STATE OF MINNESOTA
Office of the State Auditor

Rebecca Otto
State Auditor

LARGE PUBLIC PENSION PLAN INVESTMENT REPORT

For the Year Ended December 31, 2014

Description of the Office of the State Auditor

The mission of the Office of the State Auditor is to oversee local government finances for Minnesota taxpayers by helping to ensure financial integrity and accountability in local governmental financial activities.

Through financial, compliance, and special audits, the State Auditor oversees and ensures that local government funds are used for the purposes intended by law and that local governments hold themselves to the highest standards of financial accountability.

The State Auditor performs approximately 150 financial and compliance audits per year and has oversight responsibilities for over 3,300 local units of government throughout the state. The office currently maintains five divisions:

Audit Practice - conducts financial and legal compliance audits of local governments;

Government Information - collects and analyzes financial information for cities, towns, counties, and special districts;

Legal/Special Investigations - provides legal analysis and counsel to the Office and responds to outside inquiries about Minnesota local government law; as well as investigates allegations of misfeasance, malfeasance, and nonfeasance in local government;

Pension - monitors investment, financial, and actuarial reporting for approximately 700 public pension funds; and

Tax Increment Financing - promotes compliance and accountability in local governments' use of tax increment financing through financial and compliance audits.

The State Auditor serves on the State Executive Council, State Board of Investment, Land Exchange Board, Public Employees Retirement Association Board, Minnesota Housing Finance Agency, and the Rural Finance Authority Board.

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Large Public Pension Plan Investment Report

For the Year Ended December 31, 2014

May 12, 2016

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Scope and Methodology

This report reviews the investment performance of Minnesota's large local public pension plans for the 2014 calendar year. The public pension plans included in this report are the Bloomington Fire Department Relief Association, the Duluth Teachers' Retirement Fund Association, and the St. Paul Teachers' Retirement Fund Association. The State Board of Investment, which is referenced frequently, is not a pension plan, but invests the assets of certain public employee pension plans administered by the Minnesota State Retirement System, the Public Employees Retirement Association, and the Teachers Retirement Association.

Legislation passed in May 2014 mandated the merger of Duluth Teachers' into the Teachers Retirement Association. The merger took place on June 30, 2015.

These pension plans and the SBI held over $61.4 billion in assets as of December 31, 2014, which represents the future retirement benefits of hundreds of thousands of public employees.

Limited information for the University of Minnesota Supplemental Benefits Plan is also included in this report. This plan has a total market value of less than $25 million, so its statutory reporting requirements are less than the reporting requirements for the other plans included in this report. Therefore, only a brief description of activities for the plan is provided, and the plan is not included in the report tables.

The pension plans are required under Minnesota Statutes, section 356.219, to annually report investment information to the Office of the State Auditor (OSA), and the State Auditor is required to provide a report to the legislature on the investment performance of these plans. One way to measure investment performance is to calculate a rate of return which can then be used to compare a plan against a benchmark or against other plans. The methodologies used by each of the large plans to calculate rates of return may vary from one another and from the methodology used by the OSA. To obtain analogous comparisons of investment performance, the OSA calculates rates of return using a uniform calculation method.[1] Using a uniform calculation method allows for a fair comparison of performance among plans.

[1] Minnesota Statutes, section 356.219, requires the OSA to compute and report total portfolio and asset class time-weighted rates of return, net of all costs and fees. The State Board of Investment is permitted by this statute to submit limited reporting information. Therefore, the rates of return included in this report for the State Board of Investment are provided by the State Board of Investment and are not re-calculated by the OSA.

The purpose of this report is to inform lawmakers of the large plans' investment performance, educate fiduciaries and members of the plans, and provide transparency to the public.

A new public pension accounting standard issued by the Governmental Accounting Standards Board (GASB) took effect in fiscal year 2014 and established new accounting and reporting standards for state and local governmental pension plans. The new standard, GASB Statement No. 67, *Financial Reporting for Pension Plans*, requires changes in the presentation of the financial statements, notes to the financial statements, and required supplementary information. Significant changes include an actuarial calculation of the total pension liability, the net pension asset or liability, the sensitivity of the net pension asset or liability to the discount rate, and increased investment activity disclosures.

The implementation of GASB Statement 67 resulted in changes to information presented in the Appendix tables found at the end of this report. The tables containing changes are noted with an explanation of the change.

Executive Summary

Current Trends

- During 2014, rates of return for the large plans were 7.0 percent (Bloomington Fire Department Relief Association), 6.5 percent (St. Paul Teachers' Retirement Fund Association), and 5.9 percent (Duluth Teachers' Retirement Fund Association). St. Paul Teachers' was the only plan that exceeded their benchmark. The rate of return for the State Board of Investment's Combined Funds was 8.6 percent. (Pages 9 through 16)

- Bloomington Fire was the only large plan that ended 2014 with a funding ratio above 100 percent, at 113.7 percent. Duluth Teachers' and St. Paul Teachers' had funding ratios of 46.8 percent and 66.1 percent, respectively. (Pages 17 and 18)

Long-Term Trends

- The ten-year period from January 2005 through December 2014 was a period of market volatility. Bloomington Fire was the only large plan able to match or exceed its actuarial assumed rate of return over this period. Although the other large plans were not able to meet their actuarial assumed rates of return over this period, most of the plans were able to keep up with or exceed market returns. The best-performing plan over the ten-year period was St. Paul Teachers', which earned 6.8 percent. The State Board of Investment's Combined Funds returned 7.8 percent for the period. (Pages 21 and 22)

- The plans with the lowest rates of return for the ten-year period were Duluth Teachers' and Bloomington Fire, with returns of 4.9 percent and 6.0 percent, respectively. (Pages 21 and 22)

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Understanding Investment Performance Terms

Rate of Return

Rate of return is the gain or loss on an investment over a specified time period, usually expressed as a percentage increase over the fair market value at the beginning of the period.

Asset Allocation

Asset allocation describes the practice of distributing the assets of a portfolio among different types of investment classes, such as stocks, bonds, cash, and real estate. By diversifying assets, the goals are to minimize risk and to create a favorable risk/reward ratio for a portfolio. When one asset class declines, the expectation is another will increase and offset the loss.

Passive Investment Strategy

Passive investment strategy or passive management is more commonly called indexing. Indexing is an investment management approach based on investing in the same securities, and in the same proportions, as a specific index. The management style is considered passive because portfolio managers do not make decisions about which securities to buy and sell. Instead, managers simply copy the index by purchasing the same securities included in a particular stock or bond market index.

Active Investment Strategy

Active investment strategy or active management is an attempt to outperform the market as measured by a particular benchmark or index. The aim of active fund management is to outperform, after fees are paid, the index that a particular fund is benchmarked against. Prevailing market trends, the economy, political and other current events, and company-specific factors, such as earnings growth, all affect an active manager's decisions. Active investing often has higher costs than passive investing. These extra expenses may reduce any extra gains an active manager might earn.

Enhanced Indexing Investment Strategy

Enhanced indexing investment strategy or enhanced indexing is a hybrid strategy used by many of the large plans. Enhanced indexing combines both passive and active investment strategies and attempts to generate rates of return that are slightly higher than that of an index fund or other passive management techniques.

Benchmark

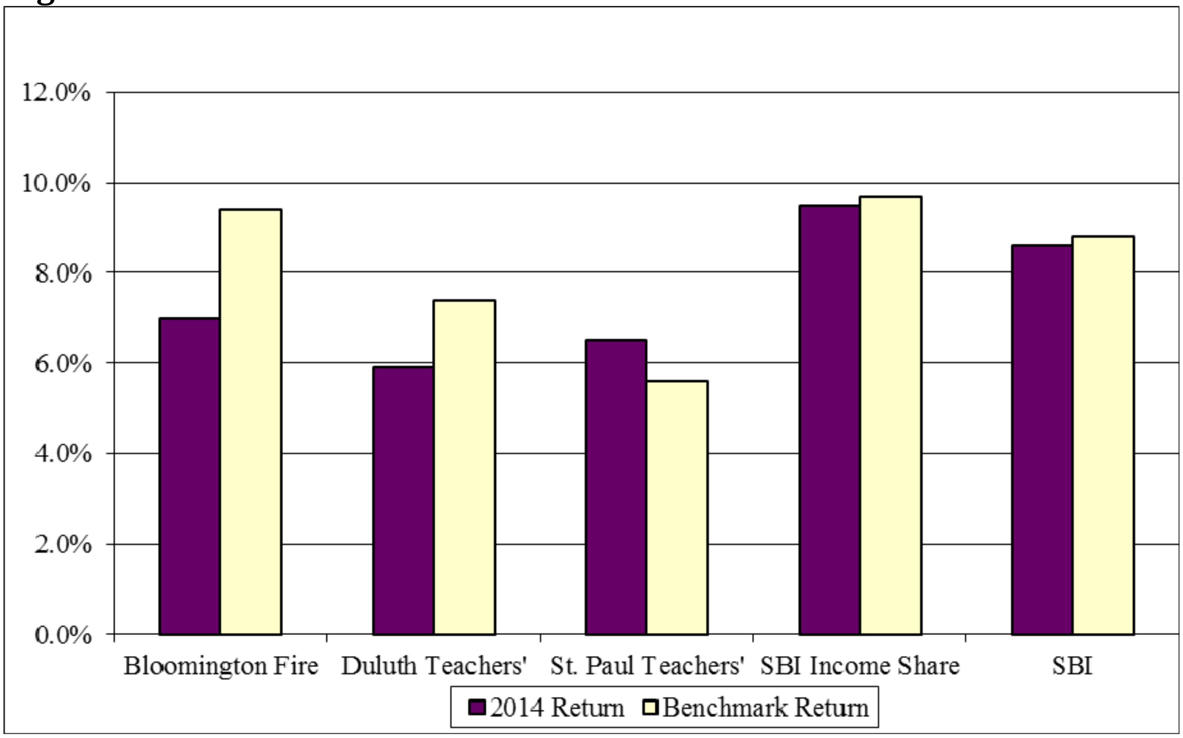
A benchmark is an index to which a plan compares its investments. Market benchmarks are used by individual investors, portfolio managers, and market researchers to determine how well a particular market or market sector performs. Investors look to broad indices as benchmarks to help them gauge not only how well the markets are performing, but also how well the investors are performing as investors.

