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## Board of Trustees

An eleven-member Board of Trustees is responsible for general administration of PSRSSTL as well as investment of PSRSSTL assets. The Board of Education appoints four trustees; PSRSSTL members elect seven. Terms of office are four years. Active PSRSSTL members elect five trustees - one administrator, two teachers and two non-teachers. Retired members elect two trustees - one retired teacher and one retired non-teacher. At May 1, 2006, the following individuals served on the Board of Trustees.

## Appointed by the Board of Education

Christina Bennett
Marlene E. Davis
Paulette McKinney
Vincent Schoemehl, Jr.
Elected by Retired Members

## Elected by Active Members

Louis C. Cross, III
Donald L. Glenn, Sr.
Kathryn Lamb
Katha L. McKinney
Cynthia Warren

Joseph Clark
Lois Jean Turner

## Administrative Staff

PSRSSTL employs the administrative staff members listed below.

Executive Director
Publications/LAN Manager
Technology Manager
Accounting Specialist
Insurance Benefits Specialist
Member Services Specialist
Member Services Specialist
Member Services Clerical Assistant

Andrew Clark
James U. Hammond
Thomas Kinealy II
Marty Winters
Beverly Wessels
Angela Johnson
Stephanie L. Johnson
Brenda Buggs

## Professional Advisors

The individuals and firms listed below provide professional services to the Board of Trustees and PSRSSTL Administrative Staff.

Legal Counsel

Investment Advisor

Independent Auditor

Actuary

Jeffrey E. Hartnett Bartley Goffstein, LLC

Doris Ewing
New England Pension Consultants
Thomas S. Helm
Huber, Ring, Helm \& Company
James S. Rubie, Jr.
W. Alfred Hayes \& Company

# PUBLIC SCHOOL RETIREMENT SYSTEM <br> OF THE CITY OF ST. LOUIS <br> ONE U.S. BANK PLAZA, SUITE 2510 <br> ST. LOUIS, MO 63101-1657 

OFFICE OF THE
PHONE: (314) 241-7763
EXECUTIVE DIRECTOR
FAX: (314) 241-1806
May, 2006

On behalf of the Board of Trustees, I am pleased to present the Annual Report of the Public School Retirement System of the City of St. Louis (PSRSSTL) for the fiscal year ended December 31, 2005. This report provides financial, investment, actuarial and statistical information about PSRSSTL.

PSRSSTL management is responsible for the contents and presentation of material in this report. To the best of our knowledge, we believe the information in this report is accurate in all material respects. We also believe the information is presented in a manner that fairly represents the status of PSRSSTL.

## The Year in Review

During 2005, we processed 304 new retirements and 177 applications for Supplemental Pension Benefits under the Sick Leave Conversion Program sponsored by St. Louis Public Schools. In addition, we processed more than 1,183 distributions for members who left PSRSSTL and we extended a hearty welcome to 507 new members.

## Financial Summary

PSRSSTL management is responsible for maintaining appropriate internal accounting and procedural controls. These controls provide reasonable assurance that PSRSSTL assets are protected from loss due to unauthorized use or disposition, that financial transactions are executed in accordance with proper authorization, and that transactions are recorded accurately to facilitate the annual preparation of audited financial statements.

Huber, Ring, Helm \& Co., an independent accounting firm, audited PSRSSTL financial statements for the year ended December 31, 2005. This Annual Report contains those audited financial statements in their entirety. Summary financial information is provided as follows.

Net Assets as of 12-31-2004
Additions

| Employer Contributions | $23,514,266$ |
| :--- | :--- |
| Member Contributions | $10,515,674$ |
| Net Investment Income (Loss) | $63,349,054$ |

Deductions
Benefits Paid to Members
76,653,091
Refunds Paid to Members
Administrative Expenses
18,067,968

Net Assets as of 12-31-2005
\$1,061,478,889

Additions and deductions from the fund are presented graphically below.


## Investment Performance

Proper asset allocation is important for controlling volatility and increasing the probability of favorable long-term investment returns. Members entrust its Board of Trustees with making vital decisions to properly allocate and diversify the Plan investments among different asset classes.
As of December 31, 2005, PSRSSTL assets were broadly diversified as follows.

| Domestic Equities | $40.9 \%$ |
| :--- | ---: |
| International Equities | $16.6 \%$ |
| Domestic Fixed Income | $15.2 \%$ |
| Global Fixed Income | $9.1 \%$ |
| Cash | $\underline{3.7 \%}$ |


| Financial Composite | $85.5 \%$ |
| :--- | ---: |
| Real Estate Investments | $4.6 \%$ |
| Market Neutral | $3.9 \%$ |
| Hedge Funds | $5.3 \%$ |
| Alternative Investments | $\mathbf{0 . 7 \%}$ |
| Portfolio | $100 \%$ |



The return on PSRSSTL investments was $6.9 \%$ for fiscal year 2005 and $12.0 \%$ for fiscal year 2004. Returns are attributed to the performance of financial markets, conscientious re-balancing of the portfolio to maintain the PSRSSTL Asset Allocation Policy, and active management by the Board of Trustees in retaining quality investment managers while focusing on longterm PSRSSTL investment objectives.

During 2005, the Core-S\&P 500 increased $2.1 \%$ in the fourth quarter, capping off at $4.9 \%$ for the year. The Russell 2000 Growth Index was up $1.6 \%$ the fourth quarter and finished at $4.1 \%$ for the year.

Overall, financial markets posted positive results in the last quarter of 2005. Domestic equity markets rose modestly, capping off three consecutive years of gain. PSRSSTL domestic bonds were up $2.9 \%$ in 2005 with a $6.8 \%$ return over the 5 -year period.

In contrast, for year ending 2005, the Lehman Aggregate Bond Index rose 2.4\% and the Citigroup High Yield Bond rose $2.1 \%$.

International stock markets performed well for the year with the MSCI EAFE (the benchmark for international equities) and MSCI Emerging Market Indices posting returns of $13.5 \%$ and $34.1 \%$ respectively for 2005. Citigroup World Government Global Bonds Index performed unsatisfactorily during the fourth quarter which contributed to an overall loss of $-6.9 \%$ for the year.
Notwithstanding, the well-diversified PSRSSTL portfolio allowed for a favorable investment year. Over a threeyear period ending December 2005, the PSRSSTL portfolio returned $13.7 \%$, ranking in the top $38 \%$ of public pension systems.
Focusing on the long-term PSRSSTL investment horizon, for the five-year period ending December 31, 2005 , the PSRSSTL portfolio earned $6.2 \%$ ranking in the top $21 \%$ of public plans.

Additional investment information is provided in the Investment Information Section of this report.

## Actuarial and Funding Summary

Each year, PSRSSTL has an independent actuarial valuation conducted. The valuation has two primary purposes: (1) to measure the relative financial condition of the System and (2) to determine the level of the annual contribution that should be made to PSRSSTL during the upcoming year so sufficient assets are available for benefit payments in the future.

The annual valuation as of January 1, 2005 indicated PSRSSTL was $95.7 \%$ funded on an actuarial basis and 101.9\% funded on a market value basis. Additional detail about the funding status of PSRSSTL is provided in the Actuarial Section of this report.
In summary, as measured at the beginning of 2005, PSRSSTL benefit obligations and the assets available to satisfy those obligations are set forth as follows:

[^0]

As discussed in the Financial and Investment Sections of this report, it is noteworthy that the market value of PSRSSTL assets increased from $\$ 925,312,217$ at the beginning of 2004 to $\$ 1,060,577,177$ at the beginning of 2005 .

It is the opinion of the independent actuary, assuming future contributions will be made as recommended, that PSRSSTL will continue to be funded on a sound actuarial basis.

Detailed actuarial information is provided in the Actuarial Section of this report.

## Acknowledgments \& Reflections

I want to take this time to applaud the efforts of the Board of Trustees for their tireless dedication, enthusiasm, and personal time they devoted to the PSRSSTL during the past year. I also want to recognize the outstanding quality of services provided by the PSRSSTL professional advisors.

An organization is only as good as the internal staff that supports it. I want to thank the staff for their hard work, expertise, and loyalty. Their integrity and professionalism ensures that PSRSSTL operates efficiently and continues to be a strong dependable pension organization.

Furthermore, I want to thank our members and their employers. They are the cornerstone of our existence. Their devotion to education preserves the future of St. Louis and helps guarantee the stability of the PSRSSTL. Their financial contributions along with the return on prudent investments continue to allow the PSRSSTL to prosper. As we complete our sixty-second year, we continue to look forward to future opportunities to enhance the well-being and financial security of our members.


# PUBLIC SCHOOL RETIREMENT SYSTEM OF THE CITY OF ST. LOUIS <br> FINANCIAL STATEMENTS <br> DECEMBER 31, 2005 AND 2004 

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## INDEPENDENT AUDITOR'S REPORT

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S. Cherles
(616) 906-3366 fax (656) 906-0055

Independent Auditor's Report

The Board of Trustees<br>Public School Retirement System of the City of St. Louis<br>St. Louis, Missouri

We have audited the accompanying statements of plan net assets of the Public School Retirement System of the City of St. Louis (the "System") as of December 31, 2005 and 2004 and the related statements of changes in plan net assets for the years then ended. These financial statements are the responsibility of the System's management. Our responsibility is to express an opinion on these financial statements based on our audits.

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

As discussed in Note 2, investments in partnerships amounting to $\$ 15,243,782$ and $\$ 22,031,393$ ( $1 \%$ in 2005 and $2 \%$ in 2004 of plan net assets) as of December 31, 2005 and 2004, respectively, have been valued at cost. Accounting principles generally accepted in the United States of America require these investments to be recorded at fair value; however, a reasonable estimate of fair value could not be made without incurring excessive costs. Therefore, these investments are recorded at cost. The effect on the financial statements of not applying adequate procedures to determine the fair value of these investments is not determinable.

## INDEPENDENT AUDITOR'S REPORT CONTINUED

The Board of Trustees<br>Public School Retirement System<br>of the City of St. Louis<br>St. Louis, Missouri

In our opinion, except for the effects of the procedures used to determine the valuation of investments in partnerships at December 31, 2005 and 2004 as described in the preceding paragraph, the financial statements referred to above present fairly, in all material respects, the plan net assets of the Public School Retirement System of the City of St. Louis as of December 31, 2005 and 2004 and changes in plan net assets for the years then ended in conformity with accounting principles generally accepted in the United States of America.

