,862	\$2,686	\$1,780
Average annual benefit	\$5,200	\$6,315	\$8,295	\$12,615	\$17,451	\$22,347	\$32,229	\$21,355
Average final average salary	\$51,604	\$55,373	\$47,276	\$55,688	\$60,708	\$64,999	\$70,712	\$62,669
Number of retired members	214*	255	1,260	1,155	2,045	1,795	3,683	10,407 **

* Includes 86 members who did not have service reported.

** Includes 5,020 members who did not have FAS reported.

2012			Years	Credite	d Service)		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
verage monthly benefit	\$434	\$491	\$684	\$1,039	\$1,447	\$1,856	\$2,673	\$1,777
verage annual benefit	\$5,203	\$5,892	\$8,214	\$12,473	\$17,363	\$22,272	\$32,080	\$21,320
Average final average salary	\$51,428	\$53,206	\$46,917	\$54,779	\$59,762	\$64,214	\$70,113	\$62,128
lumber of retired members	207*	236	1,190	1,100	1,951	1,703	3,569	9,956**

* Includes 88 members who did not have service reported.

** Includes 5,098 members who did not have FAS reported.

2011			Years	Credite	d Service	Э		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$432	\$484	\$670	\$1,023	\$1,439	\$1,848	\$2,664	\$1,777
Average annual benefit	\$5,185	\$5,804	\$8,044	\$12,271	\$17,272	\$22,178	\$31,972	\$21,321
Average final average salary	\$50,528	\$53,243	\$45,371	\$53,207	\$58,790	\$63,226	\$69,426	\$61,398
Number of retired members	188*	214	1,111	1,021	1,859	1,608	3,426	9,427 **

* Includes 79 members who did not have service reported.

** Includes 5,148 members who did not have FAS reported.

NOTE: Due to system changes, average final average salary data is only available for fiscal years 2007–2014. The available data is limited and represents average final average salary for those members who have retired since fiscal year 2004. Additional years data will be added prospectively.

2010			Years	Credite	d Service	9		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$417	\$478	\$664	\$1,005	\$1,435	\$1,847	\$2,656	\$1,781
Average annual benefit	\$5,001	\$5,733	\$7,970	\$12,064	\$17,224	\$22,162	\$31,869	\$21,375
Average final average salary	\$50,790	\$52,875	\$44,197	\$51,833	\$57,897	\$62,372	\$68,973	\$60,970
Number of retired members	171*	203	1,040	965	1,793	1,570	3,345	9,087**

* Includes 72 members who did not have service reported. ** Includes 5,182 members who did not have FAS reported.

2009			Years	Credite	d Service)		
Service	0–4 yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$422	\$477	\$653	\$984	\$1,409	\$1,817	\$2,591	\$1,736
Average annual benefit	\$5,069	\$5,729	\$7,838	\$11,805	\$16,910	\$21,804	\$31,096	\$20,830
Average final average salary	\$49,132	\$52,820	\$43,328	\$50,592	\$57,660	\$61,404	\$67,107	\$59,692
Number of retired members	155*	179	986	931	1,702	1,477	3,077	8,507**

* Includes 69 members who did not have service reported. ** Includes 5,217 members who did not have FAS reported.

2008			Years	Credite	d Service	9		
Service	0–4 yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$418	\$457	\$636	\$966	\$1,381	\$1,789	\$2,528	\$1,674
Average annual benefit	\$5,015	\$5,478	\$7,633	\$11,590	\$16,568	\$21,470	\$30,334	\$20,087
Average final average salary	\$48,040	\$53,161	\$42,990	\$50,213	\$56,717	\$60,162	\$65,739	\$58,253
Number of retired members	137*	171	929	886	1,531	1,347	2,653	7,654**

* Includes 59 members who did not have service reported. ** Includes 5,208 members who did not have FAS reported.

2007			Years	Credite	d Service)		
Service	0–4 yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$392	\$417	\$614	\$931	\$1,348	\$1,761	\$2,446	\$1,615
Average annual benefit	\$4,708	\$5,003	\$7,363	\$11,171	\$16,172	\$21,137	\$29,353	\$19,376
Average final average salary	\$48,572	\$51,663	\$41,693	\$49,356	\$56,367	\$58,937	\$63,650	\$56,556
Number of retired members	103*	163	842	855	1,390	1,245	2,330	6,928**

* Includes 37 members who did not have service reported. ** Includes 5,209 members who did not have FAS reported

SCHEDULE OF AVERAGE BENEFIT PAYMENT AMOUNTS PENSION PLAN — POLICE OFFICERS

2016			Years	Credite	d Service	Э		2016 Years Credited Service										
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total										
Average monthly benefit	\$966	\$1,424	\$6,619	\$2,253	\$3,089	\$4,554	\$6,144	\$2,978										
Average annual benefit	\$11,828	\$17,092	\$19,428	\$27,032	\$37,065	\$54,651	\$73,724	\$35,737										
Average final average salary	\$52,067	\$56,071	\$54,163	\$65,196	\$80,290	\$95,097	\$107,758	\$78,292										
Number of retired members	384*	188	418	326	1,458	633	232	3,629**										

* Includes 245 members who did not have service reported.

** Includes 1,771 members who did not have FAS reported.

2015			Years	Credite	d Service)		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$929	\$1,380	\$1,607	\$2,256	\$3,032	\$4,501	\$5,999	\$2,917
Average annual benefit	\$11,149	\$16,561	\$19,287	\$27,067	\$36,380	\$54,010	\$71,987	\$35,002
Average final average salary	\$53,397	\$57,211	\$53,878	\$64,646	\$78,872	\$94,266	\$107,053	\$77,621
Number of retired members	362*	188	396	314	1,395	599	203	3,457 **

* Includes 222 members who did not have service reported.

** Includes 1,785 members who did not have FAS reported.

2014			Years	Credite	d Service	Э		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$1,003	\$1,380	\$1,519	\$2,111	\$2,964	\$4,362	\$5,623	\$2,929
Average annual benefit	\$12,039	\$16,555	\$18,226	\$25,335	\$35,571	\$52,347	\$67,472	\$35,154
Average final average salary	\$42,303	\$51,636	\$49,456	\$60,358	\$76,729	\$90,857	\$99,377	\$77,381
Number of retired members	286*	160	355	270	1,383	601	227	3,282**

* Includes 190 members who did not have service reported.

** Includes 1,816 members who did not have FAS reported.

2013			Years	Credite	d Service)		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$989	\$1,402	\$1,525	\$2,096	\$2,937	\$4,304	\$5,557	\$2,905
Average annual benefit	\$11,867	\$16,827	\$18,305	\$25,149	\$35,240	\$51,642	\$66,680	\$34,859
Average final average salary	\$43,717	\$51,752	\$49,166	\$60,656	\$76,404	\$90,096	\$98,639	\$77,294
Number of retired members	273*	159	336	271	1,319	584	221	3,163**

* Includes 177 members who did not have service reported.

** Includes 1,825 members who did not have FAS reported.

2012	2012 Years Credited Service										
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total			
Average monthly benefit	\$986	\$1,414	\$1,520	\$2,101	\$2,936	\$4,235	\$5,469	\$2,894			
Average annual benefit	\$11,835	\$16,968	\$18,238	\$25,218	\$35,230	\$50,824	\$65,631	\$34,731			
Average final average salary	\$43,717	\$51,792	\$48,430	\$59,074	\$75,343	\$89,117	\$98,085	\$76,294			
Number of retired members	238*	151	325	255	1,255	547	210	2,981 **			

* Includes 145 members who did not have service reported.