Why Benchmarks are Important

Measuring investment returns against an appropriate benchmark encourages prudent investment decisions and gives trustees another method of evaluating investment performance. The key to establishing the most accurate benchmark for a portfolio is determining which indices best track investments similar to the asset allocation of the investment policy. An ideal benchmark return would consist of a hypothetical portfolio of indices, invested in the same asset classes and in the same proportion as the actual holdings of the entire portfolio. Indices track different asset classes, such as domestic equity or bonds. An index may also track subsets of an asset class, such as small-capitalization growth domestic equity. Although benchmark indices are not directly available for investment purposes, mutual and collective index funds which hold the same securities as the index can be obtained. Known as “index funds,” these funds are managed with a passive style.

Figure 1 on the next page compares the 2014 rates of return and benchmark returns for the large plans and the State Board of Investment.

Figure 1: 2014 Rates of Return and Benchmark Return



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2014 Performance Analysis

Investment returns fluctuated by asset class in 2014. The S&P 500 Index, which is a gauge of the large-capitalization U.S. equities market, returned 13.7 percent in 2014. The Russell 3000 Index measures the performance of the largest 3,000 U.S. companies, representing nearly all of the U.S. equity market. The Russell 3000 Index returned 12.6 percent.

International equities did not perform as well in 2014 as in 2013, returning negative 3.9 percent as measured by the Morgan Stanley Capital International (MSCI) All-Country World Index excluding the United States (ACW Index ex. U.S.). This index measures the performance of both developed and emerging markets.

Domestic bonds improved in 2014, returning 6.0 percent as measured by the Barclays Capital Aggregate Index. The 2014 returns for bonds exceeded the negative 2.0 percent return for this asset class during 2013.

In 2014, economic indicators improved as unemployment dropped to 5.6 percent and consumer spending increased by 4.7 percent. The Consumer Price Index, which measures inflation, rose 0.8 percent.

Bloomington Fire Department Relief Association

The Bloomington Fire Department Relief Association consists of retired and active firefighters of the City of Bloomington. Bloomington Fire is the administrator of a single-employer defined-benefit pension plan available to firefighters, which was established April 1, 1947.[2] Bloomington Fire is governed by a Board of Trustees made up of six members elected by the members of the plan for three-year terms, one elected City official, one elected or appointed City official, and Fire Chief, who serve as ex officio voting members of the Board.

Bloomington Fire returned 7.0 percent in 2014, as calculated by the Office of the State Auditor (OSA). The return fell short of the plan's benchmark return of 9.4 percent.

Bloomington Fire's investment policy allocates 50.0 percent to domestic equities, 10.0 percent to international equities, 35.0 percent to bonds, and 5.0 percent to cash. The plan's actual allocations for 2014 varied slightly from the policy allocations, with increases in domestic equities and fixed income, and a reduction in international income and cash. From 2013 to 2014, Bloomington Fire increased its allocations to fixed income

[2] *See* Bloomington Fire Department Relief Association December 31, 2014, Financial Statements and Management Letter, page nine.

and domestic equities by 5.9 percent and 5.4 percent, respectively. Bloomington Fire decreased its allocations to cash and international stock for the same period by 7.0 percent and 4.3 percent, respectively.

At the end of 2014, 86.3 percent of Bloomington Fire's total assets were held in the State Board of Investment (SBI)'s Supplemental Investment Fund: 34.7 percent of the plan's assets with the SBI were invested in the Common Stock Index Account; 19.4 percent in the Bond Market Account; 15.1 percent in the Growth Share Account; 9.6 percent in the International Share Account, and 7.6 percent in the Money Market Account.

The Common Stock Account is a Russell 3000 Index fund that returned 11.8 percent for the year. The Growth Share Account is an actively-managed domestic equity account that returned 11.4 percent for the year. Both domestic equity accounts failed to exceed their benchmark S&P 500 return of 13.7 percent. The International Share Account, consisting of active, semi-passive, and passive managers, returned negative 4.0 percent for the year. The account is compared to a composite index that returned 4.9 percent. The Bond Market Account, an actively-managed account, returned 6.4 percent, and exceeded its benchmark Barclays Capital Aggregate Index return of 6.0 percent.

Wells Fargo Advisors held 11.9 percent of Bloomington Fire's total assets. This account was invested in cash, individual stocks, fixed-income, and mutual funds. The Wells Fargo account returned 3.6 percent.

Bloomington Fire also held investments in an internally-managed account. The account held 1.8 percent of the plan's assets and was entirely invested in short-term cash investments. Assets held by the internally-managed account increased by 10.6 percent over the 2013 holdings.

Duluth Teachers' Retirement Fund Association

The Duluth Teachers' Retirement Fund Association was established in 1910 to provide retirement coverage to eligible employees of the Duluth Public Schools.[3] Eligible employees include the licensed, certified staff of Duluth Public Schools, certain staff at Lake Superior College hired prior to July 1, 1995, who elected to continue membership with the association, and association staff. Since 1964, the association also offers to members three tax-deferred 403(b) investment funds through payroll deduction with the school district. The association is governed by a nine-member Board of Trustees, which sets policy and oversees operations consistent with the applicable laws. The executive director is the administrative officer for the association. Legislation passed in May 2014 mandated the merger of Duluth Teachers' into the Teachers Retirement Association. The merger took place on June 30, 2015.

[3] *See* Duluth Teachers' Retirement Fund Association 2013 Comprehensive Annual Financial Report Letter of Transmittal, page three.

Duluth Teachers' returned 5.9 percent in 2014, below its benchmark return of 7.4 percent.

In September 2014, Duluth Teachers' began transferring money to the SBI in preparation of its merger with TRA. Duluth Teachers' SBI holdings returned 6.3 percent in 2014, as calculated by the OSA. The SBI portfolio accounted for 59.1 of Duluth Teachers' total assets. In September 2014, Duluth Teachers' opened a DB Money Market Account with the SBI. The fund returned 0.1 percent for the last quarter of 2014. In October 2014, Duluth Teachers' began investing in the SBI's Alternative Pool Account, Bond Account, Growth Account, Index Stock Account, and International Account. The Alternative Pool Account returned 0.4 percent for the last month of 2014. The Bond Account returned 0.1 percent for the last month of 2014. The Growth Account, Index Stock Account, and International Account returned, 0.2 percent, 0.0 percent, and negative 3.2 percent for the last month of 2014, respectively.

Duluth Teachers' domestic equity investments accounted for 20.9 percent of the total portfolio in 2014. The domestic equities holdings of Duluth Teachers' returned 8.2 percent in 2014, which fell short of the S&P 500 Index of 13.7 percent.

The plan's private equity funds were held by HarbourVest Partners, North Sky Capital, and Permal. Private equity consists of equity securities in operating companies that are not publicly traded on a stock exchange. The assets were invested in venture funds, buyout funds, and international private equity funds. Private equity investments returned 17.0 percent in 2014, as calculated by the OSA. Investments in private equity comprised 10.3 percent of the plan's total assets at the end of the year.

The plan's opportunistic funds were held by Pimco and Blackrock. The opportunistic category includes unique and short-term investment opportunities. A target allocation of 5.0 percent was established for this category. The opportunistic investments comprised 6.8 percent of the plan's assets at the end of the year. Opportunistic investments returned 10.2 percent in 2014, as calculated by the OSA.

Cash holdings of Duluth Teachers' returned 0.0 percent in 2014, as calculated by the OSA. A target allocation of 3.0 percent was established for this category. Cash investments comprised 2.4 percent of the plan's assets at the end of the year.

In December 2014, Duluth Teachers' opened a Securities Lending Account. The account comprised 0.5 percent of the plan's assets at the end of the year. The fund returned negative 39.0 percent for the month.

Fixed income holdings were largely liquidated in 2014 and transferred to the SBI. The plan's fixed income funds returned 5.5 percent in 2014, as calculated by the OSA. They failed to meet the Barclays Capital Aggregate Index return of 6.0 percent. At the end of 2014, Duluth Teachers' had slightly over $81,000 invested in fixed income funds not invested through the SBI.

International equities returned negative 3.3 percent in 2014, exceeding the MSCI ACW Index ex. U.S. return of negative 3.9 percent. Duluth Teachers' international equity portfolio not invested with the SBI was liquidated by the end of 2014.

Duluth Teachers' real assets were liquidated in 2014. The plan's real estate investments consist of the building which houses the plan's offices. The investment returned 14.9 percent in 2014, exceeding its benchmark National Council of Real Estate Investment Fiduciaries (NCREIF) Property Index return of 11.8 percent.