Our audits were conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplemental management discussion and analysis on pages 1-4, and the supplemental schedules of funding progress and employer contributions on pages 19-20 are not a required part of the basic financial statements of the System, but are supplemental information required by the Governmental Accounting Standards Board. For the supplemental management discussion and analysis, and schedules of funding progress and employer contributions, and schedule of operating expenses found on pages 21-22, we have applied certain limited procedures which consisted principally of inquiries of management regarding the methods of measurement and presentation of the required supplemental information. However, we did not audit the information and express no opinion on it.


## STATEMENTS OF PLAN NET ASSETS

DECEMBER 31, 2005 AND 2004

## CASH

## BUILDING PROJECT

## RECEIVABLES

Accrued interest and dividends
Contributions

## ASSETS

INVESTMENTS, at fair value
Cash equivalents
Bonds
U.S. Government and agency issues Corporate
Foreign corporate and government bonds
Foreign common stocks
Common and preferred stocks
Mutual funds
Real estate partnerships - insurance contracts

INVESTMENTS, at estimated fair value
Real estate loans, first mortgages
INVESTMENTS, at cost
Limited partnerships
Real estate partnerships - other
Venture capital partnerships
Total investments
Total assets

| 2005 |  | 2004 |  |
| :---: | :---: | :---: | :---: |
| \$ | 7,863,658 | \$ | 7,560,170 |
|  | 2,205,134 |  |  |
|  | 4,601,937 |  | 4,731,425 |
|  | 10,102 |  | 39,910 |
|  | 4,612,039 |  | 4,771,335 |


| $38,514,950$ | $42,809,647$ |
| ---: | ---: |
|  |  |
| $66,801,915$ | $68,052,963$ |
| $80,801,056$ | $87,503,497$ |
| $91,171,180$ | $65,059,609$ |
| $60,930,056$ | $45,210,915$ |
| $360,444,537$ | $360,491,905$ |
| $291,258,639$ | $321,796,877$ |
| $42,604,405$ | $36,157,517$ |
| $1,032,526,738$ | $1,027,082,930$ |

$$
63,304 \quad 93,325
$$

| 2,633,668 | 5,772,973 |
| :---: | :---: |
| 6,872,618 | 9,451,298 |
| 5,737,496 | 6,807,122 |
| 15,243,782 | 22,031,393 |
| 1,047,833,824 | 1,049,207,648 |
| 1,062,514,655 | 1,061,539,153 |

## LIABILITIES

## CURRENT LIABILITIES

Accounts payable and accrued expenses
Advance contributions received
Total current liabilities

| 982,834 |
| ---: | ---: |
| 52,932 |
| $1,035,766$ |

NET ASSETS HELD IN TRUST FOR PENSION BENEFITS
(A schedule of funding progress is presented on page 19.) $\quad \$ 1,061,478,889 \xlongequal{\$ 1,060,577,177}$

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

STATEMENTS OF CHANGES IN PLAN NET ASSETS
DECEMBER 31, 2005 AND 2004

## ADDITIONS <br> Employer Contributions <br> Member Contributions

Net appreciation (depreciation) in fair value of investments
Cash equivalents
Bonds
U.S. Government and agency issues

Corporate
Income from foreign corporate and government bonds
Common and preferred stock
Mutual funds
Real estate loans
Limited partnerships
Real estate partnerships
Venture capital partnerships

Less investment expense
Net investment income (loss)
Total additions

## DEDUCTIONS

Benefits paid
Retirement and death benefits
Health care subsidies and supplemental payments

Operating expenses
Contribution refunds due to death or resignation
Total deductions

## NET INCREASE

## NET ASSETS HELD IN TRUST FOR PENSION BENEFITS BEGINNING OF YEAR AS REPORTED END OF YEAR

| $\mathbf{2 0 0 5}$ |  | $\mathbf{2 0 0 4}$ |
| ---: | ---: | ---: |
|  | $\$ 23,514,266,406,806$ |  |
| $10,515,674$ |  |  |
| $34,029,940$ |  | $37,232,470$ |

1,070,169

1,706,136
4,414,347
2,492,925
$(3,274,159)$
22,752,559
30,233,783
10,066
$(206,558)$
14,445,756
12,810,252
46,217,305
39,295,775
11,889
$(592,346)$
6,954,269
5,822,225
67,561,415

| 4,212,361 | 3,590,775 |
| :---: | :---: |
| 63,349,054 | 119,511,676 |
| 97,378,994 | 156,744,146 |


| 73,994,518 | 68,008,801 |
| :---: | :---: |
| 2,658,573 | 2,593,142 |
| 76,653,091 | 70,601,943 |
| 1,756,223 | 1,391,243 |
| 18,067,968 | 13,274,756 |
| 96,477,282 | 85,267,942 |
| 901,712 | 71,476,204 |


| $1,060,577,177$ |  |
| :--- | :--- | ---: | ---: |
| $\$$ | $1,061,478,889$ |

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

## NOTES TO FINANCIAL STATEMENTS <br> NOTE 1 - DESCRIPTION OF SYSTEM

## General

The Public School Retirement System of the City of St. Louis is a funding agency existing under provisions of the Revised Statutes of the State of Missouri (the "Statutes") to provide retirement benefits for all employees of the Board of Education of the City of St. Louis, of the Charter Schools located within the St. Louis School District, of all employees of the Public School Retirement System of the City of St. Louis, and of certain employees of Harris Stowe State College of St. Louis. The System is a multi-employer defined benefit pension plan.

Operations and management of the System are generally prescribed in the Statutes and are supervised by the Board of Trustees.

## Membership

All persons employed on a full-time regular basis are members of the System as a condition of employment. Membership statistics, as of the latest actuarial valuations, are as follows:

|  | January 1 , 2005 | January 1, 2004 |
| :---: | :---: | :---: |
| Active members | 5,549 | 6,074 |
| Inactive members | 548 | 509 |
| Total members not retired | 6,097 | 6,583 |
| Retired members |  |  |
| Service and survivors | 3,328 | 3,418 |
| Disability | 278 | 282 |
|  | 3,606 | 3,700 |
| Total Membership | 9,703 | 10,283 |

## Benefits

Upon retirement at age 65 (or at any age if age plus years of credited service add up to 85 or more), members receive monthly payments for life of yearly benefits equal to years of credited service multiplied by $2 \%$ of average final compensation, but not to exceed $60 \%$ of average final compensation.

Members are eligible, after accumulation of five years of credited service, for disability benefits. Survivors' benefits are available for beneficiaries of members who die after at least 18 months of active membership.

The System pays a portion of health insurance premiums for retirees under Section 169.476 of the Statutes, as an expense of the System.

## Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of plan assets and liabilities, disclosure of contingent assets and liabilities at the date of the financial statements, and reported amounts of additions and deductions to plan net assets during the reporting period. Actual results could differ from those estimates

## NOTES TO FINANCIAL STATEMENTS <br> NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

## Basis of Accounting

Plan member contributions of $5.0 \%$, effective July 1, 1999, are mandatory and are recognized in the period in which contributions are due. Employer contributions to the plan are also mandatory and are recognized when due and the employer has made a formal commitment to provide the contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan.

## Tax Status

The System has been determined to be exempt from federal income taxes under Section 115 of the Internal Revenue Code.

## Contributions Receivable

Contributions receivable consists of amounts due from members and employers for contributions which were due, according to terms of the plan, by December 31, 2005 and 2004.

## Advanced Contributions Received

Advanced contributions received consist of certain contributions received prior to the due date of January 31, 2006.

## Method Used to Value Investments

Unless otherwise noted, investments are reported at fair value. Short-term investments are reported at cost, which approximates fair value. Securities traded on national or international exchanges are valued at the latest reported sales price at current exchange rates.

The real estate loans have effective interest rates ranging from $8.75 \%$ to $17.5 \%$ with varying maturities up to 30 years and are stated at the outstanding principal balance, which approximates estimated fair value.

For other investments for which there are no quoted market prices, a reasonable estimate of fair value could not be made without incurring excessive costs; therefore, these investments are generally reported at cost.

## Real estate partnerships - insurance contracts

The System has entered into contracts with several insurance companies. The accounts are credited with actual earnings on the underlying investments and charged for plan withdrawals and administration expenses charged by the insurance companies. These investments are stated at fair value as determined by the insurance companies.

## Net Appreciation (Depreciation) in Fair Value of Investments

Net appreciation (depreciation) in fair value of investments includes: realized gains (losses), unrealized appreciation (depreciation), dividends, interest, and other investment income. However, Limited, Real Estate and Venture Capital Partnerships are recorded at cost, which excludes unrealized appreciation (depreciation) because these amounts cannot be determined without incurring excessive costs.

## Furniture and Equipment

Acquisitions of furniture and equipment are charged to operating expense. The value of furniture and equipment owned by the System is deemed immaterial in relation to the total assets of the System.

## NOTES TO FINANCIAL STATEMENTS <br> NOTE 3 - INVESTMENTS

At December 31, 2005 and 2004, investments consisted of the following:

|  | 2005 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Market Value |  | Cost |  |
| Cash equivalents | \$ | 38,514,950 | \$ | 38,514,950 |
| Bonds |  |  |  |  |
| U.S. Government and agency issues |  | 66,801,915 |  | 68,122,214 |
| Corporate |  | 80,801,056 |  | 82,277,117 |
| Foreign corporate and government bonds |  | 91,171,180 |  | 92,582,259 |
| Foreign common stock |  | 60,930,056 |  | 57,614,327 |
| Common and preferred stocks |  | 360,444,537 |  | 301,980,428 |
| Mutual funds |  | 291,258,639 |  | 213,058,212 |
| Real estate partnerships - insurance contracts |  | 42,604,405 |  | 38,792,131 |
|  |  | 1,032,526,738 |  | 892,941,638 |
| Real estate loans, first mortgages |  | 63,304 |  | 63,304 |
| Limited partnerships |  | 2,633,668 |  | 2,633,668 |
| Real estate partnerships - other |  | 6,872,618 |  | 6,872,618 |
| Venture capital partnerships |  | 5,737,496 |  | 5,737,496 |
|  |  | 15,243,782 |  | 15,243,782 |
|  | \$ | 1,047,833,824 | \$ | 908,248,724 |
|  | 2004 |  |  |  |
|  |  | arket Value |  | Cost |
| Cash equivalents | \$ | 42,809,647 | \$ | 42,809,647 |
| Bonds |  |  |  |  |
| U.S. Government and agency issues |  | 68,052,963 |  | 67,609,624 |
| Corporate |  | 87,503,497 |  | 87,034,111 |
| Foreign corporate and government bonds |  | 110,270,524 |  | 96,790,981 |
| Common and preferred stocks |  | 360,491,905 |  | 289,420,902 |
| Mutual funds |  | 321,796,877 |  | 192,559,607 |
| Real estate partnerships - insurance contracts |  | 36,157,517 |  | 35,586,744 |
|  |  | 1,027,082,930 |  | 811,811,616 |
| Real estate loans, first mortgages |  | 93,325 |  | 93,325 |
| Limited partnerships |  | 5,772,973 |  | 5,772,973 |
| Real estate partnerships - other |  | 9,451,298 |  | 9,451,298 |
| Venture capital partnerships |  | 6,807,122 |  | 6,807,122 |
|  |  | 22,031,393 |  | 22,031,393 |
|  | \$ | 1,049,207,648 | \$ | 833,936,334 |