** Includes 1,766 members who did not have FAS reported.

2011			Years	Credite	d Service	Э		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$957	\$1,386	\$1,482	\$2,072	\$2,893	\$4,082	\$5,432	\$2,823
Average annual benefit	\$11,485	\$16,635	\$17,788	\$24,867	\$34,719	\$48,981	\$65,188	\$33,876
Average final average salary	\$47,377	\$52,498	\$46,123	\$58,423	\$74,403	\$87,050	\$97,076	\$75,213
Number of retired members	230*	149	314	251	1,218	523	195	2,880**

*Includes 140 members who did not have service reported.

**Includes 1,794 members who did not have FAS reported.

NOTE: Due to system changes, average final average salary data is only available for fiscal years 2007–2014. The available data is limited and represents average final average salary for those members who have retired since fiscal year 2004. Additional years data will be added prospectively.

2010			Years	Credite	d Service)		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$942	\$1,352	\$1,483	\$2,034	\$2,845	\$3,940	\$5,114	\$2,724
Average annual benefit	\$11,310	\$16,222	\$17,792	\$24,413	\$34,137	\$47,277	\$61,371	\$32,689
Average final average salary	\$44,656	\$50,016	\$45,342	\$57,278	\$70,960	\$85,452	\$93,848	\$72,439
Number of retired members	218*	145	305	241	1,140	482	171	2,702**

* Includes 129 members who did not have service reported. ** Includes 1,814 members who did not have FAS reported.

2009			Years	Credite	d Service	9		
Service	0–4 yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$931	\$1,337	\$1,453	\$2,026	\$2,816	\$3,768	\$5,068	\$2,665
Average annual benefit	\$11,166	\$16,048	\$17,438	\$24,309	\$33,797	\$45,213	\$60,811	\$31,980
Average final average salary	\$42,229	\$50,574	\$44,919	\$56,748	\$70,720	\$82,705	\$91,617	\$71,464
Number of retired members	200*	139	293	232	1,093	455	153	2,565**

Includes 115 members who did not have service reported.

** Includes 1,808 members who did not have FAS reported.

2008			Years	Credite	d Service	9		
Service	0–4 yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$904	\$1,319	\$1,447	\$2,012	\$2,757	\$3,631	\$4,802	\$2,580
Average annual benefit	\$10,847	\$15,829	\$17,362	\$24,149	\$33,081	\$43,574	\$57,628	\$30,961
Average final average salary	\$42,170	\$50,113	\$45,063	\$57,239	\$69,092	\$80,884	\$87,128	\$69,835
Number of retired members	191*	137	281	221	1,044	424	138	2,436**

* Includes 106 members who did not have service reported.

** Includes 1,806 members who did not have FAS reported.

2007			Years	Credite	d Service	Э		
Service	0–4 yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$857	\$1,229	\$1,441	\$1,924	\$2,659	\$3,417	\$4,396	\$2,482
Average annual benefit	\$10,287	\$14,754	\$17,293	\$23,083	\$31,912	\$41,008	\$52,757	\$29,783
Average final average salary	\$42,069	\$44,602	\$45,745	\$54,398	\$68,606	\$78,547	\$82,489	\$68,235
Number of retired members	162*	130	264	225	959	411	142	2,293**

* Includes 74 members who did not have service reported.

** Includes 1,810 members who did not have FAS reported.

SCHEDULE OF AVERAGE BENEFIT PAYMENT AMOUNTS PENSION PLAN — FIREFIGHTERS

2016			Years	Credite	d Service	Э		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$1,147	\$1,353	\$1,789	\$2,185	\$2,765	\$4,138	\$5,965	\$3,213
Average annual benefit	\$13,768	\$16,230	\$21,466	\$26,218	\$33,174	\$49,655	\$71,577	\$38,553
Average final average salary	\$55,226	\$57,997	\$60,126	\$70,005	\$78,510	\$91,235	\$100,861	\$84,646
Number of retired members	143*	30	96	125	617	391	193	1,595 **

* Includes 124 members who did not have service reported.

** Includes 935 members who did not have FAS reported.

2015			Years	Credite	d Service	Э		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$1,132	\$1,417	\$1,750	\$2,114	\$2,735	\$4,101	\$5,681	\$3,130
Average annual benefit	\$13,579	\$17,007	\$20,997	\$25,371	\$32,821	\$49,215	\$68,168	\$37,557
Average final average salary	\$55,075	\$59,425	\$61,768	\$68,985	\$77,441	\$90,785	\$96,758	\$83,520
Number of retired members	139*	30	91	119	611	389	172	1,551 **

* Includes 120 members who did not have service reported.

** Includes 949 members who did not have FAS reported.

2014			Years	Credite	d Service	Э		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$1,068	\$1,450	\$1,724	\$2,004	\$2,687	\$3,997	\$5,494	\$3,047
Average annual benefit	\$12,812	\$17,405	\$20,686	\$24,051	\$32,249	\$47,960	\$65,932	\$35,562
Average final average salary	\$45,602	\$64,928	\$56,150	\$65,849	\$75,732	\$89,221	\$93,573	\$81,886
Number of retired members	128*	29	87	119	589	383	158	1,493**

* Includes 106 members who did not have service reported.

** Includes 958 members who did not have FAS reported.

2013			Years	Credite	d Service	Э		
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$1,050	\$1,513	\$1,720	\$2,007	\$2,685	\$4,053	\$5,336	\$3,050
Average annual benefit	\$12,597	\$18,154	\$20,640	\$24,080	\$32,216	\$48,683	\$64,036	\$36,595
Average final average salary	\$49,479	\$64,928	\$55,062	\$62,052	\$75,328	\$90,016	\$93,076	\$81,986
Number of retired members	120*	30	82	116	577	364	158	1,447 **

* Includes 99 members who did not have service reported.

** Includes 956 members who did not have FAS reported.

2012	2012 Years Credited Service										
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total			
Average monthly benefit	\$1,062	\$1,523	\$1,701	\$2,072	\$2,672	\$3,956	\$5,192	\$3,038			
Average annual benefit	\$12,740	\$18,280	\$20,416	\$24,865	\$32,067	\$47,475	\$62,306	\$36,461			
Average final average salary	\$50,146	\$51,114	\$53,705	\$64,002	\$74,611	\$88,513	\$92,039	\$80,981			
Number of retired members	96*	29	78	110	564	343	156	1,376**			

* Includes 77 members who did not have service reported.

** Includes 931 members who did not have FAS reported.

2011	2011 Years Credited Service										
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total			
Average monthly benefit	\$1,063	\$1,519	\$1,600	\$2,062	\$2,656	\$3,846	\$4,971	\$2,967			
Average annual benefit	\$12,751	\$18,225	\$19,194	\$24,749	\$31,877	\$46,151	\$59,651	\$35,599			
Average final average salary	\$50,146	\$51,114	\$49,051	\$64,919	\$73,582	\$86,853	\$90,415	\$79,520			
Number of retired members	90*	30	73	111	555	328	149	1,336**			

**Includes 71 members who did not have service reported.

**Includes 942 members who did not have FAS reported.

NOTE: Due to system changes, average final average salary data is only available for fiscal years 2007–2014. The available data is limited and represents average final average salary for those members who have retired since fiscal year 2004. Additional years data will be added prospectively.

2010 Years Credited Service									
Service	0–4. yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total	
Average monthly benefit	\$1,020	\$1,487	\$1,607	\$2,041	\$2,592	\$3,770	\$4,749	\$2,871	
Average annual benefit	\$12,244	\$17,846	\$19,283	\$24,493	\$31,109	\$45,240	\$56,983	\$34,454	
Average final average salary	\$55,668	\$47,729	\$50,024	\$62,405	\$71,694	\$86,042	\$89,392	\$78,232	
Number of retired members	80*	28	73	109	530	304	130	1,254 **	

* Includes 62 members who did not have service reported. ** Includes 946 members who did not have FAS reported.