St. Paul Teachers' Retirement Fund Association

The St. Paul Teachers' Retirement Fund Association is a non-profit organization formed in 1909.[4] At the direction and oversight of a ten-member Board of Trustees, St. Paul Teachers' staff manage two tax-qualified, defined-benefit pension programs, a Basic Plan, and a Coordinated Plan. These plans cover licensed personnel of Independent School District (ISD) No. 625, which is the central administrative body for public schools within the City of St. Paul. Basic Plan members do not participate in Social Security through their employment with the ISD. In 1978, the Coordinated Plan commenced, and it provides retirement benefits for members who simultaneously participate in Social Security.

St. Paul Teachers' returned 6.5 percent in 2014, as calculated by the OSA, exceeding its benchmark return of 5.6 percent. The plan's market value increased by $7.6 million. Domestic equity and fixed income returns were the main contributors to the plan's overall increase in market value.

The domestic equity holdings of St. Paul Teachers' returned 10.3 percent, which fell short of its S&P 500 Index benchmark return of 13.7 percent. St. Paul Teachers' used the S&P 500 Index as the large-capitalization benchmark. During 2014, St. Paul Teachers' liquidated two equity funds and purchased two new equity funds. In February 2014, St. Paul Teachers' liquidated its holdings in the BlackRock Equity S&P 500 Index Fund and BlackRock Russell 1000 Growth Index Fund. St. Paul Teachers' began investing with the SBI in March 2014. In February 2014, St. Paul Teachers' invested in the SBI Equity Fund which returned 12.6 percent and matched the Russell 3000 Index benchmark of 12.6 percent. This fund was the plan's largest large-capitalization fund. In December 2014, St. Paul Teachers' purchased the BlackRock S&P Fund. The Barrow & Hanley Fund's rate of return of 13.1 percent fell short of the Russell 1000 Value Index benchmark return of 13.5 percent. The lone mid-capitalization fund managed by Wellington Management returned 3.7 percent. The small-capitalization fund managed by Boston Company returned 5.2 percent. The Dimensional Fund Advisors 6-10 Value Fund returned 4.4 percent, compared to its 4.2 percent benchmark return. The Advantus fund returned 31.0 percent, which failed to meet the benchmark Wilshire Real Estate Securities Index return of 31.8 percent.

[4] *See* St. Paul Teachers' Retirement Fund Association June 30, 2014, Financial Statements and Management Letter, page five.

Fixed-income investments returned 6.2 percent, exceeding its Barclays Global Aggregate excluding Treasury Index benchmark return of 6.9 percent. The Guggenheim Fund, which is St. Paul Teachers' largest fixed income fund, returned 8.9 percent, exceeding the custom benchmark return of 6.5 percent for the Barclays U.S. Aggregate plus 50 basis points. The Brandywine and T. Rowe Price Funds returned 6.3 percent and 2.4 percent, respectively. St. Paul Teachers' also held investments in the Allianz Cash Overlay Account, which returned 4.7 percent. Fixed-income investments made up 20.2 percent of the total portfolio, after accounting for 18.7 percent of the portfolio in 2013.

St. Paul Teachers' international equity portfolio returned negative 5.5 percent. During 2014, St. Paul Teachers' liquidated three international equity funds. In February 2014, St. Paul Teachers' liquidated its holding in JP Morgan and Morgan Stanley. In March 2014, St. Paul Teachers' liquidated its holding in Capital International. In February 2014, St. Paul Teachers' invested in the SBI International Equity Fund. The SBI International Equity Fund returned a negative 4.0 percent, failing to match its benchmark rate of return of negative 3.4 percent. International equity investments made up 9.5 percent of the total portfolio, after accounting for 9.1 percent of the portfolio in 2013.

Global equity investments for St. Paul Teachers' returned 3.2 percent. In April 2014, St. Paul Teachers' liquidated its holding in the Lazard Thematic Global Fund. Morgan Stanley's Global Franchise Fund and JP Morgan's Focus Fund returned 4.8 percent and 3.5 percent, respectively. Both funds are compared to the MSCI World Index benchmark, which returned 5.5 percent in 2014. The Lazard Global Discounted Assets Fund returned a negative 0.8 percent in 2014, fell short of the benchmark MSCI ACW Index return of 4.7 percent.

Real estate holdings for St. Paul Teachers' returned 12.5 percent, as calculated by the OSA, compared to its NCREIF Fund Index (NFI) Open End Diversified Core Equity (ODCE) (net) Index benchmark return of 11.5 percent. The UBS Trumbull Fund returned 10.5 percent in 2014, underperforming the NFI ODCE (net) Index benchmark return of 11.5 percent. The UBS Trumbull Growth and Income Fund returned 13.9 percent in 2014, outperforming the NCREIF Property benchmark of 11.8 percent for the same period. The Tortoise MLP Fund returned 15.7 percent in 2014, outperforming the Alerian MLP benchmark return of 4.8 percent. In June 2014, St. Paul Teachers' began investing in Dune Private Equity Real Estate. For the last quarter of 2014, Dune returned 7.2 percent.

Prior to 2013, alternative investments and private equity investments held by St. Paul Teachers' were combined for reporting purposes. Beginning with the 2013 reporting year, private equity and alternative investments were separated into their own assets classes. Private equity investments returned 3.8 percent in 2014, as calculated by the OSA. Private equity investments included funds managed by RWI Group, North Sky Capital, and Franklin Park. St. Paul Teachers' uses the Russell 3000 +3 percent as a benchmark for its private equity funds. The 2014 benchmark rate of return was 15.9 percent.

St. Paul Teachers' alternative investments portfolio consisted of the Waddell and Reed High Yield Fund. The fund returned 3.1 percent in 2014, outperforming the BofA Merrill Lynch U.S. High Yield Master II Constrained Index return of 2.5 percent.

St. Paul Teachers' cash portfolio returned 7.9 percent. The cash portfolio includes a cash overlay account managed by the Clifton Group. The cash overlay account overlaid equity returns on cash, contributing to the strong rate of return for the cash portfolio.

St. Paul Teachers' U.S. Treasury Bills portfolio consisted of the Clifton Group Treasury Inflation Protected Securities (TIPS) Fund. The fund returned 3.9 percent.

State Board of Investment

The State Board of Investment (SBI) was established by Article XI of the Minnesota Constitution to invest state funds. The SBI is responsible for the investment management of various retirement funds, trust funds, and cash accounts. Its membership, as specified in the Constitution, is comprised of the Governor (who is designated as chair of the Board), the State Auditor, the Secretary of State, and the State Attorney General. All investments undertaken by the SBI are governed by the prudent person rule and other standards codified in Minnesota Statutes, Chapter 11A and Chapter 356A.

The SBI's Combined Funds returned 8.6 percent in 2014, falling short of its benchmark return of 8.8 percent. The SBI's domestic-equity and international-equity asset classes failed to reach their respective benchmarks.

The SBI's domestic equity portfolio returned 12.3 percent, which was below the benchmark Russell 3000 Index return of 12.6 percent. The portfolio is managed by 15 active money managers, 4 semi-passive managers, and 1 passive manager. Each active manager is expected to add value over the long run relative to the Russell Style Index which reflects its investment approach or style. The semi-passive managers are expected to add incremental value relative to the Russell 1000 Index, employing a strategy that more closely tracks the benchmark than that of the active managers. The passive manager consistently tracks the Russell 3000 Index.

The fixed-income portfolio of the SBI returned 6.1 percent for the year, compared to the 6.0 percent benchmark return of the Barclays Capital Aggregate Index. An 18.0 percent allocation to fixed income is provided for in the SBI's investment policy, and the fixed-income portfolio made up 23.6 percent of the SBI's total assets at the end of the year. The SBI targets no more than half of the fixed-income portfolio for active management, while having at least half managed semi-passively. The objective of the five active managers is to outperform the Barclays Capital Aggregate Index by focusing on high quality fixed-income securities across all sectors of the market. The three semi-passive managers have the goal of adding incremental value through superior bond selection and sector allocation rather than through interest rate exposure.

The SBI's international equity portfolio returned a negative 4.0 percent, failing to outperform its benchmark MSCI ACW Index ex. U.S. return of negative 3.9 percent. The SBI allocates 15.0 percent to international equities in its investment policy, and at year-end, international equities accounted for 14.2 percent of the total assets. The SBI's international equity portfolio has eight active managers, three semi-passive managers, and one passive manager. Six of the eight active managers and the three semi-passive managers invest entirely in developed markets. The remaining two active managers invest solely in emerging markets. SBI's target is to have at least one-third of the portfolio managed actively, no more than one-third managed semi-passively, and at least one-quarter managed passively.

The alternative investments of the SBI returned 18.0 percent in 2014. The actual rate of return is used as the benchmark for this asset class. A target allocation of 20.0 percent is established in the investment policy, with an actual allocation of 12.7 percent to alternative investments at the end of 2014. The majority of the portfolio is allocated to private equity, with assets also being held in yield-oriented investments, resource investments, and real estate.

University of Minnesota Supplemental Benefits Plan

The University of Minnesota Supplemental Benefits Plan is a University-funded defined-benefit plan designed to provide additional retirement benefits for certain groups of individuals.[5] As of July 1, 2014, the plan had 4 active members and 128 retirees and survivors who were receiving or were entitled to receive benefits. No additional participants in the plan are expected, as the eligible population is a closed group.