## Financial Statements

## NOTES TO FINANCIAL STATEMENTS <br> NOTE 4 - FUTURE MINIMUM LEASE PAYMENTS

The System leases office space under an operating lease expiring in August 2006. Rent expense for the years ended December 31, 2005 and 2004 was $\$ 80,973$ and $\$ 80,500$, respectively. Approximate future minimum lease payments for the remaining term of the lease are as follows:
$\frac{\text { Year }}{2006}$

Minimum<br>$\underline{\text { Lease Payments }}$<br>48,620

## NOTE 5 - CONCENTRATION OF RISK

During 2005, the Public School Retirement System of the City of St. Louis adopted Governmental Accounting Standards Board (GASB) Statement No. 40, Deposit and Investment Risk Disclosures, an Amendment of GASB Statement No. 3 (GASB 40). The adoption of GASB 40 modifies certain financial statement disclosure requirements. The new standard enhances the deposit and investment risk disclosures by updating the custodial credit risk disclosure requirements of GASB 3 and addressing other common risks, including concentrations of credit risk, interest rate risk, foreign currency risk, and investment rate risk. The implementation of GASB 40 had no effect on the financial statement amounts.

Financial instruments that potentially subject the System to concentrations of credit and market risk consist principally of cash and investments. The System places its temporary cash investments with major financial institutions. At December 31, 2005 and 2004, the System had approximately $\$ 8,200,000$ and $\$ 7,915,000$, respectively, in cash on deposit at US Bank. These balances were insured by the Federal Deposit Insurance Corporation ("FDIC") for $\$ 100,000$. A portion of the remaining balances is collateralized by US Bank's assets held jointly in the name of US Bank, NA and the System, held by the Federal Reserve Bank of Cleveland as Trustee. Regulations require that government entities, in case of bank failure, have collateral to cover losses that could exceed the FDIC limit of $\$ 100,000$. The market value of the collateralized securities at December 31, 2005 was $\$ 11,072,573$. A significant portion of the System's investments are held by US Bank of St. Louis, N.A.

On December 30, 2005, the System received $\$ 22,027,860$ from the St. Louis Board of Education for the 2005 St. Louis Public Schools' annual regular pension contribution and sick leave conversion contribution. The funds were transferred from cash equivalents to investments on January 3, 2006.

The System has significant amounts of investments that are subject to market risk. Market risk is the possibility that future changes in market price may make a financial instrument less valuable. The other investments are also subject to risk. This risk is the possibility that, upon disposition, the value received may be less than the amount invested.

## Concentration of Credit Risk.

At December 31, 2005, the System had the following concentrations, defined as investments (other than those issued or guaranteed by the U.S. Government) in any one organization that represent $5 \%$ or more of net assets held in trust for pension benefits.

| Mutual Funds | Fair Value |  | Percentage of Total Investments |
| :---: | :---: | :---: | :---: |
| Fidelity Trust Company | \$ | 67,305,535 | 6.4\% |

## NOTES TO FINANCICAL STATEMENTS <br> NOTE 5 - CONCENTRATION OF RISK (CONTINUED)

## Credit Riske of Debt Securities

The System's rated debt investments as of December 31, 2005 were rated by Moody's Investor Services (Moody's) and the ratings presented using the Moody's rating scale. The System's policy to limit credit risk is that fixed income securities shall be limited to those with a Moody's rating of investment grade (BBB/Baa) or better.

## Fair Quality Ratings

| Rate Debt Instrument Value | AAA |  | AA2 |  | AA3 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Corporate bonds and debentures | \$ | 5,281,321 | \$ | 1,014,759 | \$ | 743,552 |
| Foreign government and corporate obligations |  | 64,619,395 |  | 3,654,324 |  |  |
| United States Government Securities Agency Securities |  | 35,620,090 |  |  |  |  |
|  |  | 21,027,959 |  |  |  |  |
|  | \$ | 126,548,765 | \$ | 4,669,083 | \$ | 743,552 |
| Rate Debt Instrument Value |  | A 1 |  | A2 |  | A3 |
| Corporate bonds and debentures <br> Foreign government and corporate obligations <br> United States Government Securities Agency Securities | \$ | 1,876,969 | \$ | 1,247,997 | \$ | 316,262 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | \$ | 1,876,969 | \$ | 1,247,997 | \$ | 316,262 |
|  |  | BAA1 |  | AA2 |  | AA3 |
| Corporate bonds and debentures <br> Foreign government and corporate obligations United States Government Securities Agency Securities | \$ | 2,242,554 | \$ | 4,410,780 | \$ | 5,076,325 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | \$ | 2,242,554 | \$ | 4,410,780 | \$ | 5,076,325 |
|  |  | BA1 |  | BA2 |  | BA3 |
| Corporate bonds and debentures <br> Foreign government and corporate obligations <br> United States Government Securities Agency Securities | \$ | 2,480,462 | \$ | 3,229,231 | \$ | 4,130,579 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | \$ | 2,480,462 | \$ | 3,229,231 | \$ | 4,130,579 |

## Financial Statements

## NOTES TO FINANCIAL STATEMENTS <br> NOTE 5 - CONCENTRATION OF RISK (CONTINUED)

Credit Risk of Debt Securities (Continued)

Corporate bonds and debentures
Foreign government and corporate obligations
United States Government Securities
Agency Securities

|  | B1 | B2 |  | B3 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| \$ | 8,029,363 | \$ | 11,176,633 | \$ | 15,757,143 |

\$ $8,029,363$

Corporate bonds and debentures
Foreign government and corporate obligations
United States Government Securities
Agency Securities


|  | \$ | 381,750 | \$ | 5,767,463 |
| :---: | :---: | :---: | :---: | :---: |
|  | CAA3 |  | Unrated |  |
| Corporate bonds and debentures | \$ | 563,690 | \$ | 5,277,398 |
| Foreign government and corporate obligations |  |  |  | 22,926,348 |
| United States Government Securities |  |  |  | 5,390,364 |
| Agency Securities |  |  |  | 4,763,502 |
|  | \$ | 563,690 | \$ | 38,357,612 |

Foreign government and corporate obligations
United States Government Securities

## Foreign Currency Risk

The System does not have a formal policy to limit foreign currency risk. Risk of loss arises from changes in currency exchange rates. The System's exposure to foreign currency risk is presented in the following table:

$$
\begin{array}{lllll}
\text { Currency } & \underline{\text { Short-Term }} & \underline{\text { Debt }} & \underline{\text { Equity }} & \underline{T o t a l}
\end{array}
$$

| Danish Krone |  | \$ | 3,064,188 |  | \$ | 3,064,188 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Euros |  |  | 66,013,709 |  |  | 66,013,709 |
| Japanese Yen |  |  | 4,579,295 |  |  | 4,579,295 |
| Franc |  |  | 3,350,257 |  |  | 3,350,257 |
| Swedish Krona |  |  | 14,192,618 |  |  | 14,192,618 |
|  | \$ | \$ | 91,200,067 | \$ | \$ | 91,200,067 |

## NOTES TO FINANCICAL STATEMENTS NOTE 5 - CONCENTRATION OF RISK (CONTINUED)

## Interest Rate Risk

The System does not have a formal policy to limit interest rate risk. Risk of loss arises from changes in interest rates which have significant affects on fair values of investments.

| Investment Type | Fair Value |  | $<1$ year |  | 1-5 years |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Corporate bonds and debentures | \$ | 80,801,056 | \$ | 5,266,277 | \$ | 14,819,583 |
| Foreign government and corporate obligations |  | 91,200,067 |  | 4,877,511 |  | 41,795,715 |
| United States Government |  |  |  |  |  |  |
| Securities |  | 21,718,696 |  | 2,469,220 |  | 6,286,423 |
| Agency Securities |  | 45,083,219 |  |  |  | 8,505,370 |
|  | \$ | 238,803,038 | \$ | 12,613,008 | \$ | 71,407,091 |


| Investment Type | 6-10 years |  | 10+ years |  |
| :---: | :---: | :---: | :---: | :---: |
| Corporate bonds and debentures | \$ | 47,509,315 | \$ | 13,205,881 |
| Foreign government and |  |  |  |  |
| corporate obligations |  | 33,913,897 |  | 10,612,944 |
| United States Government |  |  |  |  |
| Securities |  | 7,950,393 |  | 5,012,660 |
| Agency Securities |  | 4,745,708 |  | 31,832,141 |
|  | \$ | 94,119,313 | \$ | 60,663,626 |

## NOTE 6 - COMMITMENTS

On September 19, 2005, the Public School Retirement System of the City of St. Louis, (the owner) entered into a construction escrow agreement with Owen Financial Services, Inc., (the contractor). The Public School Retirement System of the City of St. Louis deposited $\$ 2,198,008$ with Old Republic Title Company of St. Louis, (the escrowee). Funds may only be disbursed by the escrowee with the approval of the owner based upon the percentage of work completed by the contractor. The contract is a design/build contract which conveys the land to the owner upon certain contingencies being fulfilled.

The land is located at 3641 Olive Street in the City of St. Louis and was purchased by Owen Financial Services, Inc. from Grand Center, Inc. The president of Grand Center, Inc. is a board member of the Public School Retirement System of the City of St. Louis. Management believes that no conflict of interest exists in relation to the purchase since the president of Grand Center, Inc. refrained from participation and discussion of the purchase.