2009	2009 Years Credited Service										
Service	0–4 yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total			
Average monthly benefit	\$967	\$1,439	\$1,585	\$1,998	\$2,537	\$3,707	\$4,592	\$2,794			
Average annual benefit	\$11,607	\$17,274	\$19,025	\$23,973	\$30,440	\$44,489	\$55,102	\$33,533			
Average final average salary	\$55,668	\$46,372	\$48,616	\$63,891	\$70,685	\$83,078	\$88,852	\$76,730			
Number of retired members	78*	28	72	107	534	295	123	1,237			

** Includes 60 members who did not have service reported. ** Includes 963 members who did not have FAS reported.

2008	2008 Years Credited Service									
Service	0–4 yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total		
Average monthly benefit	\$958	\$1,438	\$1,545	\$1,958	\$2,488	\$3,661	\$4,526	\$2,743		
Average annual benefit	\$11,495	\$17,254	\$18,541	\$23,499	\$29,857	\$43,934	\$54,311	\$32,914		
Average final average salary	\$55,668	\$42,455	\$46,301	\$64,705	\$69,420	\$83,187	\$87,553	\$76,307		
Number of retired members	74*	27	70	105	523	287	114	1,200**		

* Includes 56 members who did not have service reported. ** Includes 966 members who did not have FAS reported.

2007			Years	Credite	d Service	9		
Service	0–4 yrs.	5–9 yrs.	10–14 yrs.	15–19 yrs.	20–24 yrs.	25–29 yrs.	30 or more yrs.	Total
Average monthly benefit	\$924	\$1,286	\$1,534	\$1,933	\$2,396	\$3,495	\$4,229	\$2,651
Average annual benefit	\$11,091	\$15,431	\$18,407	\$23,199	\$28,751	\$41,935	\$50,743	\$31,807
Average final average salary	\$57,429	\$0	\$45,518	\$64,027	\$69,135	\$82,005	\$86,698	\$75,540
Number of retired members	67*	22	73	108	488	297	113	1,168**

* Includes 47 members who did not have service reported. ** Includes 978 members who did not have FAS reported.

SCHEDULES OF AVERAGE BENEFIT PAYMENT AMOUNTS – OPEB PLANS* GROUP II – POLICE OFFICERS AND FIREFIGHTERS

	2016 Service	0-4 yrs.**	5–9 yrs
Average Monthly Benefit	0011100	\$391	\$403
Annual Benefits		\$290,760	\$376,974
Number of retired members		62	78
*Includes 19 members who did not have service reported.			
	2015		
	Service	0–4 yrs.**	5–9 yrs
Average Monthly Benefit		\$392	\$405
Annual Benefits		\$291,312	\$407,761
Number of retired members		62	84
*Includes 19 members who did not have service reported.	0011		
	2014 Service	0-4 yrs.**	5–9 yrs
Average Monthly Benefit		\$431	\$425
Annual Benefits		\$300,025	\$412,628
Number of retired members		58	81
*Includes 16 members who did not have service reported.			
	2013 Service	0.4	F. 0.100
	Service	0-4 yrs.**	5–9 yrs
Average Monthly Benefit Annual Benefits		\$465	\$469
Number of retired members		\$407,321 73	\$512,068 91
**Includes 16 members who did not have service reported.		13	91
	2012		
	Service	0–4 yrs.**	5–9 yrs
Average Monthly Benefit		\$419	\$460
Annual Benefits		\$322,069	\$496,368
Number of retired members		64	90
**Includes 19 members who did not have service reported.			
	2011 Service	0–4 yrs.**	5–9 yrs
Average Monthly Panofit	0011100	\$433	
Average Monthly Benefit Annual Benefits		\$327,489	\$459 \$512,666
Number of retired members		63	93
**Includes 17 members who did not have service reported.			
	2010		
	Service	0-4 yrs.**	5–9 yrs
Average Monthly Benefit		\$447	\$472
Annual Benefits		\$343,140	\$509,409
Number of retired members		64	90
**Includes 17 members who did not have service reported.	0000		
	2009 Service	0-4 yrs.**	5–9 yrs
Average Monthly Benefit		\$442	\$481
Annual Benefits		\$333,960	\$525,662
Number of retired members		63	91
**Includes 16 members who did not have service reported.			
	2008		5.0
	Service	0-4 yrs.**	5–9 yrs
Average Monthly Benefit		\$438	\$480
Annual Benefits		\$331,421	\$512,554
Number of retired members		63	89
**Includes 17 members who did not have service reported.			
	2007 Service	0-4 yrs.**	5–9 yrs
Average Monthly Benefit	\$421 \$436	\$482	\$460
Annual Benefits		\$257,860	\$402,482
		51	77
Total Retirees		51	

Total	30 or more yrs.	2016 25–29 yrs.	20-24 yrs.	15–19 yrs.	10–14 yrs.
\$497	\$530 st more yrs.	25-29 yrs. \$541	20-24 yrs. \$496	\$422	\$437
\$16,623,311	\$2,078,088	\$4,372,155	\$7,649,272	\$927,219	\$928,843
2,785	327	673	1,285	183	177
Tota	30 or more yrs.	2015 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$501	\$519	\$542	\$504	\$425	\$457
\$16,334,231	\$1,793,931	\$4,303,589	\$7,674,258	\$892,798	\$970,582
2,718	288	662	1,270	175	177
		2014			
Tota	30 or more yrs.	25–29 yrs.	20-24 yrs.	15–19 yrs.	10–14 yrs.
\$508	\$527	\$547	\$510	\$429	\$465
\$16,068,116	\$1,750,238	\$4,215,463	\$7,532,342	\$880,113	\$977,307
2,635	277	642	1,231	171	175
T-+-	30 or more urc	2013 25-29 vrs	20.04	15 10 100	10-14.000
Total \$516	30 or more yrs. \$532	25–29 yrs.	20–24 yrs. \$518	15–19 yrs. \$436	10–14 yrs. \$468
\$516 \$15,997,700	\$532 \$1,755,277	\$553 \$4,099,008	\$518 \$7,365,223	\$436 \$893,878	\$468 \$964,925
2,586	275	618	1,186	171	172
_,	,		,		—
Tota	30 or more yrs.	2012 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$523	\$536	\$558	\$533	\$449	\$468
\$16,114,277	\$1,698,972	\$4,041,300	\$7,617,692	\$948,587	\$989,289
2,566	264	604	1,192	176	176
		2011			
Total	30 or more yrs.	25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$531 \$16,299,110	\$546 \$1,638,323	\$557 \$3,972,987	\$545 \$7,868,124	\$455 \$988,209	\$475 \$991,312
2,557	250	\$3,972,907 594	1,202	181	174
_,			.,		
Tota	30 or more yrs.	2010 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$533	\$540	\$557	\$548	\$460	\$481
\$15,913,804	\$1,516,304	\$3,823,520	\$7,695,267	\$987,831	,038,333
2,489	234	572	1,170	179	180
		2009			
Tota	30 or more yrs.	25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$533	\$532	\$556	\$548	\$469	\$485
\$15,729,927	\$1,367,171 214	\$3,773,959 566	\$7,655,729	\$1,013,207 180	,060,239
2,461	214	566	1,165	180	182
Total	30 or more yrs.	2008 25–29 vrs	20-21 vre	15–19 yrs.	10-14 vre
\$535	\$527	25–29 yrs. \$559	20–24 yrs. \$551	\$471	10–14 yrs. \$493
\$535 \$15,405,460	₄₅₂₇ \$1,283,509	\$559 \$3,682,116	۶۵۵۱ \$7,565,509	\$471 \$982,995	,047,356
2,400	203	549	1,145	174	177
Tota	30 or more yrs.	2007 25–29 yrs.	20–24 yrs.	15–19 yrs.	10-14 yrs.
		\$502	\$479	\$522	\$492
\$13,970,631	\$1,185,193	\$3,437,413	\$6,675,988	\$998,782	,012,913
2,319	206	549	1,080	181	175