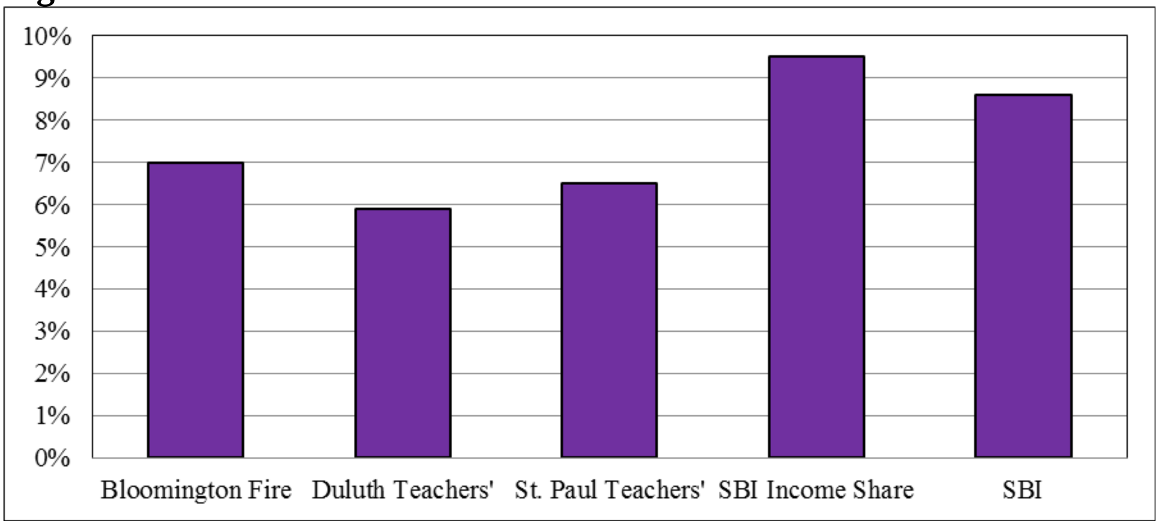
The Supplemental Benefits Plan is invested in the University of Minnesota Group Income Pool (GIP). The GIP is invested in a diversified bond fund, which is measured against the Barclays Capital Aggregate Index (after taxes and un-hedged). The Barclays Capital Aggregate Index returned 6.0 percent during 2014. The GIP returned 7.7 percent during the same period. The Supplemental Benefits Plan had a rate of return of 3.1 percent for 2014, as calculated by the OSA. The rate of return calculated by the OSA was for the Supplemental Benefits Plan only, and not for the entire GIP.

Beginning Market Value	$1,702,737
Net Cash Flows	$(339,425)
Investment Returns	$60,690
Ending Market Value	$1,424,002
OSA One-Year Rate of Return	3.1%
OSA Three-Year Rate of Return	4.8%
Group Income Pool One-Year Rate of Return	7.7%
Benchmark Rate of Return	6.0%

[5] Plan and membership information was obtained from the University of Minnesota Supplemental Benefits Plan July 1, 2014, Actuarial Valuation, and from the Supplemental Benefits Plan Administrative Policy.

Figure 2 below shows the 2014 rates of return for the large plans and the SBI.

Figure 2: 2014 Rates of Return



Funding Ratios

Funding ratios show the relationship between a plan's assets and its liabilities. A funding ratio below 100 percent means the plan does not have a surplus and has unfunded actuarial accrued liabilities.[6] A plan's liabilities are calculated by an actuary using statutory assumptions based on historical data. Examining the ratio between assets and liabilities can help determine how well funded the plan is, whether additional contributions to the plan will be needed, and whether future benefit increases would be sustainable. Investment returns, contributions, actuarial assumptions, plan provisions, changes in benefit levels, and historical funding issues are all factors that affect the financial health of the plan.

The funding ratios provided in this report are calculated based on each plan's fiscal year. Bloomington Fire has a December 31 fiscal year-end, while Duluth Teachers' and St. Paul Teachers' have a June 30 fiscal year-end.

Bloomington Fire's funding ratio increased 2.7 percent during 2014. Bloomington Fire was the highest-funded large public pension plan, with a funding ratio of 113.7 percent. Because the assets of Bloomington Fire are not smoothed, the funding ratio is subject to greater volatility than the other large plans.[7] Actuarial smoothing evens out the effect of short-term volatility in the market value of assets.

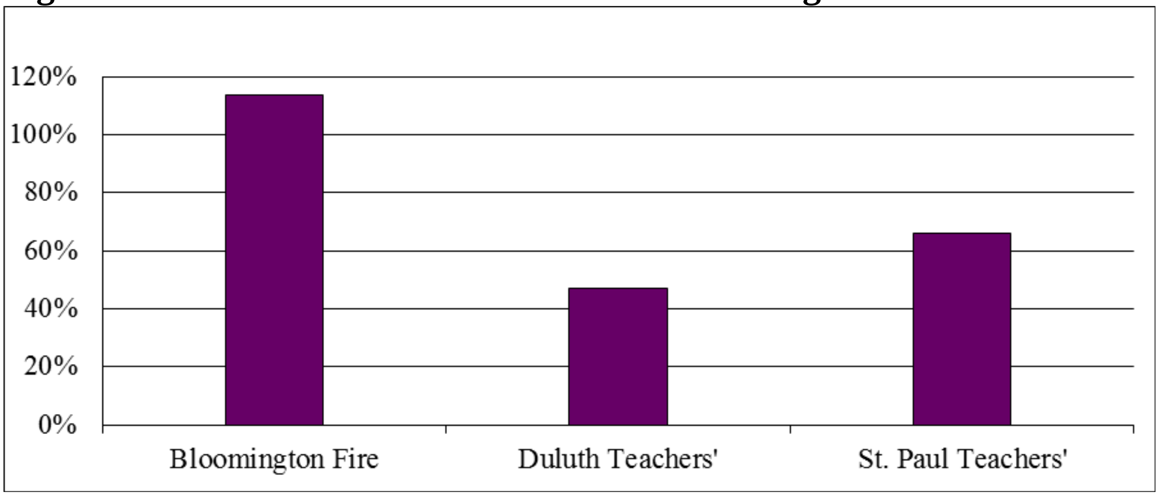
Duluth Teachers' funding ratio decreased 7.2 percent, for a funding ratio of 46.8 percent. Duluth Teachers' unfunded actuarial accrued liability amount was $256.9 million. It is important to note that Duluth Teachers' merged with the Teachers Retirement Association on June 30, 2015.

St. Paul Teachers' funding ratio increased by 5.7 percent to 66.1 percent. Its unfunded actuarial accrued liability was $535.8 million.

Figure 3 on the next page illustrates the funded ratios for the large plans.

[6] The unfunded actuarial accrued liability is the difference between the present value of benefits estimated to be payable to plan members as a result of their service through the valuation date and the actuarial value of plan assets available to pay those benefits.
[7] The other large plans included in this report have statutorily-required five-year asset-smoothing actuarial valuation of assets. *See* Minn. Stat. § 356.215, subd. 1(f).

Figure 3: Fiscal Year 2014 Funded Ratio Percentage



Administrative Expenses

Pension plans are permitted by state law to pay certain administrative expenses out of the pension plan's assets. These expenses include staff salaries, legal fees, professional services (including audit and actuarial fees), and other items such as travel, postage, and printing. It is important to limit expenses to those that are necessary and reasonable while still maintaining a well-managed pension plan.

The administrative expenses provided in this report are calculated based on each plan's fiscal year.

St. Paul Teachers', the largest plan, spent the most on administrative expenses, totaling $738,606, a 1.7 percent decrease from 2013. Duluth Teachers', the next largest plan, spent $661,653 on administrative expenses, which was a 23.2 percent increase from the previous year. The increase in administrative expenses was due to Duluth Teachers' pending merger with the Teachers Retirement Association.

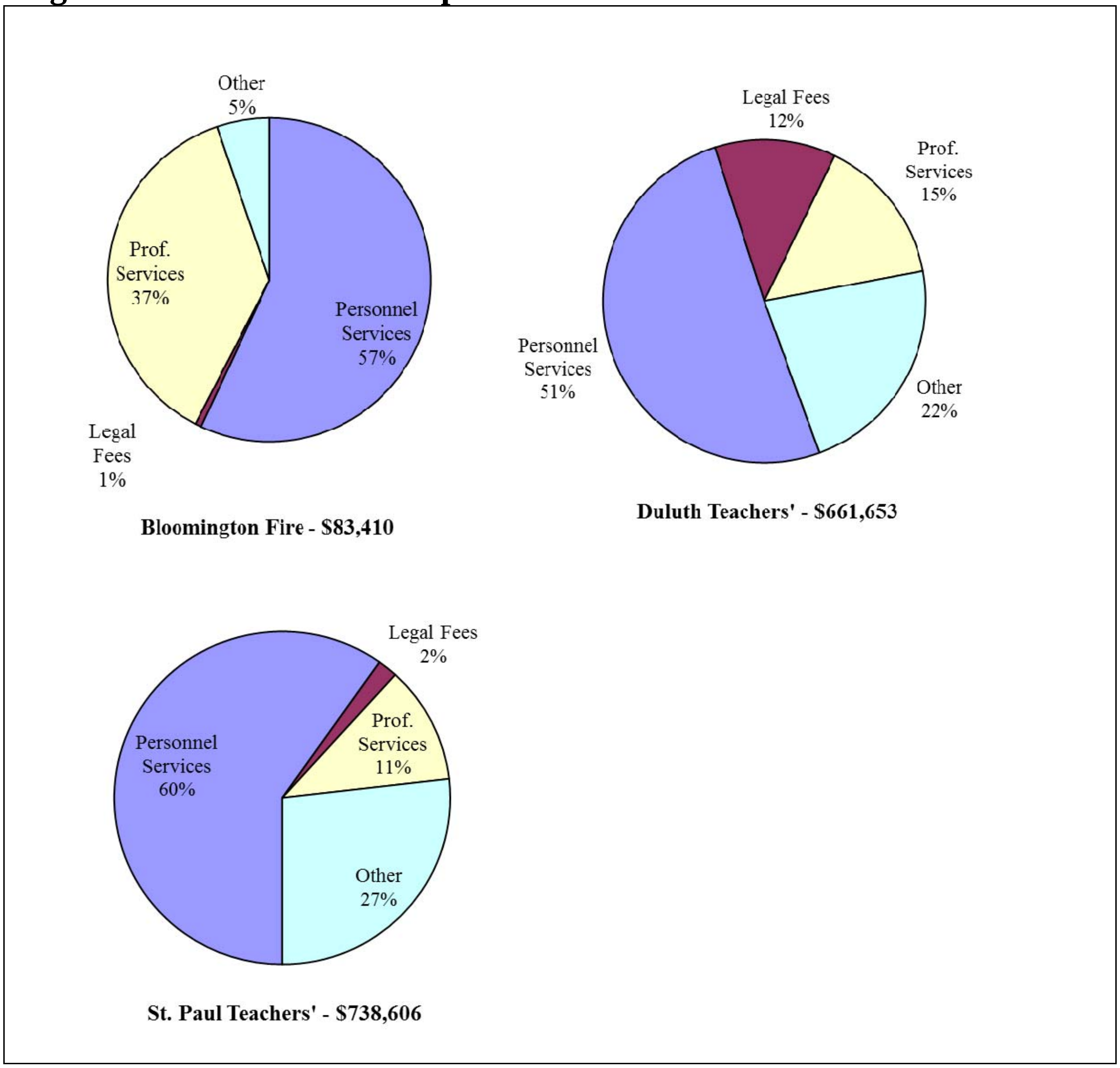
Bloomington Fire had the lowest total administrative expenses of the plans at $83,410. Bloomington Fire, the smallest plan, saw a decrease in its administrative expenses from the previous year by 11.8 percent.