## SCHEDULE OF FUNDING PROGRESS (in millions)

| Actuarial <br> Valuation Date January 1, | Actuarial Value of Assets <br> (a) | Actuarial Accrued Liability (AAL) Frozen Entry Age (b) | $\begin{gathered} \text { Unfunded } \\ \text { AAL (UAAL) } \\ (\mathrm{b}-\mathrm{a}) \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 1990 | 373.3 | 460.7 | 87.4 |
| 1991 | 395.7 | 472.5 | 76.8 |
| 1992 | 427.7 | 502.0 | 74.3 |
| 1993 | 458.3 | 530.8 | 72.5 |
| 1994 | 487.4 | 557.9 | 70.5 |
| 1995 | 519.1 | 588.2 | 69.1 |
| 1996 | 562.2 | 664.8 | 102.6 |
| 1997 | 598.6 | 716.7 | 118.1 |
| 1998 | 644.4 | 759.7 | 115.3 |
| 1999 | 694.3 | 846.9 | 152.6 |
| 2000 | 770.1 | 937.7 | 167.6 |
| 2001 | 828.1 | 1,022.0 | 193.9 |
| 2002 | 861.1 | 1,069.8 | 208.7 |
| 2003 | 873.3 | 1,063.2 | 189.9 |
| 2004 | 902.0 | 1,074.3 | 172.3 |
| 2005 | 935.3 | 1,084.4 | 149.1 |
| Actuarial <br> Valuation <br> Date <br> January 1, | Funded Ratio (a/b) | Annual <br> Covered Payroll <br> (c) | $\begin{gathered} \text { UAAL } \\ \text { as a } \% \text { of } \\ \text { Covered Payroll } \\ (\mathrm{b}-\mathrm{a}) / \mathrm{c}) \\ \hline \end{gathered}$ |
| 1990 | 81.0 | 194.6 | 44.9 |
| 1991 | 83.7 | 198.5 | 38.7 |
| 1992 | 85.2 | 194.2 | 38.3 |
| 1993 | 86.3 | 194.6 | 37.3 |
| 1994 | 87.4 | 202.4 | 34.9 |
| 1995 | 88.3 | 207.1 | 33.3 |
| 1996 | 84.6 | 206.9 | 49.6 |
| 1997 | 83.5 | 210.2 | 56.2 |
| 1998 | 84.8 | 210.8 | 54.7 |
| 1999 | 82.0 | 215.6 | 70.8 |
| 2000 | 82.1 | 216.7 | 77.3 |
| 2001 | 81.0 | 235.1 | 82.5 |
| 2002 | 80.5 | 243.9 | 85.6 |
| 2003 | 82.1 | 283.9 | 66.9 |
| 2004 | 84.0 | 255.3 | 67.5 |
| 2005 | 86.3 | 240.2 | 62.1 |

See independent auditor's report on supplemental information.

## SCHEDULE OF EMPLOYER CONTRIBUTIONS

Employer Contributions

| Year Ended <br> December 31, | Annual <br> Required <br> Contribution | Percent <br> Contributed |
| :---: | :---: | :---: |
| 1990 | $13,147,093$ | $94.0 \%$ |
| 1991 | $14,020,492$ | $94.9 \%$ |
| 1992 | $14,970,746$ | $97.2 \%$ |
| 1994 | $14,098,562$ | $98.4 \%$ |
| 1995 | $15,441,488$ | $99.2 \%$ |
| 1996 | $15,087,519$ | $99.6 \%$ |
| 1997 | $16,619,187$ | $100.1 \%$ |
| 1998 | $16,876,759$ | $100.2 \%$ |
| 1999 | $15,328,067$ | $111.1 \%$ |
| 2000 | $13,906,270$ | $124.5 \%$ |
| 2001 | $15,543,984$ | $111.9 \%$ |
| 2002 | $18,168,580$ | $100.2 \%$ |
| 2003 | $19,076,442$ | $100.6 \%$ |
| 2004 | $19,517,288$ | $101.2 \%$ |
| 2005 | $19,210,506$ | $132.0 \%$ |
|  | $19,364,705$ | $*$ |
|  | $*$ To be determined at the end of the year. |  |

The information presented in the required supplemental schedules was determined as part of the actuarial valuation prepared by W. Alfred Hayes and Company at January 1, 2005. Additional information related to the above actuarial valuation follows:

Actuarial cost method:
Rate of investment return:
Turnover or withdrawal rates:
Turnover or withdrawal rates:
Mortality or death rates:

Disability rates:

Rates of retirement between ages
of 55 and 70:
Rate of salary increases:

Asset valuation method:

Frozen entry age.
$8 \%$ for 2005 and 2004, net of expenses.
Various by age and year of membership based on actual experience of the System.
1983 Group Annuity Mortality Tables for males and females is used for active and retired members and beneficiaries.
Various by age of active members based on actual experience of the System.
Various based on actual experience of the System.

Based on actual experience of the System, at the rate of $4.5 \%$ per year.
The assumed yield method of valuing assets, less the expense and contingency reserve.

The Unfunded Actuarial Accrued Liability (UFAAL) was originally determined and frozen as of January 1, 1981. Effective January 1, 2002, the UFAAL was redetermined. The difference between the original UFAAL and the new UFAAL will be phased in over five (5) years and the UFAAL will be amortized over thirty (30) years.

See independent auditor's report on supplemental information.

## SCHEDULES OF OPERATING EXPENSES

## YEARS ENDED DECEMBER 31, 2005 AND 2004



## Trustees' Expenses

The Trustees attended conferences and business meetings in connection with business of the System. The Trustees received no salaries but were allowed expenses relating to their attendance at such events as follows:

|  | 2005 |  | 2004 |  |
| :---: | :---: | :---: | :---: | :---: |
| Transportation and registration | \$ | 7,362 | \$ | 10,443 |
| Lodging, meals, and miscellaneous |  | 13,275 |  | 14,004 |
| Other |  |  |  |  |
| Total | \$ | 20,637 | \$ | 24,447 |

See independent auditor's report on supplemental information.

## THE CAPITAL MARKET ENVIRONMENT

## Domestic Stocks

The S\&P 400 was positive for calendar year 2005, posting a return of $12.6 \%$. Growth and value stocks contributed to gains in year 2005 as shown by the Russell 1000 Growth Index, up $5.3 \%$ and the Russell 1000 Value Index, up 7.1\%.

## Domestic Bonds

Fixed income markets posted small gains in 2005. The Lehman Aggregate Index was up 2.4\% for the year with John Hancock up $3.2 \%$, MDL Capital up $1.3 \%$, and Mellon Bond up $2.5 \%$.
Citigroup high-yield bonds were also up $2.1 \%$ for the year with a 5 -year average return of $8.9 \%$.

## International Markets

The international equity markets performed well with the MSCI EAFE Index up $13.5 \%$ while emerging markets equities gained more than $34.1 \%$.

The Citigroup World Government Bond Index performed poorly for the year with a loss of $-6.9 \%$.

## INVESTMENT PERFORMANCE

## Investment Goals

PSRSSTL has a well-diversified investment portfolio with long-term goals of earning an $8.6 \%$ return. Over the short-term (three to five years), PSRSSTL assets are structured to mitigate volatility while ranking in the top half of a universe of public funds.

## Investment Performance

For the year ending December 31, 2005, the PSRSSTL portfolio returned $6.3 \%$, with a ranking of 71 within the Investment Consultants' Cooperative (ICC) Universe of Public Funds. For the five-year period ending December 31, 2005, PSRSSTL investment performance ranked in the upper $21 \%$ of the ICC Universe, earning a $6.2 \%$ return.

Investment performance by asset class for one-year and five-year periods ending December 31, 2005 is set forth below.

|  | One <br> Year | Five <br> Years |
| :--- | ---: | ---: |
| PSRS Total Portfolio | $6.3 \%$ | $6.2 \%$ |
| PSRS Domestic Equities | $6.9 \%$ | $5.0 \%$ |
| S\&P 400 | $12.6 \%$ | $8.6 \%$ |
| Median Public Fund | $7.5 \%$ | $4.5 \%$ |
| PSRS Domestic Bonds | $2.9 \%$ | $6.8 \%$ |
| Lehman Aggregate Index | $2.4 \%$ | $5.9 \%$ |
| Median Public Fund | $2.8 \%$ | $6.2 \%$ |
|  |  |  |
| PSRS International Equities | $17.4 \%$ | N/A |
| MSCI EAFE Index | $13.5 \%$ | $4.6 \%$ |
| MSCI Emerging Index | $34.1 \%$ | $19.2 \%$ |
| Median International Fund | $16.2 \%$ | $8.8 \%$ |
| PSRS Global Bonds |  |  |
| Citigroup World Government | $-6.9 \%$ | $6.9 \%$ |
| Median Global Bonds | $-3.8 \%$ | $7.6 \%$ |

## INVESTMENT STATISTICS

The Investment Information Section of this report provides statistical information about the PSRSSTL investment managers, securities held in the portfolio, and brokerage fees paid in 2005.