SCHEDULES OF AVERAGE BENEFIT PAYMENT AMOUNTS - OPEB PLANS $\!\!\!\!\!\!\!\!\!\!$

GROUP I – TEACHERS			
	2016 Service	0–4 yrs.**	5–9 yrs
Average Monthly Benefit	Oervice	\$254	\$237
Annual Benefits		\$54,925	\$11.368
Number of retired members		φ34,923 18	φ11,300 4
**Includes 13 members who did not have service reported.		10	-
includes 15 members who did not have service reported.			
	2015 Service	0–4 yrs.**	5–9 yrs
Average Monthly Benefit		\$255	\$237
Annual Benefits		\$61,247	\$11,368
Number of retired members		20	4
**Includes 13 members who did not have service reported.			
· · · · · · · · · · · · · · · · · · ·	2014		
	Service	0–4 yrs.**	5–9 yrs.
Average Monthly Benefit		\$298	\$283
Annual Benefits		\$42,954	\$10,191
Number of retired members		12	3
**Includes 10 members who did not have service reported.			
	2013		
	Service	0–4 yrs.**	5–9 yrs.
Average Monthly Benefit		\$285	\$329
Annual Benefits		\$47,941	\$11,856
Number of retired members		14	3
**Includes 11 members who did not have service reported.			
	2012 Service	0–4 yrs.**	5–9 yrs
Average Monthly Ponofit	Service	\$286	\$306
Average Monthly Benefit Annual Benefits		¢∠00 \$37,741	\$306 \$7,349
Number of retired members		φ37,741 11	¢7,348 2
**Includes 8 members who did not have service reported.			2
includes o members who did not have service reported.			
	2011 Service	0–4 yrs.**	5–9 yrs
Average Monthly Benefit		\$321	\$376
Annual Benefits		\$38,535	\$4,507
Number of retired members		10	1
**Includes 7 members who did not have service reported.			
	2010		
	Service	0–4 yrs.**	5–9 yrs.
Average Monthly Benefit		\$332	\$376
Annual Benefits		\$27,890	\$4,507
Number of retired members		7	1
**Includes 7 members who did not have service reported.			
	2009		
	Service	0–4 yrs.**	5–9 yrs.
Average Monthly Benefit		\$330	\$376
Annual Benefits		\$27,729	\$4,507
Number of retired members		7	1
**Includes 7 members who did not have service reported.			
	2008 Service	0–4 yrs.**	5–9 yrs
As some some Manustle by David a fitte			
Average Monthly Benefit		\$336	\$376
Annual Benefits Number of retired members		\$28,218	\$4,507
		7	1
**Includes 7 members who did not have service reported.			
	2007 Service	0–4 yrs.**	5–9 yrs
Assessed Marsheld Data (1)			
Average Monthly Benefit		\$300	\$348
Annual Benefits		\$28,759	\$4,173
Total Retirees		8	1
**Includes 8 members who did not have service reported.			

-		2016	22.24	15 10	10.11
Total	30 or more yrs.	25–29 yrs.	20-24 yrs.	15–19 yrs.	10–14 yrs.
\$408	\$436	\$379	\$371	\$0	\$331
\$21,253,515	\$12,467,121	\$4,213,344	\$4,391,882	\$0	\$15,875
4,141	2,381	947	987	0	4
Total	30 or more yrs.	2015 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$417	\$448	\$386	\$376	\$474	\$390
\$22,062,945	\$12,940,878	\$4,461,226	\$4,563,825	\$5,684	618,717
4,411	2,408	963	1,011	ψ0,004 1	4
7,711	2,400	500	1,011	I	7
Total	30 or more yrs.	2014 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$436	\$470	\$401	\$391	\$474	\$566
\$22,884,329	\$13,586,048	\$4,566,115	\$4,652,955	\$5,684	\$20,382
4,371	2,411	949	992	<u> </u>	´3
Total	30 or more yrs.	2013 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$451	\$489	\$410	\$402	\$355	\$462
\$23.750.743	\$14,142,923	\$4,703,090	\$4,808,676	\$8,526	\$27,731
4,390	2,411	957 ^{(4,703,090}	998 ^{(4,000,070}	ψ0,520 2	5
7,000	۲, ۳۱۱	001	555	<i>L</i>	0
Total	30 or more yrs.	2012 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$466	\$505	\$421	\$415	\$474	\$484
\$24,823,506	\$14,831,920	\$4,888,880	\$5,028,708	\$5,684	\$23,224
4,441	2,446	968	1,009	1	4
.,	_,		.,		-
Total	30 or more yrs.	2011 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$484	\$525	\$439	\$429	\$474	\$484
\$25,857,310	\$15,538,525	\$5,032,007	\$5,214,828	\$5,684	\$23,224
4,453	2,467	956	1,014	1	4
,	, -		, -		
Total	30 or more yrs.	2010 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$492	\$532	\$449	\$438	\$474	\$566
\$26,404,079	\$15,865,603	\$5,139,796	\$5,334,533	\$11,368	\$20,382
4,470	2,487	954	1,016	2	3
		2009			
Total	30 or more yrs.	25–29 yrs.	20–24 yrs.	15–19 yrs.	10-14 yrs.
\$488	\$526	\$448	\$436	\$474	\$566
\$24,463,744	\$14,497,402	\$4,890,068	\$5,012,288	\$11,368	\$20,382
4,179	2,298	909	959	2	3
	00	2008	00.04	45.40	10.14
Total	30 or more yrs.	25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$474	\$513	\$438	\$420	\$474	\$484
\$21,008,154	\$12,376,720	\$4,272,401	\$4,291,716	\$11,368	\$23,224
3,690	2,012	813	851	2	4
Total	30 or more yrs.	2007 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
		.			
\$435	\$467	\$408	\$383	\$439	\$402
\$17,275,791 3,311	\$10,115,236 1,804	\$3,611,050 737	\$3,481,912 754	\$10,526 2	524,135 5

SCHEDULES OF AVERAGE BENEFIT PAYMENT AMOUNTS – OPEB PLANS* GROUP I – POLITICAL SUBDIVISION EMPLOYEES

	2016 Service	0-4 yrs.**	5–9 yrs
Average Monthly Benefit	Service	\$254	\$220
Average Monthly Benefit		\$48,768	\$26,377
Number of retired members		^{440,700} 16	φ20,377 1(
**Includes 6 members who did not have service reported.		10	i c
includes o members who did not have service reported.			
	2015 Service	0-4 yrs.**	5–9 yrs
Average Monthly Benefit		\$272	\$220
Annual Benefits		\$52,132	\$26,435
Number of retired members		16	10
**Includes 6 members who did not have service reported.			
	2014		
	Service	0-4 yrs.**	5–9 yrs
Average Monthly Benefit		\$310	\$341
Annual Benefits		\$52,132	\$28,644
Number of retired members		14	7
**Includes 6 members who did not have service reported.			
	2013 Service	0–4 yrs.**	5–9 yrs
Average Monthly Benefit		\$299	\$342
Annual Benefits		\$57,378	\$41,047
Number of retired members		φ37,370 16	10
**Includes 6 members who did not have service reported.		10	10
	0010		
	2012 Service	0–4 yrs.**	5–9 yrs.
Average Monthly Benefit		\$322	\$341
Annual Benefits		\$65,652	\$32,763
Number of retired members		17	8
**Includes 7 members who did not have service reported.			
	2011		
	Service	0-4 yrs.**	5–9 yrs
Average Monthly Benefit		\$330	\$348
Annual Benefits		\$67,317	\$41,814
Number of retired members		17	10
**Includes 8 members who did not have service reported.			
	2010 Service	0 1 1/1/20 **	5.0.100
Average Monthly Benefit	Service	0–4 yrs.** \$367	5–9 yrs \$338
Annual Benefits		\$65,985	\$44,665
Number of retired members		φ00,000 15	φ - ,003 11
**Includes 8 members who did not have service reported.		10	
	2009		
	Service	0-4 yrs.**	5–9 yrs
Average Monthly Benefit		\$364	\$350
Annual Benefits		\$65,541	\$46,198
Number of retired members		15	11
**Includes 7 members who did not have service reported.			
	2008		
A course of Manufella Dava Ch	Service	0-4 yrs.**	5–9 yrs.
Average Monthly Benefit		\$327	\$373
Annual Benefits		\$62,810	\$49,275
Number of retired members		16	11
**Includes 9 members who did not have service reported.			
	2007 Service	0–4 yrs.**	5–9 yrs
Average Monthly Benefit		\$312	\$327
Annual Benefits		\$48,722	\$39,286
Total Retirees		13	10