Employee salaries made up the largest portion of administrative expenses paid by the plans in 2014. Employee salaries include payroll expenses, plus insurance and benefits for the employees. St. Paul Teachers' paid $441,934 in employee salaries in 2014. This was a decrease of 12.7 percent in the amount paid from the previous year. Duluth Teachers' paid $334,811 in employee salaries during the fiscal year ending June 30, 2014. This was a 37.9 percent increase over the amount paid in 2013. Bloomington Fire paid $47,501 in employee salaries during 2014, which was a 2.0 percent increase over the amount spent in 2013.

Total administrative expenses on a per-member basis remained fairly constant for each of the plans during 2014 and have remained fairly constant over the past ten years.[8] Figure 4 on the next page provides further detail on administrative expenses.

[8] *See* Table 14 on page 46 of this report.

Figure 4: Administrative Expenses for Fiscal Year 2014



Ten-Year Performance Analysis

The rates of return over the last ten years have remained fairly constant in spite of two years of limited or negative growth in 2008 and 2011. Domestic equity, as measured by the Russell 3000 Index, posted positive returns during eight of the ten years. This ten-year period will allow us to measure the performance of Minnesota's large plans during a period of volatility.

The investment returns of Minnesota's large plans over the ten-year period ending December 31, 2014, can be assessed by using market indices as benchmarks. The U.S. stock market, as measured by the Russell 3000 Index, returned 7.9 percent over the ten-year period. Domestic equity represented the largest asset allocation for each of the large plans.

International equity, as measured by the MSCI EAFE Index, averaged 4.4 percent annually over the ten-year period.

The average bond market return over the ten-year period was 4.7 percent, as measured by the Barclays Capital Aggregate Index.

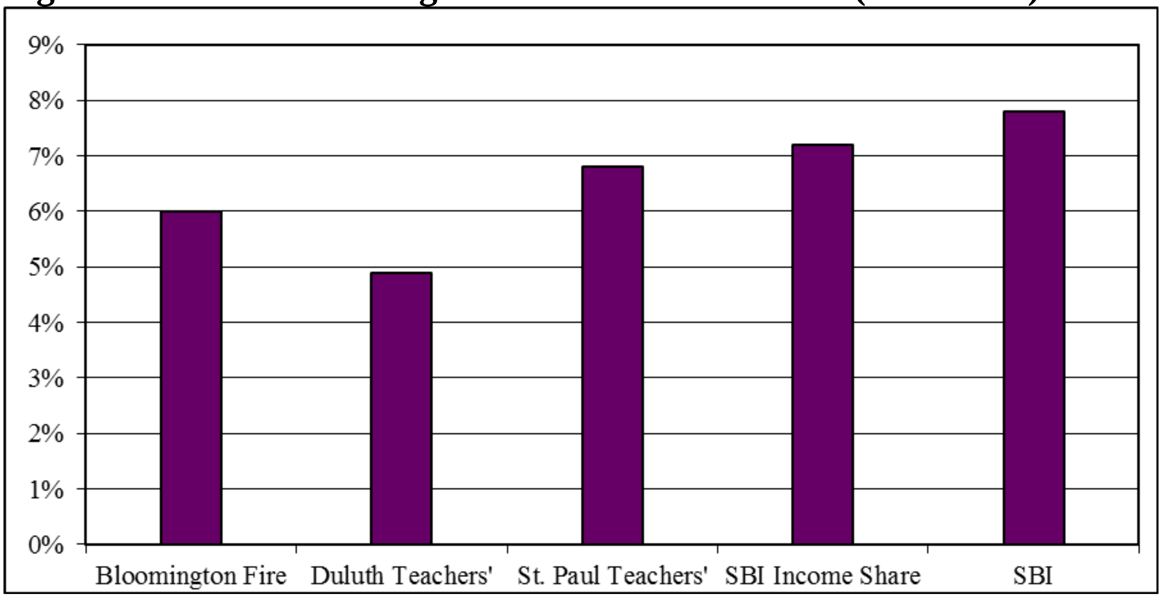
An example of a return that was calculated over the ten-year period is the SBI's Income Share Account. The target asset allocations for this account were 60.0 percent domestic equities, 35.0 percent bonds, and 5.0 percent cash. The stock component of this account is indexed to the Russell 3000 Index. The bond portion of this account is actively managed and includes corporate bonds, mortgage securities, and government-issued bonds. The Income Share Account represents a balanced fund. Over time, this account is expected to average higher rates of return than a fixed-income or money market account. The Income Share Account's average annual rate of return for the ten-year period was 7.2 percent. Bloomington Fire, Duluth Teachers', and St. Paul Teachers' did not meet the Income Share Account ten-year rate of return.

Of the large public pension plans, the top performing plan over the ten-year period was St. Paul Teachers', averaging a 6.8 percent annual rate of return. For comparison purposes, the SBI had a ten-year return of 7.8 percent.[9] Duluth Teachers' had a 4.9 percent rate of return over the ten-year period. Bloomington Fire had a ten-year return of 6.0 percent. Bloomington Fire's actuarial assumed rate of return of 6.0 percent is lower than the actuarial assumed rate of return for the other large plans, so Bloomington Fire's ten-year return matches its different investment and risk objectives. Bloomington Fire was the only plan to meet its actuarial assumed average annual rates of return over the ten-year period.

[9] The SBI's basic and post funds were consolidated in 2009.

Figure 5 below shows the ten-year average annual rates of return for the large plans and for the SBI.

Figure 5: Ten-Year Average Annual Rates of Return (2005-2014)



2014 Plan Summaries

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How to Read the Plan Summaries

The plan summaries on pages 27 through 30 of this report contain various acronyms and investment terms that are defined below.

Rates of Return (ROR)

- **OSA One-Year ROR** - The pension plan's total return on its assets, as calculated by the OSA. *Note: Under State law, the SBI submits only limited reporting information. The rates of return for the SBI are provided by the SBI and are not re-calculated by the OSA.*

- **Plan One-Year ROR** - The pension plan's return on its assets as calculated by the plan or its consultant.

- **Benchmark ROR** - The rate of return of a hypothetical portfolio invested in the plan's chosen benchmark components in the percentages dictated by the plan's investment policy. Although not perfect, it is a good measure of what return the plan could have achieved during the year.

- **Actuarial Assumed ROR** - The rate of return required for the plan to meet its actuarial assumptions.

- **Three-, Five-, and Ten-Year ROR** - The average annual returns earned by the plan over the specified time period, either calculated by the OSA or reported by the plan. *Note: Under State law, the SBI submits only limited reporting information. The rates of return for the SBI are provided by the SBI and are not re-calculated by the OSA.*

Asset Class

Asset class is a group of similar investments, such as domestic equity, bonds, cash, or alternative investments. Pension plans invest in different asset classes for diversification purposes. When returns for one asset class decline, another may increase, offsetting the loss. In this report, any account or fund that holds investments from more than one asset class is reported as its own asset class.

Benchmark Components and Rates of Return

Benchmark components are the different indices to which the plan compares its investments. Indices track different asset classes, such as domestic equity or bonds. They may also track subsets of an asset class. To evaluate investment performance, it is important to use appropriate indices. The rates of return for each benchmark component are also provided.

Policy Asset Allocation

Policy asset allocation is the percentage allocated to each asset class in the investment policy.

Actual Asset Allocation

Actual asset allocation is the percentage actually invested in each asset class. In the plan summaries that follow, the actual asset allocation is measured as of the year-end.

Beginning Market Value/Ending Market Value

The market value is the price as determined by buyers and sellers in an open market. The dollar amount in the asset class or investment as of the beginning/end of 2014 is the beginning market value/ending market value.

Net Cash Flows

Net cash flows are the net amount of cash (or securities) deposited or withdrawn from the asset class or investment during the year.