## ASSET ALLOCATION AND INVESTMENT MANAGERS <br> AS OF DECEMBER 31, 2005 (000s omitted)

|  | MANAGEMENT STYLE | RELATIVE TO TOTAL PORTFOLIO |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | MARKET VALUE |  | TARGET VALUE |  | VARIANCE |  | MARKET VALUE |  |
|  |  | Value | \% | Value | \% | Value | \% | Value | \% |
| LARGE CAP GROWTH DOMESTIC EQUITIES |  | 97,722 | 9.3\% | 104,831 | 10.0\% | $(7,109)$ | -0.7\% |  |  |
| Buford, Dixon, Harper \& Sparrow | Large Cap Growth |  |  |  |  |  |  | 17,404 | 17.8\% |
| Intech | Large Cap Growth |  |  |  |  |  |  | 29,488 | 30.2\% |
| Monetary Management Group | Large Cap Growth |  |  |  |  |  |  | 50,830 | 52.0\% |
| LARGE CAP CORE DOMESTIC EQUITIES |  | 54,973 | 5.2\% | 94,348 | 9.0\% | $(39,375)$ | -3.8\% |  |  |
| Batterymarch Financial | Large Cap Core |  |  |  |  |  |  | 25,604 | 46.6\% |
| Mellon Equity Index | Large Cap Core |  |  |  |  |  |  | 29,369 | 53.4\% |
| LARGE CAP VALUE DOMESTIC EQUITIES |  | 56,842 | 5.4\% | 52,416 | 5.0\% | 4,426 | 0.4\% |  |  |
| Chicago Equity Partners | Large Cap Value |  |  |  |  |  |  | 35,334 | 62.2\% |
| The Edgar Lomax Company | Large Cap Value |  |  |  |  |  |  | 21,508 | 37.8\% |
| MID CAP GROWTH DOMESTIC EQUITIES |  | 37,441 | 3.6\% | 31,449 | 3.0\% | 5,992 | 0.6\% |  |  |
| New Amsterdam Partners | Mid Cap Growth |  |  |  |  |  |  | 37,441 | 100.0\% |
| SMALL/MICRO CAP DOMESTIC EQUITIES |  | 115,466 | 11.0\% | 104,831 | 10.0\% | 10,635 | 1.0\% |  |  |
| Westfield Capital Management | Small Cap Growth |  |  |  |  |  |  | 36,599 | 31.7\% |
| Systematic Financial Management | Small Cap Value |  |  |  |  |  |  | 41,318 | 35.8\% |
| Dimensional Fund Advisors | Small Cap Core |  |  |  |  |  |  | 37,549 | 32.5\% |
| TACTICAL ASSET ALLOCATION |  | 84,216 | 8.0\% | 83,865 | 8.0\% | 351 | 0.0\% |  |  |
| Boston Trust Company | Balanced Fund |  |  |  |  |  |  | 84,216 | 100.0\% |
| INTERNATIONAL EQUITIES |  | 174,029 | 16.6\% | 136,280 | 13.0\% | 37,749 | 3.6\% |  |  |
| Battermarch GI Emerging | Emerging Markets |  |  |  |  |  |  | 44,827 | 25.8\% |
| Causway | International Equities |  |  |  |  |  |  | 61,896 | 35.6\% |
| Fidelity | International Equities |  |  |  |  |  |  | 67,306 | 38.7\% |
| DOMESTIC BONDS |  | 99,775 | 9.5\% | 104,831 | 10.0\% | $(5,056)$ | -0.5\% |  |  |
| Mellon Bond | Core Domestic Bonds |  |  |  |  |  |  | 15,560 | 15.6\% |
| MDL Capital | Core Domestic Bonds |  |  |  |  |  |  | 18,461 | 18.5\% |
| John Hancock | Core Domestic Bonds |  |  |  |  |  |  | 65,754 | 65.9\% |
| HIGH YIELD DOMESTIC BONDS |  | 52,388 | 5.0\% | 52,416 | 5.0\% | (28) | 0.0\% |  |  |
| HSBC | High Yield Bonds |  |  |  |  |  |  | 52,388 | 100.0\% |
| GLOBAL BONDS |  | 95,869 | 9.1\% | 104,831 | 10.0\% | $(8,962)$ | -0.9\% |  |  |
| Mondrian | Global Bonds |  |  |  |  |  |  | 95,869 | 100.0\% |
| MARKET NEUTRAL STRATEGY |  | 41,249 | 3.9\% | 41,932 | 4.0\% | (683) | -0.1\% |  |  |
| Blue Rock | Market Neutral |  |  |  |  |  |  | 21,171 | 51.3\% |
| First Quadrant | Market Neutral |  |  |  |  |  |  | 20,078 | 48.7\% |
| HEDGED STRATEGIES |  | 55,417 | 5.3\% | 52,416 | 5.0\% | 3,001 | 0.3\% |  |  |
| K2 | Hedge Funds |  |  |  |  |  |  | 27,961 | 50.5\% |
| Mariner | Hedge Funds |  |  |  |  |  |  | 27,456 | 49.5\% |
| REAL ESTATE |  | 48,236 | 4.6\% | 52,416 | 5.0\% | $(4,180)$ | -0.4\% |  |  |
| Seven Funds \& Residential Mortgages | Real Estate |  |  |  |  |  |  | 48,236 | 100.0\% |
| ALTERNATIVE INVESTMENTS |  | 7,762 | 0.7\% | 31,449 | 3.0\% | $(23,687)$ | $-2.3 \%$ |  |  |
| Partnerships | Alternative Investments |  |  |  |  |  |  | 7,762 | 100.0\% |
| CASH (Does Not Include Managers' Residual Casb) | STIF | 26,926 | 2.6\% | 0 | 0.0\% | 26,926 | 2.6\% |  |  |
| Arch Fund | Cash |  |  |  |  |  |  | 23,579 | 87.6\% |
| Melon Money Market | Cash |  |  |  |  |  |  | 3,347 | 12.4\% |
| TOTAL |  | \$1,048,311 | 100.0\% | \$1,048,311 | 100.0\% |  |  |  |  |

The target values shown above represent the adopted Asset Allocation Policy, that were funded when the portfolio was restructured during the first six months of 2004. Notable changes in the PSRSSTL Asset Allocation Policy include the addition of Market Neutral and Hedge Fund strategies as well as a modest increase to Real Estate and the decision to fund the Emerging Markets allocation.

## DOMESTIC EQUITY INVESTMENTS

| 2005 Return | $6.9 \%$ |
| :--- | ---: |
| Average Market Capitalization | $\$ 45,925,750$ |
| P/E Ratio | 17.52 |
| Price/Book Ratio | 3.89 |
| Five Year Earnings Growth Rate | 14.77 |


| Ten Largest Domestic Equity Holdings |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Company | Dollar <br> Value | Percent of Portfolio | Company | Dollar <br> Value | Percent of <br> Portfolio |
| Exxon Mobil Corp. | \$5,914,542 | 1.7\% | J. P. Morgan Chase | 3,356,602 | 0.9\% |
| Altria Group Inc. | 4,745,851 | 1.3\% | Johnson \& Johnson | 3,334,148 | 0.9\% |
| Genereal Electric Co. | 4,577,010 | 1.3\% | Proctor \& Gamble | 3,139,592 | 0.9\% |
| Citigroup Inc. | 3,816,130 | 1.1\% | Texas Instruments | 2,911,811 | 0.8\% |
| Pfizer Inc. | \$3,671,871 | 1.0\% | UnitedHealth Group | 2,891,493 | 0.8\% |


| Ten Best Performing Domestic Equity Holdings |  |  |  |
| :---: | :---: | :---: | :---: |
| Company | Return | Company | Return |
| Infosonics Corp | 264.9\% | Continental Airls | 120.5\% |
| Allied Holdings Inc | 172.7\% | Novavax Inc | 120.0\% |
| PW Eagle Co | 167.3\% | Spherix Inc | 115.6\% |
| Midwest Express | 164.8\% | Apac Teleservices | 105.6\% |
| Zevex Intl Inc | 43.9\% | Jennifer Convs Inc | 105.3\% |


| Ten Worst Performing Domestic Equity Holdings |  |  |  |
| :---: | :---: | :---: | :---: |
| Company | Return | Company | $\underline{\text { Return }}$ |
| Arlington Hospital | -99.4\% | Flyi Inc. | -89.2\% |
| MCSI Inc. | -98.0\% | Boyds Collections | -87.1\% |
| Badger Paper Mills | -95.4\% | Integrated Elec. | -80.4\% |
| Robotic Vision Sys. | -91.5\% | Ultimate Electronic | -80.0\% |
| Garderburger Inc. | -91.0\% | Prg-Schultz Intl | -79.7\% |

## DOMESTIC BOND INVESTMENTS

PSRSSTL domestic bond investments had an average maturity of 8.10 years, duration of 5.43 years, and an average quality rating of 7.02 . During 2005, the PSRSSTL domestic bond portfolio earned $2.9 \%$. Below are bond summary statistics for the quarter ending December 2005.

| Bond Portfolio <br> Average Maturity in Years | Percent of Portfolio |
| :---: | :---: |
| $0.0-1.0$ | $4.6 \%$ |
| $1.0-3.0$ | $16.1 \%$ |
| $3.0-5.0$ | $16.0 \%$ |
| $5.0-10.0$ | $35.2 \%$ |
| $10.0-20.0$ | $17.9 \%$ |
| $20+$ | $2.8 \%$ |
| Unclassified | $7.4 \%$ |


| Bond Portfolio <br> Duration in Years | Percent of Portfolio |
| :---: | :---: |
| $0.0-1.0$ | $5.3 \%$ |
| $1.0-3.0$ | $20.9 \%$ |
| $3.0-4.0$ | $11.9 \%$ |
| $4.0-6.0$ | $23.2 \%$ |
| $6.0-8.0$ | $11.5 \%$ |
| $8.0+$ | $19.8 \%$ |
| Unclassified | $7.4 \%$ |


| Bond Portfolio <br> Quality Rating | Percent of Portfolio |
| :--- | :---: |
| Government (10) | $23.4 \%$ |
| $\mathrm{Aaa}(10)$ | $6.4 \%$ |
| $\mathrm{Aa}(9)$ | $1.2 \%$ |
| $\mathrm{~A}(8)$ | $3.0 \%$ |
| $\mathrm{Baa}(7)$ | $8.7 \%$ |
| Below Baa(6-1) | $37.9 \%$ |
| Other | $19.4 \%$ |

## BROKERAGE FEES

American Technolog Research
Avian Securities, Inc.
Avondale Partners
B Trade Service
Baird \& Company
BancBoston Securities
Bear Stearns
Berean Capital Inc.
Bernstein, Sanford \& Co
BNY/ITC Dealer
Boston Instit. Service
Bridge Trading-Ernst Co.
Buckinham Research Groupp
C E Untrberg Towbin
Cabrera Capital markets
Cantor Fitzgerald
Capital Institution Service
Cheevers \& Co., Inc.
CIBC World markete corp
Citicorp Securities
Cowen \& Co
Craig Hallum Will
Credit Suisse First Bston
Credit Lonnais
Dematteo Monness LLC
Deutsche Bank Capital
Direct Trading
Ferris \& Co
Fidelity Capital Markets
First Analysis Securities
First Clearing
Fox Pitt Kelton Inc.
Friedman Billings Ramsey
Gardner Rich
Global
Goldman Sachs
Griswold Company

| 160.00 | Instinet |
| ---: | :--- |
| 16.00 | Investment Technology Group |
| 100.00 | ISI Group Inc. |
| 614.18 | Ivy Securities, Inc. |
| $1,569.99$ | J P Morgan |
| $2,287.11$ | Jefferies Inc. |
| $4,123.86$ | JMP Securities |
| 976.00 | Johnson Rice |
| $5,172.25$ | Jones Associates |
| $19,358.06$ | Kauffman Brothers |
| 289.80 | Keefe Bruyette |
| $2,382.20$ | Knight Securities LP |
| 84.00 | LaBranche Financial |
| 100.00 | Leerink Swann \& Co. |
| 460.00 | Legg Mason Wood Walker |
| $11,887.09$ | Lehman Brothers |
| $5,622.00$ | Liquidnet Inc. |
| $1,795.00$ | Loop Capital Markets |
| 875.12 | Magna Securities |
| $3,909.50$ | McDonald \& co. |
| 355.60 | Medford Financial |
| 156.00 | Merrill Lynch |
| $9,284.14$ | Merriman Curhan Ford \& Co. |
| 54.00 | Midwest Research Securities |
| 298.40 | Miletus Trading |
| $19,604.08$ | MJSK Inc |
| 90.95 | Montgomery Securities |
| $2,632.00$ | Moors \& Cabots |
| 18.00 | Morgan Equities Inc. |
| 256.00 | Morgan Stanley |
| $14,121.00$ | MS Howells \& Co. |
| 334.76 | National Financial Services |
| $1,474.98$ | Nationsbank of Georgia |
| 515.00 | Needham |
| $174,923.60$ | Nesbitt Burns Securities |
| $11,838.86$ | Next Generation |
| 710.50 | Nutmeg Securities |
|  |  |
| $103,517.55$ |  |