			2016	22.24	15.10	
	Total	30 or more yrs.	25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
	\$366	\$418 \$1 500 475	\$356	\$352	\$260	\$232
	\$5,436,808	\$1,590,475	\$1,225,483 287	\$2,493,561	\$18,717 6	\$33,427
)	1,238	317	207	590	0	12
ıl	Total	30 or more yrs.	2015 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
	\$370	\$426	\$359	\$354	\$260	\$259
	\$5,649,716	\$1,667.570	\$1,262,906	\$2,581,495	\$18,717	\$40.461
	1,272	326	293	φ <u>2</u> ,001,400 608	6	13
-	1,272	020	200	000	0	10
ıl	Total	30 or more yrs.	2014 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
6	\$396	\$440	\$375	\$383	\$390	\$362
	\$6,236,201	\$1,896,501	\$1,383,078	\$2,813,725	\$18,717	\$43,404
	1,313	359	307	612	4	10
-	.,					
ıl	Total	30 or more yrs.	2013 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
	\$409	\$455	\$389	\$395	\$390	\$419
3	\$6,590,008	\$2,000,382	\$1,446,483	\$2,965,642	\$18,717	\$60,359
	1,344	366	310	626	4	12
			2012 25–29 yrs.			10.11
	Total	30 or more yrs.		20–24 yrs.	15–19 yrs.	10–14 yrs.
	\$419	\$469	\$398	\$403	\$359	\$382
	\$7,048,009	\$2,196,314	\$1,534,994	\$3,137,104	\$21,559	\$59,623
5	1,403	390	321	649	5	13
ıl	Total	30 or more yrs.	2011 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
	\$435	\$493	\$416	\$415	\$390	\$404
	\$7,413,200	\$2,314,398	\$1,655,639	\$3,257,086	\$18,717	\$58,229
	1,420	391	332	654	4	12
,	1,420	001	002	004	-	12
ıl	Total	30 or more yrs.	2010 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
3	\$446	\$502	\$424	\$428	\$373	\$424
	\$7,690,535	\$2,404,823	\$1,689,244	\$3,406,946	\$17,881	\$60,991
	1,436	399	332	663	4	12
			2009			
	Total	30 or more yrs.	25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
	\$444	\$505	\$417	\$428	\$390	\$447
	\$6,929,925	\$2,029,561	\$1,515,015	\$3,179,812	\$18,717	\$75,081
	1,301	335	303	619	4	14
	T_+-1	20 or more time	2008 25 - 20 vm	00.04	15 10	10 14 10-
	Total	30 or more yrs.	25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
	\$443	\$512	\$416	\$423 \$2 780 672	\$390	\$472 \$72.661
	\$6,208,125	\$1,879,964	\$1,334,025	\$2,789,673	\$18,717	\$73,661
,	1,167	306	267	550	4	13
ıl	Total	30 or more yrs.	2007 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
	\$408	\$459	\$375	\$396	\$358	\$462
	\$4,887,273	\$1,492,664	\$1,094,540	\$2,107,362	\$21,504	\$402 \$83,195
ς	ΨΤ,001,210			442	φz 1,504 5	15
	999	271	243			

SCHEDULES OF AVERAGE BENEFIT PAYMENT AMOUNTS - OPEB PLANS*

	2016 Service	0 1 1/20 **	F 0.1/20
Average Monthly Benefit	Service	0–4 yrs.** \$394	5–9 yrs \$416
Average Monthly Denent		\$382,544	\$334,814
Number of retired members	,	¢302,344 81	67
**Includes 5 members who did not have service reported.		01	07
	2015		
	2015 Service	0-4 yrs.**	5–9 yrs
Average Monthly Benefit		\$408	\$410
Annual Benefits	:	\$401,058	\$344,263
Number of retired members		82	70
**Includes 5 members who did not have service reported.			
	2014 Service	0–4 yrs.**	5–9 yrs
Average Monthly Benefit	Gervice	\$439	\$439
Annual Benefits		\$416,243	\$353,356
Number of retired members		79	67
**Includes 3 members who did not have service reported.			01
·	2013		
	Service	0–4 yrs.**	5–9 yrs
Average Monthly Benefit		\$458	\$440
Annual Benefits		\$428,585	\$369,538
Number of retired members		78	70
**Includes 4 members who did not have service reported.			
	2012 Service	0–4 yrs.**	5–9 yrs
Average Monthly Benefit	0011100	\$401	\$444
Annual Benefits		\$649,228	\$367,976
Number of retired members		135	69
**Includes 60 members who did not have service reported.			
·	2011		
	Service	0-4 yrs.**	5–9 yrs
Average Monthly Benefit		\$408	\$455
Annual Benefits Number of retired members		724,932\$ 148	\$382,467 70
		140	70
**Includes 76 members who did not have service reported.	0010	140	
	2010 Service	0–4 yrs.**	5–9 yrs
**Includes 76 members who did not have service reported.			
	Service	0–4 yrs.**	5–9 yrs
Includes 76 members who did not have service reported. Average Monthly Benefit	Service	0–4 yrs. \$411	5–9 yrs \$483
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits	Service	0-4 yrs. \$411 \$789,405	^{5–9} yrs \$483 \$405,955
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members	Service	0-4 yrs. \$411 \$789,405 160	^{5–9} yrs \$483 \$405,955 70
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 76 members who did not have service reported.	Service	0-4 yrs. \$411 \$789,405 160 0-4 yrs.**	5-9 yrs \$483 \$405,955 70 5-9 yrs
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 76 members who did not have service reported. Average Monthly Benefit	Service 2009 Service	0-4 yrs. \$411 \$789,405 160 0-4 yrs.** \$410	5-9 yrs \$483 \$405,955 70 5-9 yrs \$497
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits	Service 2009 Service	0-4 yrs. \$411 \$789,405 160 0-4 yrs.** \$410 \$842,110	5-9 yrs \$483 \$405,955 70 5-9 yrs \$497 \$411,185
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members	Service 2009 Service	0-4 yrs. \$411 \$789,405 160 0-4 yrs.** \$410	5-9 yrs \$483 \$405,955 70 5-9 yrs \$497
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits	Service 2009 Service	0-4 yrs. \$411 \$789,405 160 0-4 yrs.** \$410 \$842,110	5-9 yrs \$483 \$405,955 70 5-9 yrs \$497 \$411,185
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members	Service 2009 Service	0-4 yrs. \$411 \$789,405 160 0-4 yrs.** \$410 \$842,110	5-9 yrs \$483 \$405,955 70 5-9 yrs \$497 \$411,185
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 86 members who did not have service reported.	Service 2009 Service 2009	0-4 yrs. \$411 \$789,405 160 0-4 yrs.** \$410 \$842,110 171	5-9 yrs \$483 \$405,955 70 5-9 yrs \$497 \$411,185 69
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 86 members who did not have service reported. Average Monthly Benefit Average Monthly Benefit Annual Benefits	Service 2009 Service 2009 Service 2008	0-4 yrs. \$411 \$789,405 160 0-4 yrs.** \$410 \$842,110 171 0-4 yrs.**	5-9 yrs \$483 \$405,955 70 5-9 yrs \$497 \$411,185 69 5-9 yrs
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members	Service 2009 Service 2009 Service 2008	0-4 yrs. \$411 \$789,405 160 0-4 yrs.** \$410 \$842,110 171 0-4 yrs.** \$405	5-9 yrs \$483 \$405,955 70 5-9 yrs \$497 \$411,185 69 5-9 yrs \$499
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 86 members who did not have service reported. Average Monthly Benefit Average Monthly Benefit Annual Benefits	Service 2009 Service 2009 Service 2008	0-4 yrs. \$411 \$789,405 160 0-4 yrs.** \$410 \$842,110 171 0-4 yrs.** \$405 \$889,207	5-9 yrs \$483 \$405,955 70 5-9 yrs \$497 \$411,185 69 5-9 yrs \$499 \$419,431
 Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 86 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 86 members who did not have service reported. 	Service 2009 Service 2009 Service 2008	0-4 yrs. \$411 \$789,405 160 0-4 yrs.** \$410 \$842,110 171 0-4 yrs.** \$405 \$889,207 183	5-9 yrs \$483 \$405,955 70 5-9 yrs \$497 \$411,185 69 <u>5-9 yrs</u> \$499 \$419,431 70
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 86 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 99 members who did not have service reported.	Service 2009 Service 2008 Service 2008	0-4 yrs. \$411 \$789,405 160 0-4 yrs.** \$410 \$842,110 171 0-4 yrs.** \$405 \$889,207 183 0-4 yrs.**	5-9 yrs \$483 \$405,955 70 5-9 yrs \$497 \$411,185 69 5-9 yrs \$499 \$419,431 70 5-9 yrs
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 86 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 99 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 99 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 99 members who did not have service reported.	Service 2009 Service 2008 Service 2008 Service 2007	0-4 yrs. \$411 \$789,405 160 0-4 yrs.** \$410 \$842,110 171 0-4 yrs.** \$405 \$889,207 183 0-4 yrs.** \$373	5-9 yrs \$483 \$405,955 70 \$497 \$411,185 69 \$411,185 69 \$419,431 70 \$419,431 70 \$499 \$419,431
Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 76 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members **Includes 86 members who did not have service reported. Average Monthly Benefit Annual Benefits Number of retired members	Service 2009 Service 2008 Service 2008 Service 2007	0-4 yrs. \$411 \$789,405 160 0-4 yrs.** \$410 \$842,110 171 0-4 yrs.** \$405 \$889,207 183 0-4 yrs.**	5-9 yrs \$483 \$405,955 70 5-9 yrs \$497 \$411,185 69 5-9 yrs \$499 \$419,431 70 5-9 yrs