Investment Return

Investment return is the net amount of interest, dividends, and appreciation or depreciation the asset class or investment gained or lost during the year.

Rate of Return

Rate of return is the net (after fees) return of the asset class or investment during the year.

Bloomington Fire Department Relief Association

For theYear Ended December 31, 2014

(Dollars in Thousands)

Rates of Return (ROR)	
OSA One-Year ROR	7.0 %
Plan One-Year ROR	7.0 %
Benchmark ROR	9.4 %
Actuarial Assumed ROR	6.0 %
OSA Three-Year ROR	12.8 %
OSA Five-Year ROR	10.2 %
OSA Ten-Year ROR	6.0 %

Benchmark Components and Rates of Return	
S&P 500	13.7 %
MSCI World (Net)	4.9 %
Barclays Capital Aggregate	6.0 %
90-Day U.S. Treasury Bill	0.0 %

Policy Asset Allocation	
Stock	50.0 %
International Stock	10.0 %
Bonds	35.0 %
Cash	5.0 %

Actual Asset Allocation	
Domestic Equities	54.9 %
International Equities	11.2 %
Fixed Income	23.8 %
Cash	10.1 %

Asset Class	Investment Type	Beginning Market Value	Net Cash Flow (Net of Fees)	Investment Return	Ending Market Value	Rate of Return
Domestic Equities	Domestic Equities	$ 67,464	$ 0	$ 8,389	$ 75,853	12.4 %
International Equities	International Equities	15,253	0	(614)	14,639	(4.0)%
Fixed Income	Fixed Income	23,149	5,000	1,472	29,621	6.1 %
Cash	Cash	21,276	(9,741)	21	11,556	0.1 %
Internally Managed	Balanced	2,475	261	2	2,738	0.2 %
Wells Fargo	Balanced	14,378	3,000	726	18,104	3.6 %
	Total	**$ 143,995**	**$ (1,480)**	**$ 9,996**	**$ 152,511**	

Duluth Teachers' Retirement Fund Association

For the Year Ended December 31, 2014

(Dollars in Thousands)

Rates of Return (ROR)	
OSA One-Year ROR	5.9 %
Benchmark ROR	7.4 %
Actuarial Assumed ROR	8.0 %
OSA Three-Year ROR	13.7 %
OSA Five-Year ROR	9.7 %
OSA Ten-Year ROR	4.9 %

Benchmark Components and Rates of Return	
S&P 500	13.7 %
Barclays Capital Aggregate	6.0 %
MSCI ACWI ex. U.S.	(3.9)%
90-Day U.S. Treasury Bill	0.0 %
NCREIF Property Index	11.8 %
Private Equity *	17.0 %
Opportunistic *	10.2 %

Policy Asset Allocation	
Domestic Equities	33.0 %
Fixed Income	17.0 %
International Equities	25.0 %
Cash	3.0 %
Real Assets	10.0 %
Private Equity	7.0 %
Opportunistic	5.0 %

Actual Asset Allocation	
Domestic Equities	20.9 %
Fixed Income	0.0 %
International Equities	0.0 %
Cash	2.4 %
Real Assets	0.0 %
Private Equity	10.3 %
Opportunistic	6.8 %
State Board of Investment	59.1 %
Securities Lending-Holding	0.5 %

Asset Class	Investment Type	Beginning Market Value	Net Cash Flow (Net of Fees)	Investment Return	Ending Market Value	Rate of Return
Domestic Equities	Domestic Equities	$ 83,189	$ (38,751)	$ 5,259	$ 49,697	8.2 %
Fixed Income	Fixed Income	35,479	(37,604)	2,206	81	5.5 %
International Equities	International Equities	57,213	(57,259)	46	0	(3.3)%
Cash	Cash	3,637	2,118	0	5,755	0.0 %
Real Estate	Real Estate	1,475	(1,694)	219	0	14.9 %
Private Equity	Private Equity	23,911	(3,384)	3,887	24,414	17.0 %
Opportunistic	Opportunistic	18,938	(3,992)	1,326	16,272	10.2 %
State Board of Investment	Balanced	0	135,704	4,798	140,502	6.3 %
Securities Lending-Holding	Securities Lending-Holding	0	1,500	(421)	1,079	(39.0)%
	Total	**$ 223,842**	**$ (3,362)**	**$ 17,320**	**$ 237,800**	

*The actual rate of return is used as the benchmark for Private Equity and Opportunistic.

St. Paul Teachers' Retirement Fund Association

Year Ending December 31, 2014

(Dollars in Thousands)

Rates of Return (ROR)	
OSA One-Year ROR	6.5 %
Plan One-Year ROR	6.3 %
Benchmark ROR	5.6 %
Actuarial Assumed ROR	8.0 %
OSA Three-Year ROR	12.6 %
OSA Five-Year ROR	10.0 %
OSA Ten-Year ROR	6.8 %

Benchmark Components and Rates of Return	
MSCI All Contry World	4.7 %
Barclays Global Agg. ex. Treasury	6.9 %
NFI ODCE (net)	11.5 %
Russell 3000 +3%	15.9 %
HFRI FOF Composite Index	3.4 %

Policy Asset Allocation	
Global/Domestic Equity	55.0 %
Global/Domestic Fixed Income	20.0 %
Inflation Hedged/Real Assets	11.0 %
Private Equity/Alternatives	9.0 %
Opportunistic	5.0 %

Actual Asset Allocation	
Domestic Equities	43.4 %
Domestic Fixed Income	20.2 %
Real Estate	7.6 %
International Equities	9.5 %
Global Equities	12.4 %
Alternative Assets	1.6 %
Private Equity	2.1 %
Cash	1.4 %
Treasury Bills	1.8 %

Asset Class	Investment Type	Beginning Market Value	Net Cash Flow (Net of Fees)	Investment Return	Ending Market Value	Rate of Return
Domestic Equities	Domestic Equities	$ 437,823	$ (34,836)	$ 40,621	$ 443,608	10.3 %
Domestic Fixed Income	Domestic Fixed Income	189,850	5,000	11,980	206,830	6.2 %
Real Estate	Real Estate	69,274	(296)	8,743	77,721	12.5 %
International Equities	International Equities	92,427	11,189	(6,318)	97,298	(5.5)%
Global Equities	Global Equities	152,934	(30,510)	4,325	126,749	3.2 %
Alternatives	Alternative Assets	26,495	(11,290)	1,001	16,206	3.1 %
Private Equities	Private Equities	15,348	6,071	522	21,941	3.8 %
Cash	Cash	13,360	(1,318)	2,001	14,043	7.9 %
Treasury Bills	Treasury Bills	18,094	0	709	18,803	3.9 %
	Total	**$ 1,015,605**	**$ (55,990)**	**$ 63,584**	**$ 1,023,199**	

State Board of Investment

For the Year Ended December 31, 2014

(Dollars in Thousands)

Rates of Return (ROR)	
Plan One-Year ROR	8.6 %
Benchmark ROR	8.8 %
Actuarial Assumed ROR *	8.0 %
Plan Three-Year ROR	14.1 %
Plan Five-Year ROR	11.5 %
Plan Ten-Year ROR	7.8 %

Benchmark Components and Rates of Return	
Russell 3000	12.6 %
Barclays Capital Aggregate	6.0 %
MSCI ACWI ex. U.S. (Net)	(3.9)%
Alternative Assets [1]	18.0 %
90-Day U.S. Treasury Bill	0.0 %

Policy Asset Allocation	
Domestic Equities	45.0 %
Fixed Income	18.0 %
International Equities	15.0 %
Alternative Assets	20.0 %
Cash	2.0 %

Actual Asset Allocation	
Domestic Equities	47.8 %
Fixed Income	23.6 %
International Equities	14.2 %
Alternative Assets	12.7 %
Cash	1.7 %

Asset Class	Investment Type	Beginning Market Value	Net Cash Flow (Net of Fees)	Investment Return	Ending Market Value	Rate of Return
Domestic Equities	Domestic Equities	$ 27,607,451	$ (2,110,226)	$ 3,141,354	$ 28,638,579	12.3 %
Fixed Income	Fixed Income	12,084,242	1,239,181	815,925	14,139,348	6.1 %
International Equities	International Equities	8,967,368	(99,687)	(356,554)	8,511,127	(4.0)%
Alternatives	Alternative Assets	7,220,957	(809,105)	1,228,494	7,640,346	18.0 %
Cash & Disbursement Account	Cash	1,179,766	(287,144)	1,516	894,138	0.2 %
Cash - CD Repo	Cash	75,210	66,908	221	142,339	0.2 %
	Total	**$ 57,134,994**	**$ (2,000,073)**	**$ 4,830,956**	**$ 59,965,877**	

[1] The actual rate of return is used as the benchmark for Alternative Assets.

* The actuarial assumed rate of return for TRA at the end of December 2014 was calculated using Select and Ultimate rates of return (8.0% for five years beginning July 1, 2012, and 8.5% thereafter). The actuarial assumed rates of return for the other plans for which the SBI invests were 8.0%.