| $5,701.19$ | Pershing | 85.00 |
| ---: | :--- | ---: |
| $4,462.50$ | Presursor Group Inc. | 20.00 |
| $1,441.00$ | Prudential Securities | $2,537.80$ |
| 95.00 | Pulse Trading LLC | $2,807.25$ |
| $2,902.02$ | Raymond James | 64.00 |
| $6,857.97$ | RBC Dominion Securities | $2,008.10$ |
| 412.00 | Rochdale Securities Corp. | 231.00 |
| 148.00 | Rosenblatt Securities Inc. | $1,980.00$ |
| $5,759.46$ | Roth Capital partners LLC | 270.08 |
| 376.00 | Sandlr Oneill | $1,156.00$ |
| 934.50 | SBK Brooks Investment Corp. | 305.00 |
| 352.94 | Scotti McLeod USA | 96.00 |
| 525.65 | Simmons \& Company | 44.00 |
| $1,110.16$ | Standard/Poor Securities | 460.00 |
| $1,034.44$ | State Street Global Markets | $164,907.04$ |
| $6,291.00$ | Suntrup Robinson \& Humphrey | 100.16 |
| $17,739.32$ | Thinkequity Partners LLC | $1,394.40$ |
| 865.00 | Tullett Liberty Securities | 159.25 |
| 615.00 | UBS Securities Inc. | $7,545.32$ |
| $1,449.00$ | Unterburg Harris | 572.00 |
| 791.00 | US Bancorp Piper jaffray | $6,108.50$ |
| $6,161.93$ | Warhovia Capital Markets | $4,729.00$ |
| 300.00 | Wave Securities LLC | 566.00 |
| 840.00 | Wedbush Securities Inc. | $1,532.00$ |
| 500.75 | Weeden \& Co. | $74,302.37$ |
| 120.00 | Weiss Peck \& Greer | $7,248.19$ |
| 156.00 | Wells Fargo Securities LLC | $4,070.00$ |
| 104.00 | Westminster resources | 28.00 |
| 344.00 | Whitaker Securities | 964.00 |
| $6,050.65$ | White Cap Trading LLC | 255.00 |
| 4.00 | Williams Capital Group | 70.00 |
| 20.00 |  | $1,365.00$ |
| $1,139.40$ |  |  |
| 559.00 |  |  |
| 40.00 |  |  |
| 44.00 |  |  |
| 84.00 |  |  |
| $92,309.16$ |  |  |
|  |  |  |

## MARKET VALUE OF ASSETS

| Investment Category | As of December 31, 2003 |  | As of December 31, 2004 |  | As of December 31, 2005 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Market Value | $\begin{gathered} \% \text { of } \\ \text { Total } \end{gathered}$ | Market Value | $\%$ of <br> Total | Market Value | $\%$ of <br> Total |
| Cash, Receivables, Cash Equivalents | \$54,995,063 | 5.6\% | \$55,141,152 | 5.2\% | \$50,990,647 | 4.8\% |
| Building Project |  | 0.0\% |  | 0.0\% | 2,205,134 | 0.2\% |
| U.S. Bonds, Bills and Mortgages | 97,451,454 | 9.8\% | 68,052,963 | 6.4\% | 66,801,915 | 6.3\% |
| Corporate Bonds | 125,806,789 | 12.7\% | 87,503,497 | 8.2\% | 80,801,056 | 7.6\% |
| Foreign Corporate \& Government Bonds | 105,190,045 | 10.6\% | 110,270,524 | 33.1\% | 152,101,236 | 33.1\% |
| Common Stocks | 404,008,767 | 40.8\% | 360,491,905 | 33.1\% | 360,444,537 | 33.1\% |
| Mutual Funds | 170,285,419 | 17.2\% | 321,796,877 | 30.3\% | 291,258,639 | 27.4\% |
| Real Estate - Insurance Contracts | 1,156,835 | 0.1\% | 36,157,517 | 3.4\% | 42,604,405 | 4.0\% |
| Mortgages | 111,156 | 0.0\% | 93,325 | 0.0\% | 63,304 | 0.0\% |
| Alternative Investments * | 31,110,813 | 3.1\% | 22,031,393 | 2.1\% | 15,243,782 | 1.4\% |
| Total | \$990,116,341 | 100.0\% | \$1,061,539,153 | 100.0\% | \$1,062,514,655 | 100.0\% |

[^1]This page is intentionally left blank.

# PUBLIC SCHOOL RETIREMENT SYSTEM 

OF THE CITY OF ST. LOUIS

ACTUARIAL VALUATION
AS OF JANUARY 1, 2005

DECEMBER
2005

## PURPOSE OF THE REPORT

This report is submitted in accordance with Section 169.450-15 Revised Statutes of Missouri (R.S. Mo.) 1997 and amendments that require the actuary to make an annual valuation of the assets and liabilities of the System. The purpose of the actuarial valuation is twofold: (1) to determine the required annual contributions from the Board of Education, the Retirement System and Harris-Stowe State College (or the State of Missouri); and (2) to develop information to measure the relative financial condition of the System.

The required contribution to the Retirement System from the Board of Education, the Retirement System, charter schools and Harris-Stowe State College (or the State of Missouri) is computed in accordance with Section 169.490 R.S. Mo. 1997. The amount of the required contribution is stated in Table C of this report. A description of the actuarial cost method and assumptions appears in Section 3.

Information concerning the financial condition and factors affecting it will be found throughout the report. There is no generally accepted single measure or standard for determining whether or not a retirement system is "actuarially sound." The financial health of a retirement system is measured best on a relative basis. Results are compared over a period of years to determine whether adequate progress is being made in the funding of the system's liabilities. Another relative measure is the stability of the contribution rate, with recognition for changes in funding requirements due to changes in benefit provisions. The actuarial balance sheet also provides an indication of the relative financial condition of the plan.

## COMMENTS

This actuarial valuation is based on the same actuarial assumptions and actuarial cost method as were sued in the prior actuarial valuation. The System had favorable actuarial experience for the year ending December 31, 2004, resulting in a decrease in the Annual Required Contribution rate to $6.00 \%$ from $7.58 \%$. The primary factors producing the favorable experience were lower than expected salary increases and a net investment return on an actuarial basis of $8.68 \%$, which was above the $8.00 \%$ assumed rate of return for 2004.

As a part of the package to increase benefits in 2001, the Board of Education agreed to fix the employer contribution at $8.00 \%$ for 2001 and institute a oneyear lag for future years. Therefore, this actuarial valuation is used to determine the actual contribution rate for 2006. The dollar amount of the actual
contribution decreased to $\$ 14,414,133$ for 2005 from $\$ 19,364,705$ for 2004 . As a percentage of covered compensation the contribution rate for 2005 decreased to $6.00 \%$ from $7.58 \%$ for 2004 . Under the actuarial funding method used to determine the contribution, actuarial gains losses) result in a decrease (or increase) in the normal cost rate. Actuarial gains (or losses) result from differences between the actual experience of the System and the expected experience projected by the actuarial assumptions. The assumptions are based on the longterm expected experience of the System. Actuarial gains (or losses) reflect short-term deviations between actual and expected experience. Since the normal cost is redetermined on an annual basis, the normal cost will usually fluctuate from year-to-year. For 2005, the annual normal cost is $\$ 0$ or $0.00 \%$ of the covered payroll of $\$ 240,185,055$.

The actuarial accrued liability contribution is determined as the amount necessary to amortize the remaining Unfunded Frozen Actuarial Accrued Liability (UFAAL) over a period of 30 years. As a modification to the actuarial cost method, the Board of Trustees acted to redetermine the UFAAL effective January 1, 2002 and to phase in the difference between the new and old UFAAL over a five-year period. This portion of the contribution only changes to reflect changes in benefits or changes in actuarial assumptions and methods. The UFAAL was decreased by $\$ 15,174,627$ as the adjustment of the 5 year phase-in of the redetermined UFAAL. The Board of Trustees also adopted a 30-year amortization period for the UFAAL, replacing the 30 to 50 year periods applying to the original UFAAL and supplements.
In our opinion, the Retirement System has been and will continue to be funded on a sound actuarial basis provided the required contributions are made as recommended in this report.


## SUMMARY OF PRINCIPAL RESULTS OF THE

ACTUARIAL VALUATION AS OF JANUARY 1, 2005

## ANNUAL REQUIRED CONTRIBUTION

| $\underline{2005}$ | Board of Education | Harris-Stowe State College |  | Retirement System |  | Charter <br> Schools |  |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Normal Cost Contribution | \$ 0 | \$ | 0 | \$ | 0 | \$ | 0 |  | \$ | 0 |
| Actuarial Accrued Liability Contribution | 13,305,881 |  | 3,893 |  | 34,190 |  | 1,070,169 |  |  | 19,364,705 |
| Annual Required Contribution | \$ 13,305,881 | \$ | 3,893 | \$ | 34,190 |  | \$1,070,169 |  | \$ | 19,364,705 |
| Covered Payroll | 221,718,075 |  | 64,876 |  | 569,706 |  | 17,832,398 |  |  | 240,185,055 |
| ARC as \% of Covered Payroll | 6.00\% |  | 6.00\% |  | 6.00\% |  | 6.00\% |  |  | 6.00\% |
| 2004* |  |  |  |  |  |  |  |  |  |  |
| Normal Cost Contribution | \$ 3,428,196 | \$ | 904 | \$ | 7,996 | \$ | 125,785 |  | \$ | 3,562,881 |
| Actuarial Accrued Liability Contribution | 15,204,478 |  | 4,010 |  | 35,464 |  | 557,872 |  |  | 15,801,824 |
| Annual Required Contribution | \$ 18,632,674 | \$ | 4,914 | \$ | 43,460 |  | 683,657 |  | \$ | 19,364,705 |
| Covered Payroll | 245,666,358 |  | 64,796 |  | 573,002 |  | 9,013,818 |  |  | 255,317,974 |
| ARC as \% of Covered Payroll | 7.58\% |  | 7.58\% |  | 7.58\% |  | 7.58\% |  |  | 7.58\% |
| SYSTEM ASSETS |  |  |  |  | $\begin{aligned} & \text { ry } 1, \\ & 05 \end{aligned}$ |  |  |  |  | $\begin{aligned} & \text { uary } 1 \text {, } \\ & 2004 \end{aligned}$ |
| Expense and Contingency Reserve |  |  | \$ |  | ,286,064 |  |  | \$ |  | 63,788,756 |
| Market Value, excluding Expens | \& Contingency | Reserve |  |  | ,577,177 |  |  |  |  | 925,312,217 |
| Actuarial Value |  |  |  |  | ,328,638 |  |  |  |  | 901,996,455 |
| SYSTEM LIABILITIES |  |  |  |  |  |  |  |  |  |  |
| Unfunded Actuarial Accrued Lia | ility |  | \$ |  | ,080,664 |  |  | \$ |  | 172,263,173 |
| Actuarial Present Value of Proje | ted Accrued Be | fits |  |  | ,897,316 |  |  |  |  | 998,767,881 |
| FUNDING RATIO |  |  |  |  |  |  |  |  |  |  |
| Actuarial Value Funding Ratio |  |  |  |  | 95.7\% |  |  |  |  | 90.3\% |
| Market Value Funding Ratio |  |  |  |  | 101.6\% |  |  |  |  | 92.6\% |

[^2]
## ACTUARIAL METHODOLOGY INTRODUCTION

The actuarial valuation of a defined benefit retirement system is comprised of two separate processes.