		2016	00.01	10.10	10.11
Total	30 or more yrs.	25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$362	\$369	\$364	\$336	\$377	\$370
\$7,804,011	\$3,189,632	\$1,441,9747	\$1,945,584	\$185,304	324,159
1,796	721	330	483	41	73
Total	30 or more yrs.	2015 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$367	\$371	\$367	\$343	\$396	\$384
\$8,202,936	\$3,329,873	\$1,500,527	\$2,086,895	\$194,804	\$345,515
1,864	748	341	¢2,000,000 507	41	75
1,001	110	011			10
Total	30 or more yrs.	2014 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$373	\$373	\$366	\$351	\$405	\$397
\$8,600,736	\$3,478,906	\$1,555,990	\$2,211,341	\$199,311	\$385,589
1,924	777	354	525	41	81
		2013			
Total	30 or more yrs.	25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$379	\$384	\$369	\$353	\$404	\$408
\$8,851,158	\$3,624,803	\$1,575,687	\$2,213,280	\$203,412	\$435,853
1,944	787	356	522	42	89
Total	30 or more yrs.	2012 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$384	\$395	\$369	\$360	\$398	\$419
\$9,458,842	\$3,805,681	\$1,642,715	\$2.349.911	\$205,609	\$437,722
2,051	802	371	φ <u>2</u> ,0 4 0,511 544	43	87
2,001	002	0/1	011		01
Total	30 or more yrs.	2011 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$393	\$403	\$378	\$370	\$405	\$432
\$10,127,234	\$4,052,072	\$1,772,785	\$2,503,738	\$208,938	6482,302
2,147	838	391	564	43	93
		2010			
Total	30 or more yrs.	25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$400	\$412	\$381	\$376	\$412	\$432
\$10,552,555	\$4,238,332	\$1,858,335	\$2,559,991	\$212,754	\$487,783
2,197	857	406	567	43	94
Total	30 or more yrs.	2009 25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
\$406	\$420	\$384	\$384	\$406	\$436
\$11,056,516	\$4,460,274	\$1,952,886	\$2,678,358	\$214,419	\$497,284
2,268	φ-,-00,27- 884	424	φ <u>2</u> ,070,000 581	φ214,415 44	95
2,200	004	747	001	++	50
Total	30 or more yrs.	2008 25–29 yrs.	20-24 yrs.	15–19 yrs.	10–14 yrs.
\$413	\$427	\$399	\$392	\$414	\$437
\$11,536,415	\$4,628,374	\$2,051,632	\$2,815,199	\$223,432	\$509,140
2,327	904	429	599	45	97
		2007			
Total	30 or more yrs.	25–29 yrs.	20–24 yrs.	15–19 yrs.	10–14 yrs.
	\$406	\$375	\$334	\$424	\$409
\$393	A	A			
\$393 \$11,194,846 2,375	\$4,669,153 958	\$1,965,753 437	\$2,535,540 570	\$274,872 54	6456,490 93

PRINCIPAL PARTICIPATING EMPLOYERS

PRINCIPAL PARTICIPATING EMPLOYERS – PENSION PLAN CURRENT YEAR AND NINE YEARS AGO

	As Of June 30, 2016			As Of	, 2007	
	# of Covered		Percentage of Total	# of Covered		Percentage of Total
Participating Government	Employees	Rank	Pension Plan	Employees	Rank	Pension Plan
State of New Hampshire	10,747	1	22.36%	12,165	1	23.95%
SAU 42 (Nashua School District)	1,271	2	2.64%	1,297	3	2.55%
Manchester School District	1,263	3	2.63%	1,463	2	2.88%
Timberlane School District	651	4	1.35%	662	4	1.30%
City of Dover	621	5	1.29%	_	—	—
Merrimack School District	610	6	1.27%	654	5	1.29%
City of Nashua	604	7	1.26%	569	9	1.12%
Concord School District	575	8	1.20%	615	6	1.21%
SAU 54 (Rochester School District)	569	9	1.18%	583	8	1.15%
Londonderry School District	536	10	1.12%	610	7	1.20%
All Other*	30,622		63.70%	32,184		63.35%
Total (471 Governments)	48,069		100.00%	50,802		100.00%
*As of June 30, 2016, "All Other" consisted of:						
Туре				Number		Employees
City Governments				11		2,372
Town Governments & Related Entities				242		5,453
County Governments & Related Entities				12		3,215
School Districts & School Administrative Units				196		19,582
Total				461		30,622

A full list of participating employers as of June 30, 2016 begins on page 129.

PRINCIPAL PARTICIPATING EMPLOYERS – GROUP II POLICE OFFICERS AND FIREFIGHTERS OPEB PLAN CURRENT YEAR AND NINE YEARS AGO

	30, 2008**
entage # of Fotal Covered	Percentage of Total
3 Plan Employees Ran	k OPEB Plan
.55% 620 1	25.83%
.70% 310 2	12.92%
.08% 221 3	9.21%
.02% 118 4	4.92%
.91% 98 5	4.08%
.91% 80 6	3.33%
.91% 61 7	2.54%
.26% 48 9	2.00%
.23% 50 8	2.08%
.01% 48 9	2.00%
.42% 746	31.09%
.00% 2,400	100.00%
-	

туре	Number	Employees
City Governments	7	200
Town Governments & Related Entities	116	559
County Governments & Related Entities	10	116
Total	133	875

**Data for nine years ago is not available due to changes in accounting systems. Data for June 30, 2008 will be reported prospectively until such time as data is available for nine years ago.