2014 Appendix

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Table 1

Historical Rates of Return

For Calendar Years 2005 to 2014

<table>
<tr><th>Public Pension Plans</th><th>2005</th><th>2006</th><th>2007</th><th>2008</th><th>2009</th><th>2010</th><th>2011</th><th>2012</th><th>2013</th><th>2014</th></tr>
<tr><td>Bloomington Fire</td><td>4.7 %</td><td>13.0 %</td><td>6.9 %</td><td>(25.2)%</td><td>15.6 %</td><td>13.0 %</td><td>0.3 %</td><td>12.6 %</td><td>19.2 %</td><td>7.0 %</td></tr>
<tr><td>Duluth Teachers'</td><td>7.6 %</td><td>14.7 %</td><td>6.6 %</td><td>(35.1)%</td><td>19.2 %</td><td>16.0 %</td><td>(0.7)%</td><td>15.0 %</td><td>20.7 %</td><td>5.9 %</td></tr>
<tr><td>St. Paul Teachers'</td><td>9.9 %</td><td>15.6 %</td><td>8.1%</td><td>(28.2)%</td><td>22.4 %</td><td>13.7 %</td><td>(0.6)%</td><td>12.5 %</td><td>19.2 %</td><td>6.5 %</td></tr>
<tr><td>SBI Basic Fund</td><td>10.2 %</td><td>14.7 %</td><td>9.7%</td><td>(26.1)%</td><td rowspan="2">20.3 %[1]</td><td rowspan="2">14.4 %</td><td rowspan="2">1.5 %</td><td rowspan="2">13.7 %</td><td rowspan="2">20.2 %</td><td rowspan="2">8.6 %</td></tr>
<tr><td>SBI Post Fund</td><td>9.6 %</td><td>14.5 %</td><td>9.2%</td><td>(26.2)%</td></tr>
</table>

[1] The SBI Basic and Post Funds were combined in 2009.

Table 2

State of Minnesota Contributions

For Fiscal Years 2005 to 2014

Public Pension Plans	2005	2006	2007	2008	2009
Bloomington Fire (12/31)	$ 585,966	$ 606,454	$ 517,023	$ 439,902	$ 372,096
Duluth Teachers' (6/30)	0	0	0	0	346,000
St. Paul Teachers' (6/30)	3,397,761	3,399,761	3,651,216	3,509,320	3,343,013
Total	**$ 3,983,727**	**$ 4,006,215**	**$ 4,168,239**	**$ 3,949,222**	**$ 4,061,109**

Public Pension Plans	2010	2011	2012	2013	2014
Bloomington Fire (12/31)	$ 380,275	$ 356,741	$ 361,567	$ 401,714	$ 0 [1]
Duluth Teachers' (6/30)	760,000	659,000	553,710	346,000	6,555,402
St. Paul Teachers' (6/30)	4,108,442	4,077,140	3,657,839	3,664,607	10,664,607
Total	**$ 5,248,717**	**$ 5,092,881**	**$ 4,573,116**	**$ 4,412,321**	**$ 17,220,009**

Note: This table includes any amount from the State of Minnesota regardless of where it is reported in the financial statements (e.g., as part of Employer Contributions).

[1] Bloomington Fire received $622,164 in aid from the State of Minnesota during 2014. Because the state aid is not paid directly to the pension plan, it is not considered a nonemployer contribution pursuant to GASB Statement 68. Instead, the state aid is considered a contribution from the City of Bloomington and is included in Table 3.

Table 3

Employer Contributions

For Fiscal Years 2005 to 2014

Public Pension Plans	2005	2006	2007	2008	2009
Bloomington Fire (12/31)	$ 1,576,139	$ 841,138	$ 0	$ 0	$ 0
Duluth Teachers' (6/30)	2,845,684	2,867,299	2,940,697	2,994,086	2,954,026
St. Paul Teachers' (6/30)	20,435,230	20,615,130	20,466,200	20,775,392	21,501,237
Total	**$ 24,857,053**	**$ 24,323,567**	**$ 23,406,897**	**$ 23,769,478**	**$ 24,455,263**

Public Pension Plans	2010	2011	2012	2013	2014
Bloomington Fire (12/31)	$ 3,245,667	$ 3,129,651	$ 1,852,639	$ 1,911,112	$ 3,170,255
Duluth Teachers' (6/30)	2,866,150	2,798,027	2,878,549	3,013,717	3,133,292
St. Paul Teachers' (6/30)	21,107,889	21,013,360	21,451,545	22,779,713	24,531,933
Total	**$ 27,219,706**	**$ 26,941,038**	**$ 26,182,733**	**$ 27,704,542**	**$ 30,835,480**

Note: This table includes all city contributions where the city is the employer. The Employer Contributions are calculated by adding the employer regular and special contributions together. Some of the above entities include State of Minnesota contributions as Employer Contributions for financial reporting purposes, but they have been removed for purposes of this table.

Table 4

Employee Contributions

For Fiscal Years 2005 to 2014

Public Pension Plans	**2005**	**2006**	**2007**	**2008**	**2009**
Bloomington Fire (12/31)	$ 0	$ 0	$ 0	$ 0	$ 0
Duluth Teachers' (6/30)	2,924,264	3,030,418	2,978,435	2,954,062	2,927,260
St. Paul Teachers' (6/30)	13,586,719	13,453,021	13,438,323	13,642,161	13,863,565
Total	**$ 16,510,983**	**$ 16,483,439**	**$ 16,416,758**	**$ 16,596,223**	**$ 16,790,825**

Public Pension Plans	**2010**	**2011**	**2012**	**2013**	**2014**
Bloomington Fire (12/31)	$ 0	$ 0	$ 0	$ 0	$ 0
Duluth Teachers' (6/30)	2,899,071	2,779,703	2,888,242	3,050,990	3,160,794
St. Paul Teachers' (6/30)	13,831,670	13,745,038	14,117,481	15,163,538	16,563,972
Total	**$ 16,730,741**	**$ 16,524,741**	**$ 17,005,723**	**$ 18,214,528**	**$ 19,724,766**

Table 5

Average Contribution per Member

For Fiscal Years 2005 to 2014

Public Pension Plans	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Bloomington Fire (12/31)	$ 7,558	$ 4,975	$ 1,673	$ 1,433	$ 1,216	$ 11,927	$ 11,583	$ 7,120	$ 7,160	$ 9,636
Duluth Teachers' (6/30)	1,766	1,817	1,751	1,766	1,843	1,936	1,848	1,884	1,918	3,848
St. Paul Teachers' (6/30)	3,776	3,768	3,774	3,766	3,815	3,842	3,746	3,760	3,893	4,734

Note: This average is calculated by dividing all contributions by the number of members at fiscal year end.

Table 6

Average of Total Annual Benefits per Retired Member/Beneficiary

For Fiscal Years 2005 to 2014

Public Pension Plans	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Bloomington Fire (12/31)	$ 19,744	$ 20,193	$ 20,543	$ 21,612	$ 22,515	$ 22,934	$ 23,533	$ 24,206	$ 24,498	$ 24,422
Duluth Teachers' (6/30)	15,931	16,235	16,517	17,408	18,192	18,311	18,065	17,968	17,782	17,895
St. Paul Teachers' (6/30)	29,349	30,323	30,778	31,502	31,716	31,656	30,582	31,205	30,673	30,276

Note: Beneficiaries include retirees, disabled members, and surviving spouses.

Table 7

Percent Increase in Average of Total Benefits per Retired Member/Beneficiary and the Consumer Price Index

For Fiscal Years 2005 to 2014

Public Pension Plans	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**
Consumer Price Index	*3.40 %*	*3.20 %*	*2.90 %*	*3.80 %*	*(0.30)%*	*1.60 %*	*3.20 %*	*2.10 %*	*1.50 %*	*1.60 %*
Bloomington Fire (12/31)	4.57 %	2.27 %	1.74 %	5.20 %	4.18 %	1.86 %	2.61 %	2.86 %	1.21 %	*(0.31)%*
Duluth Teachers' (6/30)	4.06 %	1.91 %	1.74 %	5.40 %	4.50 %	0.65 %	(1.34)%	(0.54)%	(1.04)%	0.64 %
St. Paul Teachers' (6/30)	0.60 %	3.32 %	1.50 %	2.35 %	0.68 %	(0.19)%	(3.39)%	2.04 %	(1.70)%	(1.29)%

Note: Beneficiaries include retirees, disabled members, and surviving spouses.

Table 8

Funded Ratio Percentage

For Fiscal Years 2005 to 2014

Public Pension Plans	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Bloomington Fire (12/31)	124.16 %	133.93 %	130.94 %	91.28 %	99.01 %	105.41 %	102.66 %	98.66 %	110.95 %	113.69 %
Duluth Teachers' (6/30)	86.40 %	84.10 %	86.80 %	82.10 %	76.55 %	81.66 %	73.22 %	63.40 %	54.00 %	46.81 %
St. Paul Teachers' (6/30)	69.65 %	69.11 %	73.01 %	75.13 %	72.20 %	68.05 %	69.99 %	61.98 %	60.40 %	66.12 %

Note: The Funded Ratio Percentage for fiscal years ending prior to 2014 is calculated by dividing the actuarial value of plan assets by the actuarial accrued liability. For fiscal years 2014 and beyond, the Funded Ratio Percentage is calculated by dividing the total pension liability by the ending net position. This change in calculation was due to the implementation of Governmental Accounting Standards Board Statement No. 67, *Financial Reporting for Pension Plans*, effective for financial statements for periods beginning after June 15, 2013 (i.e. fiscal years ending in 2014).