First, the actuarial present value, as of the valuation date, of both current and projected benefits to be paid under the plan is determined. In determining the actuarial present value of these benefits, actuarial assumptions must be made as to the number of participants eventually receiving benefits, the amount of benefits to be paid, and the portion of the benefit obligation to be covered by future investment earnings.

Second, the financing of these benefit obligations on an advance basis is established. An actuarial cost method is applied to establish the NORMAL COST, which is the rate at which future costs will accrue annually after the valuation date. The actuarial cost method is applied to determine the ACTUARIAL ACCRUED LIABILITY, which is the amount of cost that has accrued as of the valuation date.

## ACTUARIAL ASSUMPTIONS

The true cost of a member's retirement benefit is not known until he or his beneficiary has received the final benefit payment. Consequently, the exact cost of system benefits for the current employee group will not be determinable for 50 to 75 years. Since provisions for this cost must be made prior to the exact determination, a model is established that will estimate the future cost of system benefits. The model utilizes parameters that require assumptions as to the future occurrences of various events affecting the demographic profile of the employee group and the assets of the system. Such actuarial assumptions include death, retirement, termination, disability, salary increases and investment return. Current and long-term economic factors, the nature of the employer's business and significant features of the system must be considered in the selection of a set of actuarial assumptions to assure the reasonableness of the results predicted by the assumptions.

While care is taken in the selection of actuarial assumptions, actual experience is expected to deviate from these assumptions over the short term. The suitability of actuarial assumptions is measured by how closely the experience of the system, on a long-term basis, conforms to projected results. Deviations from projected results are called actuarial gains and losses. Periodic actuarial valuations measure
the extent of these gains and losses as of a valuation date. If either actuarial gains or losses predominate, then it is possible that one or more of the actuarial assumptions is no longer appropriate. Thus, actuarial assumptions must be continually monitored for reasonableness and subsequent cost estimates may be modified accordingly. While individual assumptions are intended to be representative, it is the aggregate effect of all actuarial assumptions working together that determines their appropriateness.

An analysis of the experience of the Retirement System for the five-year period ending December 31, 2000 was performed. On the basis of that analysis, several actuarial assumptions were changed effective with the January 1, 2002 valuation. The next scheduled experience analysis is for the five-year period ending December 31, 2005.

## ACTUARIAL LIABILITIES

Actuarial liabilities include the actuarial present value of all future benefits and expenses. To determine the actuarial present value of all future benefits, the probability of future events that establish benefit payments is forecast utilizing the actuarial assumptions. System provisions and current member data are used to forecast the amount of benefits to be paid. Assumptions for survival among retired members and beneficiaries are used to estimate the duration of these benefit payments. Each probable benefit payment is then discounted to the valuation date using the actuarial assumption for investment return. These discounted payments are then summed to arrive at the total actuarial present value of benefits.

## ACTUARIAL ASSETS

The actuarial assets at any time are equal to the sum of present assets, valued on an actuarial basis, plus future assets. Future assets will result from future contributions and future investment return on all assets.

## ASSET VALUATION METHOD

The actuarial value of other assets is determined using the assumed yield method of valuing assets, less the Expense and Contingency Reserve. Under the assumed yield asset valuation method, the prior year's actuarial value is increased at the assumed

## ACTUARIAL METHODOLOGY (continued)

rate of return with appropriate adjustments for contributions and disbursements to produce an expected actuarial value of assets at the end of the year. The expected actuarial value is compared to the market value of assets, and $20 \%$ of the difference is added to the expected actuarial value. The Expense and Contingency Reserve is excluded from the calculation to produce the actuarial value of assets.

## ACTUARIAL BALANCE SHEET

The actuarial balance sheet of a retirement system displays the fundamental financial status of the system on the valuation date. As stated previously, the system liabilities are the sum of the actuarial present values of all future projected benefit payments to current active and inactive plan members and beneficiaries. Current assets, valued on an actuarial basis, plus the actuarial present value of future employer and employee contributions comprise the total actuarial assets of the system.

The actuarial present value of future employer contributions is the only item on the balance sheet that is not directly determined by the system provisions, current assets, member data and actuarial assumptions. In fact, the actuarial present value of future employer contributions is the balancing item and reflects the future employer funding requirements based on the existing member population.

## ACTUARIAL COST METHOD

To determine the funding requirements of the system, it is necessary to employ an actuarial cost method. The choice of the cost method does not affect the balance sheet financial status, which is a function only of the system provisions, actuarial assumptions, member data and assets. However, the actuarial cost method has a direct impact on the incidence of the funding requirements. The actuarial cost method allocates the actuarial present value of future employer contributions between the past and future, and thus establishes the Unfunded Actuarial Accrued Liability (UFAAL) and the Normal Cost.

The actuarial cost method is the "frozen entry age actuarial cost method." Entry age is determined at the date each member would have entered the system. On the initial actuarial valuation date for which the cost method is used, the annual cost accruals (individual normal costs for each member) are determined as a level percentage of pay for each year from entry age until retirement or termination. The sum of these individual normal costs for all active members whose attained ages are under the assumed retirement age is the normal cost for the initial plan year. The excess of all normal costs falling due prior to the initial actuarial valuation date, accumulated with interest, over the plan assets represents the initial UFAAL.

In subsequent years, the unfunded actuarial accrued liability is frozen, that is, it increases only because of the accrual of interest and additional normal costs, and decreases only as a result of contributions. Supplements to the UFAAL can occur for plan amendments or actuarial assumption changes. Supplements are determined by computing the change in the actuarial accrued liability as of the valuation date coincident with or next following the change. The UFAAL was originally determined and frozen as of January 1, 1981. Effective January 1, 2002, UFAAL was redetermined and the difference between the new and old UFAAL will be phased in over five years.

Subsequent normal costs are calculated as the level percentage of pay required to fund the excess of the actuarial present value of future benefits over the sum of the actuarial value of assets and the remaining UFAAL.

The funding requirement for each plan year is the sum of the "normal cost contribution" (equal to the normal cost for that year), plus the "actuarial accrued liability contribution." The "actuarial accrued liability contribution" is the payment required to amortize the UFAAL over 30 years.

## ACTUARIAL ASSUMPTIONS

The following actuarial assumptions were used in the valuation:

Interest $-8 \%$ per annum, net of expenses.
Salary Scale - Salaries are assumed to increase at the rate of $4.5 \%$ per year.

Mortality - The 1983 Group Annuity Mortality Table for males and females is used for active members, retired members and beneficiaries.

Disability Mortality - Disability mortality rates are based on the actual experience of the Retirement System.

Disability - Disabilities are assumed to occur at rates based on the actual experience of the Retirement System.

Withdrawal - Select and ultimate rates based on actual experience of the Retirement System are used.

During the first three years of membership, the rates for members employed by employers other than Charter Schools are:

| Year of <br> Membership | $\underline{\text { Withdrawal Rate }}$ <br> Males | $\underline{\text { Females }}$ |
| :---: | :---: | :---: |
| 1 | $17.5 \%$ | $15.0 \%$ |
| 2 | $15.0 \%$ | $12.5 \%$ |
| 3 | $10.0 \%$ | $10.0 \%$ |

During the first three years of membership, the rates for members at Charter Schools are:

| Year of <br> Membership | $\underline{\text { Withdrawal Rate }}$ <br> Males |  |
| :---: | :---: | :---: | | $\underline{\text { Females }}$ |
| :---: |
| 1 |

Retirement - Retirements are assumed to occur at rates based on the actual experience of the Retirement System. For those eligible to retire under the Rule of 85 , it is assumed that $50 \%$ will retire when first eligible for unreduced benefits unless the age-related rate is greater, but not prior to 30 years of Credited Service.

Family Structure - The probability of a member being married and the probable number of children are based on a table constructed by the Social Security Administration, modified to reflect the experience of the Retirement System.