PRINCIPAL PARTICIPATING EMPLOYERS – GROUP I TEACHERS OPEB PLAN CURRENT YEAR AND NINE YEARS AGO

	As Of June 30, 2016			As Of June 30, 2008**		
	# of Covered		Percentage of Total	# of Covered		Percentage of Total
Participating Government	Employees	Rank	OPEB Plan	Employees	Rank	OPEB Plan
Manchester School District	481	1	11.08%	464	1	12.57%
SAU 42 (Nashua School District)	389	2	8.96%	304	2	8.24%
Concord School District	184	3	4.24%	181	3	4.91%
Keene School District	159	4	3.66%	147	4	3.98%
Portsmouth School District	139	5	3.20%	142	5	3.85%
Salem School District	116	6	2.67%	90	6	2.44%
Dover School District	100	7	2.30%	85	7	2.30%
Merrimack School District	97	8	2.23%	_	_	_
SAU 54 (Rochester School District)	95	9	2.19%	73	9	1.98%
SAU 10 (Derry Coop School District)	82	10	1.89%	_	_	_
All Other*	2,499		57.58%	2,204		59.73%
Total (165 Governments)	4,341		100.00%	3,690		100.00%
*As of June 30, 2016, "All Other" consisted of:						
Type School Districts & School Administrative Units				Number 155		Employees 2,499
Total				155		2,499

**Data for nine years ago is not available due to changes in accounting systems. Data for June 30, 2008 will be reported prospectively until such time as data is available for nine years ago.

PRINCIPAL PARTICIPATING EMPLOYERS – GROUP I POLITICAL SUBDIVISION EMPLOYEES OPEB PLAN CURRENT YEAR AND NINE YEARS AGO

	As Of June 30, 2016			As Of	, 2008**	
	# of Covered		Percentage of Total	# of Covered		Percentage of Total
Participating Government	Employees	Rank	OPEB Plan	Employees	Rank	OPEB Plan
City of Concord	70	1	5.65%	71	1	6.08%
City of Nashua	44	2	3.55%	37	2	3.17%
Hillsborough County	44	2	3.55%	36	3	3.08%
Rockingham County	35	3	2.83%	27	5	2.31%
City of Portsmouth	33	4	2.67%	26	6	2.23%
Concord School District	32	5	2.58%	28	4	2.40%
City of Keene	29	6	2.34%	_	_	_
Merrimack County	29	6	2.34%	27	5	2.31%
City of Dover	29	6	2.34%	26	6	2.23%
Grafton County	28	7	2.26%	_	_	_
All Other*	865		69.89%	889		73.79%
Total (207 Governments)	1,238		100.00%	1,167		100.00%
*As of June 30, 2016, "All Other" consisted of: Type				Number		Employees
City Governments				7		73
Town Governments & Related Entities				65		219
County Governments & Related Entities				8		54
School Districts & School Administrative Units				117		519
Total				197		865

**Data for nine years ago is not available due to changes in accounting systems. Data for June 30, 2008 will be reported prospectively until such time as data is available for nine years ago.

PRINCIPAL PARTICIPATING EMPLOYERS – GROUP I STATE EMPLOYEES OPEB PLAN CURRENT YEAR AND NINE YEARS AGO

	As Of June 30, 2016			As Of June 30, 2008**		
	# of Covered		Percentage of Total	# of Covered		Percentage of Total
Participating Government	Employees	Rank	OPEB Plan	Employees	Rank	OPEB Plan
State of New Hampshire	1,690	1	94.10%	2,320	1	99.70%
Community College System of New Hampshire	101	2	5.62%	_	_	_
New Hampshire Retirement System	5	3	0.28%	7	2	0.30%
Total (6 Governments)	1,796		100.00%	2,327		100.00%

**Data for nine years ago is not available due to changes in accounting systems. Data for June 30, 2008 will be reported prospectively until such time as data is available for nine years ago.

LISTING OF PARTICIPATING EMPLOYERS

STATE GOVERNMENT

State of New Hampshire E, P, F

Community College System of New Hampshire E

Community Development Finance Authority E

Land & Community Heritage Investment Program E

New Hampshire Retirement System E Pease Development Authority E

CITIES AND TOWNS (AND RELATED ENTITIES)

Albany E Alexandria E, P Allenstown E, P, F Allenstown Sewer Commission E Alstead P Alton E. P. F Amherst P, F Andover P Androscoggin Valley Regional Refuse Disposal Dist. E Antrim E. P Ashland E, P Ashland Electric Department E Atkinson E, P Auburn E, P, F Baker Free Library E Barnstead E, P, F Barrington E, P, F Bartlett P, F BCEP Solid Waste District E Bedford E, P, F Belmont E, P, F Bennington E, P Berlin E, P, F Berlin Housing Authority E Berlin Water Works E Bethlehem E, P, F Boscawen E, P Bow E, P, F Bradford P

Brentwood E, P, F Bristol E, P, F Brookline E, P, F Brookline Public Library E Campton E, P Campton-Thornton Fire Department E, F Canaan E, P Candia P Canterbury E, P, F Carroll E, P, F Center Harbor P Central Hooksett Water Precinct E Charlestown E, P Chester E, P, F Chesterfield E, P Chichester E, P Claremont E, P, F Clarksville E Colebrook E, P Concord E, P, F Concord Regional Solid Waste Resource Recovery Facility E Conway E, P Conway Village Fire District E, F Cornish E Danville P Deerfield E, P Deering P Derry E, P, F Derry Housing Authority E Dorchester E Dover E, T, P, F Dover Housing Authority E Dublin E, P Dunbarton E, P Durham E, P, F East Kingston E, P, F Effingham P Eidelweiss Village District E Enfield E, P Epping E, P, F

Epsom E, P, F Exeter E, P, F Farmington P, F Fitzwilliam E, P Francestown E, P Franconia P Franklin E, P, F Freedom P, F Fremont P Gilford E, P, F Gilmanton E, P, F Goffstown E, P, F Goffstown Village Water Precinct E Gorham E, P, F Goshen E. P Grafton E, P Grantham E, P Greenfield E, P Greenland E, P Greenville E. P Groton E. P Hampstead E, P, F Hampton E, P, F Hampton Falls E, P, F Hancock P Hanover E, P, F Harrisville P Haverhill E, P Hebron E, P Henniker E, P, F Hillsborough P, F Hinsdale E, P Holderness E, P, F Hollis E, P, F Hooksett E, P, F Hooksett Public Library E Hooksett Sewer Commission E Hooksett Village Water Precinct E Hopkinton E, P, F Hudson E, P, F Jackson E, P, F

Jaffrey E, P, F Jefferson E Keene E, P, F Kensington P Kingston E, F, P Laconia E, P, F Laconia Housing & Redevelopment E Laconia Water Works E Lakes Region Mutual Fire Aid E, F Lakes Region Planning Commission E Lancaster E, P, F Langdon P Lebanon E, P, F Lee E, P, F Lempster E, P Lincoln E, P Lisbon P Litchfield E, P, F Littleton E, P, F Littleton Public Library E Littleton Water & Light Department E Londonderry E, P, F Loudon E, P, F Lyme E, P Lyndeborough P Madison E, P Manchester P. F Marlborough E, P Marlow E Mason P Maxfield Public Library E Meredith E, P, F Meriden Village Water District E Merrimack E, P, F Merrimack Village District E Middleton P Milford E, P, F Milford Area Communication Center E Milton E, F, P Monroe E