Table 9

Unfunded Actuarial Accrued Liability (Asset)/Net Pension Liability (Asset)[1]

For Fiscal Years 2005 to 2014

Public Pension Plans	2005	2006	2007	2008	2009
Bloomington Fire (12/31)	$ (20,457,329)	$ (29,632,941)	$ (28,864,471)	$ 8,465,842	$ 990,413
Duluth Teachers' (6/30)	42,443,000	51,303,000	43,952,000	64,977,000	85,555,000
St. Paul Teachers' (6/30)	394,539,000	419,701,000	375,576,000	356,089,000	404,360,000
Total	**$ 416,524,671**	**$ 441,371,059**	**$ 390,663,529**	**$ 429,531,842**	**$ 490,905,413**

Public Pension Plans	2010	2011	2012	2013	2014
Bloomington Fire (12/31)	$ (5,700,134)	$ (2,870,900)	$ 1,665,469	$ (14,169,780)	$ (18,315,400)
Duluth Teachers' (6/30)	57,341,000	85,993,000	119,410,000	162,026,000	256,917,881
St. Paul Teachers' (6/30)	470,186,000	417,157,000	559,286,000	581,054,000	535,792,000
Total	**$ 521,826,866**	**$ 500,279,100**	**$ 680,361,469**	**$ 728,910,220**	**$ 774,394,481**

[1] In accordance with Governmental Accounting Standards Board Statement No. 67, *Financial Reporting for Pension Plans*, effective for financial statements for periods beginning after June 15, 2013 (i.e. fiscal years ending in 2014), the net pension liability (asset) replaces the unfunded actuarial accrued liability (asset).

Table 10

Net Assets/Net Position[1] Held in Trust for Pension Benefits

For Fiscal Years 2005 to 2014

Public Pension Plans	2005	2006	2007	2008	2009
Bloomington Fire (12/31)	$ 105,139,140	$ 116,978,895	$ 122,158,440	$ 88,639,493	$ 98,707,362
Duluth Teachers' (6/30)	267,383,556	281,950,173	318,973,530	271,616,844	179,933,200
St. Paul Teachers' (6/30)	934,667,364	1,005,745,229	1,156,017,206	1,023,639,596	773,258,985
Total	**$ 1,307,190,060**	**$ 1,404,674,297**	**$ 1,597,149,176**	**$ 1,383,895,933**	**$ 1,051,899,547**

Public Pension Plans	2010	2011	2012	2013	2014
Bloomington Fire (12/31)	$ 111,072,465	$ 110,822,777	$ 122,544,916	$ 143,611,691	$ 152,114,148
Duluth Teachers' (6/30)	192,402,546	213,367,995	194,552,931	205,300,543	226,071,060
St. Paul Teachers' (6/30)	815,307,121	950,120,989	881,926,414	933,082,142	1,045,435,289
Total	**$ 1,118,782,132**	**$ 1,274,311,761**	**$ 1,199,024,261**	**$ 1,281,994,376**	**$ 1,423,620,497**

Note: These Net Assets/Net Position only include any net assets/net position that are "Held in Trust for Pension Benefits."

[1] In accordance with Governmental Accounting Standards Board Statement No. 63, *Financial Reporting of Deferred Outflows of Resources, Deferred Inflows of Resources, and Net Position,* effective for financial statements for periods beginning after December 15, 2011, the residual measure is renamed as net position, rather than net assets.

Table 11

Net Assets/Net Position[1] per Member

For Fiscal Years 2005 to 2014

Public Pension Plans	2005	2006	2007	2008	2009
Bloomington Fire (12/31)	$ 363,803	$ 401,989	$ 395,335	$ 288,728	$ 322,573
Duluth Teachers' (6/30)	81,819	86,861	94,371	80,622	53,266
St. Paul Teachers' (6/30)	94,325	101,141	116,171	101,652	76,206

Public Pension Plans	2010	2011	2012	2013	2014
Bloomington Fire (12/31)	$ 365,370	$ 368,182	$ 394,035	$ 444,618	$ 462,353
Duluth Teachers' (6/30)	57,076	63,220	57,989	61,412	67,706
St. Paul Teachers' (6/30)	80,223	91,640	84,540	87,302	95,622

Note: This calculation is the result of dividing the Net Assets Held in Trust for Pension Benefits/Net Position Held in Trust for Pension Benefits by the members at fiscal year-end.

[1] In accordance with Governmental Accounting Standards Board Statement No. 63, *Financial Reporting of Deferred Outflows of Resources, Deferred Inflows of Resources, and Net Position,* effective for financial statements for periods beginning after December 15, 2011, the residual measure is renamed as net position, rather than net assets.

Table 12

Unfundedded Actuarial Accrued Liability/Net Pension Liability (Asset)[1] per Member

For Fiscal Years 2005 to 2014

Public Pension Plans	2005	2006	2007	2008	2009
Bloomington Fire (12/31)	$ (70,787)	$ (101,831)	$ (93,413)	$ 27,576	$ 3,237
Duluth Teachers' (6/30)	12,987	15,805	13,004	19,287	25,327
St. Paul Teachers' (6/30)	39,816	42,206	37,743	35,361	39,850

Public Pension Plans	2010	2011	2012	2013	2014
Bloomington Fire (12/31)	$ (18,750)	$ (9,538)	$ 5,355	$ (43,869)	$ (55,670)
Duluth Teachers' (6/30)	17,010	25,479	35,592	48,467	76,945
St. Paul Teachers' (6/30)	46,264	40,235	53,613	54,365	49,007

[1] This calculation is the result of dividing the Unfunded Actuarial Accrued Liability by the members at fiscal year-end for fiscal years prior to 2014. For fiscal years 2014 and beyond, this calculation is the result of dividing the Net Pension Liability (Asset) by the members at fiscal year-end. This change in calculation was due to the implementation of Governmental Accounting Standards Board Statement No. 67, *Financial Reporting for Pension Plans*, effective for financial statements for periods beginning after June 15, 2013 (i.e. fiscal years ending in 2014).

Table 13

Administrative Expenses

For Fiscal Years 2005 to 2014

Public Pension Plans	2005	2006	2007	2008	2009
Bloomington Fire (12/31)	$ 64,844	$ 71,254	$ 74,683	$ 107,871	$ 77,778
Duluth Teachers' (6/30)	436,507	424,840	456,987	487,944	505,164
St. Paul Teachers' (6/30)	558,574	590,852	695,700	691,157	604,724
Total	**$ 1,059,925**	**$ 1,086,946**	**$ 1,227,370**	**$ 1,286,972**	**$ 1,187,666**

Public Pension Plans	2010	2011	2012	2013	2014
Bloomington Fire (12/31)	$ 75,288	$ 79,771	$ 87,482	$ 94,617	$ 83,410
Duluth Teachers' (6/30)	505,672	497,009	628,923	537,013	661,653
St. Paul Teachers' (6/30)	602,001	722,397	736,446	751,064	738,606
Total	**$ 1,182,961**	**$ 1,299,177**	**$ 1,452,851**	**$ 1,382,694**	**$ 1,483,669**

Table 14

Administrative Expenses per Member

For Fiscal Years 2005 to 2014

Public Pension Plans	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Bloomington Fire (12/31)	$ 224	$ 245	$ 242	$ 351	$ 254	$ 248	$ 265	$ 281	$ 293	$ 254
Duluth Teachers' (6/30)	134	131	135	145	150	150	147	187	161	198
St. Paul Teachers' (6/30)	56	59	70	69	60	59	70	71	70	68

Table 15

Members at Fiscal Year-End

For Fiscal Years 2005 to 2014

Public Pension Plans	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Bloomington Fire (12/31)	289	291	309	307	306	304	301	311	323	329
Duluth Teachers' (6/30)	3,268	3,246	3,380	3,369	3,378	3,371	3,375	3,355	3,343	3,339
St. Paul Teachers' (6/30)	9,909	9,944	9,951	10,070	10,147	10,163	10,368	10,432	10,688	10,933
Total	**13,466**	**13,481**	**13,640**	**13,746**	**13,831**	**13,838**	**14,044**	**14,098**	**14,354**	**14,601**

Note: "Members" is the sum of retired/beneficiary, terminated and active members at fiscal year-end.

Table 16

Members at Fiscal Year-End - Retirees & Beneficiaries Receiving Benefits

For Fiscal Years 2005 to 2014

Public Pension Plans	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**
Bloomington Fire (12/31)	149	151	161	160	163	166	171	174	181	187
Duluth Teachers' (6/30)	1,153	1,190	1,227	1,243	1,264	1,295	1,344	1,386	1,445	1,502
St. Paul Teachers' (6/30)	2,505	2,624	2,738	2,851	2,933	3,044	3,212	3,292	3,404	3,529
Total	**3,807**	**3,965**	**4,126**	**4,254**	**4,360**	**4,505**	**4,727**	**4,852**	**5,030**	**5,218**

Note: Beneficiaries are defined as retirees, disabled members, and surviving spouses.

Table 17

Investment Expenses

For Fiscal Years 2005 to 2014

Public Pension Plans	2005	2006	2007	2008	2009
Bloomington Fire (12/31)	$ 86,305	$ 29,588	$ 17,251	$ 57,751	$ 60,234
Duluth Teachers' (6/30)	1,169,704	1,289,870	1,758,675	1,566,292	1,289,965
St. Paul Teachers' (6/30)	3,422,410	4,609,937	5,064,712	4,767,302	3,635,962
Total	**$ 4,678,419**	**$ 5,929,395**	**$ 6,840,638**	**$ 6,391,345**	**$ 4,986,161**

Public Pension Plans	2010	2011	2012	2013	2014
Bloomington Fire (12/31)	$ 93,871	$ 109,000	$ 122,563	$ 115,426	$ 130,675
Duluth Teachers' (6/30)	1,209,193	1,359,608	1,269,821	1,311,857	1,476,174
St. Paul Teachers' (6/30)	4,594,683	4,483,067	4,148,331	5,063,012	4,503,001
Total	**$ 5,897,747**	**$ 5,951,675**	**$ 5,540,715**	**$ 6,490,295**	**$ 6,109,850**

Note: Investment Expenses excludes securities lending.

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