Mont Vernon E, P Moultonborough E, P, F Nashua E, P, F Nashua Airport Authority E Nashua Housing Authority E Nelson E New Boston P New Castle E, P, F New Durham E, P New England Interstate Water Pollution Control Commission E New Hampton E, P, F New Ipswich E, P New London E, P, F New London-Springfield Water Precinct E Newbury P Newfields E, P Newington E, P, F Newmarket E, P, F Newport E, P, F Newton E, P New Hampshire Municipal Bond Bank E North Conway Water Precinct/ Fire Department E, F North Hampton E, P, F Northfield E, P Northumberland E, P Northwood E, P, F Nottingham P, F Orford E, P Ossipee E, P Pelham E, P, F Pembroke E. P Penacook-Boscawen Water Precinct E Peterborough E, P, F Piermont P Pittsburg E, P Pittsfield E, P, F Plainfield E, P Plaistow E, P, F

Plaistow Public Library E Plymouth E, P, F Plymouth Village Water & Sewer E Portsmouth E, P, F Portsmouth Housing Authority E Raymond E, P, F Rindge E, P, F Rochester E, P, F Rockingham Planning Commission E Rollinsford P Rumney E, P Rye E, P, F Rye Water District E Salem E, P, F Salem Housing Authority E Salisbury E Sanbornton E, P, F Sanbornton Public Library E Sandown E, P, F Sandown Public Library E Sandwich P Seabrook P, F Shelburne E Somersworth E, P, F Somersworth Housing Authority E South Hampton P Southern NH Planning Commission E Springfield E, P Stark E Stewartstown E, P Strafford P, F Stratford E Stratham E, P Sugar Hill E, P Sunapee E, P Sutton P Swanzey P, F SWNH District Fire Mutual Aid E, F Tamworth E, P, F Thornton E, P Tilton E, P

Tilton/Northfield Fire District E, F Troy E, P Troy Water & Sewer E Tuftonboro E, P, F Unity E Village District of Eastman E Wakefield E, P, F Walpole E, P Warner E, P Warner Village Water District E Washington E, P Waterville Estates Village District E Waterville Valley E, P, F Weare E, P Webster E. P Weeks Public Library E Westmoreland E Whitefield E, P, F Wilmot E, P Wilton P Winchester E. P Windham E, P, F Wolfeboro E, P, F Woodstock E, P Woodsville Fire District E Woodsville Water & Light Department E

COUNTY GOVERNMENTS (AND RELATED ENTITIES)

Belknap County E, P Belknap County Conservation District E Carroll County E, P Cheshire County E, P Coos County E, P Coos County Nursing Home E Grafton County E, P Hillsborough County E, P Merrimack County E, P, F Strafford County E, P Sullivan County E, P

SCHOOL DISTRICTS

Allenstown School District T Alton School District E, T Amherst School District E, T Andover School District E, T Ashland School District E, T Auburn School District E, T Barnstead School District E, T Barrington School District E, T Bartlett School District E, T Bath School District E, T Bedford School District E, T Bethlehem School District E, T Bow School District E, T Brentwood School District E, T Brookline School District E, T Campton School District E. T Candia School District E. T Chester School District E, T Chesterfield School District E, T Chichester School District E, T Claremont School District E, T Cocheco Arts & Technology Academy T Colebrook School District T Concord School District E, T Contoocook Valley Regional School District-SAU 1 E. T Conway School District E, T Cornish School District E, T Croydon School District T Deerfield School District T Dresden School District E. T Dunbarton School District T East Kingston School District E, T Epping School District E, T Epsom School District T Errol School District T Exeter School District E. T

Exeter Regional Co-Op School District E. T Fall Mountain Regional School District E, T Farmington School District E, T Franklin School District E, T Freedom School District E, T Fremont School District E. T Gilford School District E. T Gilmanton School District E, T Goffstown School District E, T Goshen-Lempster School District E, T Governor Wentworth Regional School District E, T Grantham School District E, T Great Bay eLearning Charter School T Greenland School District E, T **GRS** Cooperative School District E, T Hampstead School District E, T Hampton Falls School District E, T Hampton School District E, T Hanover School District E, T Harrisville School District E, T Haverhill Coop School District E, T Henniker School District E, T Hill School District E, T Hillsboro-Deering School District E, T Hinsdale School District E, T Holderness School District E, T Hollis School District E, T Hollis/Brookline Coop School District E, T Hooksett School District E, T Hopkinton School District E, T Hudson School District E, T Inter-Lakes Cooperative School District E, T Jackson School District E, T Jaffrey-Rindge Co-op E, T

John Stark Regional School District E, T Kearsarge Regional Cooperative School District E, T Keene School District E, T Kensington School District E, T Laconia School District E, T Lafayette Regional Cooperative School District E, T Landaff School District T Lebanon School District E, T Lempster School District E, T Lincoln Woodstock Coop School District E, T Lisbon Regional School District E, T Litchfield School District E, T Littleton School District E, T Londonderry School District E, T Lyme School District E, T Madison School District E, T Manchester School District E, T Marlborough School District E, T Marlow School District E, T Mascenic Regional School District E, T Mascoma Valley Regional School District E, T Mason School District E, T Merrimack School District E, T Merrimack Valley School District E, T Milan School District E, T Milford School District E, T Milton School District E, T Monadnock Regional School District E, T Monroe School District E, T Mont Vernon School District E, T Moultonborough School District E, T Nelson School District T New Boston School District E, T New Castle School District E, T Newfields School District E, T Newfound Area School District E, T

Newington School District E, T Newmarket School District E, T Newport School District E, T Next Charter School T North Country Charter Academy T North Country Education Service E, T North Hampton School District E, T Northumberland School District E, T Northwood School District E, T Nottingham School District E, T Oyster River Coop School District E, T Pelham School District E, T Pembroke School District E, T Pemi-Baker Regional School District E, T Piermont School District E, T Pittsburg School District E, T Pittsfield School District E, T Plainfield School District E, T Plymouth School District E, T Portsmouth School District -SAU 52 E, T Portsmouth-Josie F. Prescott E Profile Coop School District E, T Propsect Mountain High School E, T Raymond School District E, T Rivendell Interstate School District E, T Rollinsford School District E, T Rumney School District E, T Rye School District E, T Salem School District E, T Sanborn Regional School District E, T Seabrook School District E. T Seacoast Charter School T Shaker Regional School District E, T Somersworth School District E, T Souhegan Cooperative School District E, T South Hampton School District E, T Stark School District E, T Stewartstown School District T

Stoddard School District E, T Strafford School District E, T Stratford School District E, T Stratham School District E, T Sunapee School District E, T Tamworth School District E, T Thornton School District E, T Timberlane Regional School District E, T Unity School District E, T Virtual Learning Academy Charter School T Wakefield School District E, T Warren School District E, T Washington School District E, T Waterville Valley School District E, T Weare School District T Wentworth School District E, T Westmoreland School District E, T White Mountains Regional School District E, T Wilton-Lyndeborough School District E, T Winchester School District E, T Windham School District E, T Winnacunnet Coop School District E, T Winnisquam Regional Coop School District E, T SCHOOL ADMINISTRATIVE UNITS SAU 2 E, T SAU 3 E, T SAU 6 E SAU 7 E, T SAU 9 E, T SAU 10 E, T SAU 13 E, T SAU 15 E, T SAU 16 E, T

SAU 18 E, T

SAU 19 E, T

SAU 20 E

SAU 23 E, T SAU 24 E, T SAU 29 E, T SAU 34 E, T SAU 35 E, T SAU 39 E SAU 41 E SAU 42 E, T SAU 43 E, T SAU 44 E, T SAU 46 E SAU 48 E, T SAU 50 E, T SAU 53 E, T SAU 54 E, T SAU 55 E SAU 56 E, T SAU 58 E SAU 61 E SAU 64 E, T SAU 67 E, T SAU 70 E, T SAU 71 E, T

SAU 21 E, T

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