ACTUARIAL ASSUMPTIONS (continued)

## ACTIVE MEMBER RATES OF DECREMENT

| Attained Age | Withdrawal Rates |  | Disability Rates |  | Retirement |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Males | Females | Males | Females | Rate |
| 20 | 15.00\% | 15.00\% | .000\% | .000\% | 0.00\% |
| 25 | 12.50\% | 12.50\% | .000\% | .000\% | 0.00\% |
| 30 | 9.00\% | 9.00\% | .040\% | .040\% | 0.00\% |
| 35 | 7.00\% | 7.00\% | . $040 \%$ | . $040 \%$ | 0.00\% |
| 40 | 6.00\% | 6.00\% | .080\% | .075\% | 0.00\% |
| 45 | 3.00\% | 3.00\% | .150\% | .100\% | 0.00\% |
| 50 | 2.00\% | 2.00\% | .200\% | .150\% | 0.00\% |
| 55 | 1.50\% | 1.50\% | . $450 \%$ | . $250 \%$ | 5.00\% |
| 60 | 1.00\% | 1.00\% | .550\% | . $325 \%$ | 7.50\% |
| 65 | 0.00\% | 0.00\% | . $000 \%$ | .000\% | 35.00\% |
| 70 | 0.00\% | 0.00\% | .000\% | .000\% | 100.00\% |

## NON-DISABLED LIFE MORTALITY RATES

| Death Rate |  |  | Death Rate |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Male | Age | Female | Male | Age | Female |
| . 000860 | 35 | . 000476 | . 044597 | 75 | . 023992 |
| . 001238 | 40 | . 000665 | . 074070 | 80 | . 042945 |
| . 002183 | 45 | . 001010 | . 114836 | 85 | . 069918 |
| . 003909 | 50 | . 001647 | . 166307 | 90 | . 111750 |
| . 006131 | 55 | . 002541 | . 234086 | 95 | . 182419 |
| . 009158 | 60 | . 004241 | . 319185 | 100 | . 295187 |
| . 015592 | 65 | . 007064 | . 469531 | 105 | . 487816 |
| . 027530 | 70 | . 012385 | 1.000000 | 110 | 1.000000 |

## DISABLED LIFE MORTALITY RATES

(PER 1,000 DISABLED PENSIONERS)

| Death Rate |  |  | Death Rate |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Male | Age | Female | Male | Age | Female |
| 48.7 | 40 | 51.0 | 96.1 | 75 | 73.5 |
| 44.8 | 45 | 48.7 | 131.5 | 80 | 96.1 |
| 43.2 | 50 | 44.8 | 180.9 | 85 | 131.5 |
| 43.1 | 55 | 43.2 | 252.9 | 90 | 180.9 |
| 48.7 | 60 | 43.1 | 348.1 | 95 | 252.9 |
| 59.8 | 65 | 48.7 | 785.7 | 100 | 348.1 |
| 73.5 | 70 | 59.8 | 1000.0 | 101 | 1000.0 |

## ACTUARIAL BALANCE SHEET

## Actuarial Assets

| Actuarial value of present assets | $\$ 935,328,638$ |
| :--- | ---: |
| Actuarial present value of future member contributions | $89,633,820$ |
| Actuarial present value of future employer contributions for: |  |
| $\quad$ Normal Costs | $-11,564,266$ |
| $\quad$ Actuarial Accrued Liability | $149,080,664$ |
| Total present and future assets | $\$ 1,162,478,856$ |

## Actuarial Liabilities

Actuarial present value of benefits now payable
Actuarial present value of benefits payable in the future
Active members - New Plan 439,018,810
Active members -- Old Plan 0
Active members -- DROP 204,579,632
Members on leave of absence without pay 2,201,524
Terminated members
Total payable in the future
Total liabilities for benefits

6,561,991
\$ 510,116,899

2,201,524

## PROJECTED BENEFIT OBLIGATION FUNDING STATUS

## Projected Benefit Obligation at January 1, 2005:

Retired members and beneficiaries currently receiving benefits and terminated members not yet receiving benefits
Current active members:
Accumulated member contributions, including interest
\$ 518,880,414

Employer-financed vested benefits
Employer-financed non-vested benefits
Total Projected Benefit Obligation
At January 1, 2005, the Projected Benefit Obligation was funded as follows:
Net assets available for benefits at actuarial value \$ 935,328,638
Unfunded Projected Benefit Obligation 41,568,678
Actuarial value funding ratio
95.7\%

Net assets available for benefits at market value
Unfunded Projected Benefit Obligation
\$ 995,647,013

Market value funding ratio -18,749,697

## PRIORITIZED SOLVENCY TEST

The funding objective of the Retirement System is to meet long-term benefit promises through contributions that remain approximately level from year to year as a percentage of covered Compensation. If the contributions are level in concept and realistically determined, the System will pay all benefits when due -- the ultimate test of financial soundness. Testing for level contribution rates is the long-term solvency test.

A prioritized solvency test is an additional means of checking a system's progress under its funding program. In a prioritized solvency test, the plan's present assets (cash and investments) are compared with:
-- active member contributions, accumulated with interest;
-- the liabilities for future benefits to present inactive members and beneficiaries; and
-- the liabilities for service already rendered by active members.

In a system that has been following the discipline of level percent of payroll financing, the liabilities for active member accumulated contributions (liability 1) and the liabilities for future benefits to inactive members and beneficiaries (liability 2 ) will be fully covered by assets (except in unusual circumstances). In addition, the liabilities for service already rendered by active members (liability 3 ) are normally partially covered by the remainder of the present assets. Generally, if the system has been using level cost financing, the funded portion of liability 3 will increase over time. Liability 3 being fully funded does not necessarily result from level percent of payroll funding methods.

The schedule below illustrates the history of the liabilities of the system and is indicative of the system following the discipline of level percent of compensation funding.

Actuarial Present Value of Credited Projected Benefits

| Valuation <br> Date | Active Members' <br> Accumulated | Retirants, Inactive Members \& | Active Members <br> (Employer- | Actuarial Value | Percent of Present <br> Value Covered by Valuation Assets |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January 1 | Contributions | Beneficiaries | Financed) | of Assets | (1) | (2) | (3) |
| 1994 | 104,202,541 | 189,651,537 | 222,503,913 | 487,385,302 | 100 | 100 | 87 |
| 1995 | 108,933,074 | 204,234,143 | 226,947,717 | 519,088,399 | 100 | 100 | 91 |
| 1996 | 114,061,708 | 236,007,330 | 250,659,986 | 562,177,274 | 100 | 100 | 85 |
| 1997 | 118,041,749 | 272,393,748 | 251,827,653 | 598,638,356 | 100 | 100 | 83 |
| 1998 | 122,227,173 | 296,455,647 | 252,445,749 | 644,429,672 | 100 | 100 | 90 |
| 1999 | 130,705,014 | 276,290,128 | 303,953,494 | 694,250,672 | 100 | 100 | 95 |
| 2000 | 129,398,364 | 353,852,977 | 288,213,016 | 770,090,498 | 100 | 100 | 100 |
| 2001 | 127,086,325 | 414,052,293 | 269,590,438 | 828,097,298 | 100 | 100 | 100 |
| 2002 | 116,506,785 | 476,104,516 | 372,221,726 | 861,128,076 | 100 | 100 | 72 |
| 2003 | 115,570,837 | 492,633,382 | 361,818,972 | 873,260,102 | 100 | 100 | 73 |
| 2004 | 106,021,476 | 528,287,121 | 364,459,284 | 901,996,455 | 100 | 100 | 73 |
| 2005 | 89,710,662 | 518,880,414 | 368,306,240 | 935,328,638 | 100 | 100 | 89 |

## ACTUARIAL VALUE OF ASSETS

This section of the report shows the development of the actuarial value of the assets of the System and provides information regarding the Expense and Contingency Reserve, investment results and the various assets of the System.

The amount of assets used in the actuarial valuation is known as the "actuarial value of assets". The method is discussed on pages 28 and 29 of this Report and the development of the actuarial value of assets is shown in the table below. An important element in the development of the actuarial value of assets is the Expense and Contingency Reserve (called the Expense Fund prior to 1988). The amount of the Reserve is determined pursuant to a policy adopted by the Board of Trustees. The history of the Reserve is presented on page 37 of this Report.

As shown on page 38 of this Report, the fund had a rate of return of $8.68 \%$ on an actuarial value basis. This was $0.68 \%$ above the assumed rate of return of $8.0 \%$ for 2004. In accordance with Rule XI, $\$ 7,355,900$ was added to the investment contingency portion of the Reserve, because the preliminary actuarial rate of return exceeded the assumed rate of return by more than $1 \%$.

The rate of return on an actuarial value basis is intended to be a stable rate of return and fluctuate less than rates of return on book or market value basis. Thus, the rate of return on an actuarial basis is not always a fair measure of the investment performance of the fund. Another indicator of actual performance during the year is the rate of return on a market value basis of $12.504 \%$, also presented on page 38 of this Report.

## DEVELOPMENT OF THE ACTUARIAL VALUE OF ASSETS

(1) Actuarial value of assets as of January 1, 2004
$\$ 901,996,455$
(2) Member contributions
(3) Employer contributions
(4) Benefit payments and expenses 85,267,942
(5) Investment increment at $8.0 \%$ 69,182,025
(6) Expected actuarial value on January 1, 2005:
$(1)+(2)+(3)-(4)+(5)$
922,088,019
(7) Market value of assets on January 1, 2005 1,060,577,177
(8) Expense and Contingency Reserve on January 1, 2005 64,930,164
(9) Adjustment to the Contingency Reserve on January 1, 2005

7,355,900
(10) Excess of market value over expected actuarial value: (7) - (8) - (6) 66,203,094
(11) Market value adjustment: $20 \% \times(10)$ 13,240,619
(12) Actuarial Value of Assets as of January 1, 2005: (6) $+(11)$ 935,328,638

## EXPENSE AND CONTINGENCY RESERVE

Effective January 1, 1996 the Board of Trustees revised Rule XI, which governs the determination of the amount of the Expense and Contingency Reserve. The expense portion of the Reserve is the sum of:
(1) The estimated annual operating expenses for the ensuing year:
(2) An amount equal to the liability for non-insurance supplements;
(3) An amount equal to the liability for insurance supplements for those members participating in the program on January 1; and
(4) The estimated amount of insurance supplements to be paid for members expected to retire and participate in the program during the ensuing year.

The contingency portion of the Reserve is intended to cover significant shortfall in the rate of return. When a shortfall of more than $1 \%$ occurs, the Reserve is used to reduce the amount of the shortfall. When the rate of return exceeds the assumed rate of return by more than $1 \%$, an addition is made to the Reserve according to a formula in Rule XI.

Below is a history of the Expense and Contingency Reserve:

| January 1 | Expense Reserve |
| :---: | :---: | :---: |
| 1996 | $\$ 33,702,346$ |
| 1997 | $25,403,190$ |
| 1998 | $30,891,555$ |
| 1999 | $22,142,759$ |
| 2000 | $27,992,032$ |
| 2001 | $29,837,776$ |
| 2002 | $23,527,529$ |
| 2003 | $24,952,255$ |
| 2004 | $26,028,780$ |
| 2005 | $27,170,188$ |

## Investment Contingency

Reserve
\$0
5,220,821
24,100,041
45,972,067
50,003,862
50,003,743
50,003,743
37,759,976
37,759,976
45,115,876

Total Expense and Contingency Reserve
\$33,702,346
30,624,011
54,991,596
68,114,826
77,995,894
79,841,519
73,531,272
62,712,231
63,788,756
72,286,064

## Actuarial Information

## INVESTMENT PERFORMANCE

There are several different methods of approximating the rates of return on investments of the Trust Fund. Following is a brief comparison of the actuarial assumed rate of return as compared with rates of return on Market and Actuarial Value bases:

## (a) Market Value Basis

The rate of return on a Market Value Basis is the ratio of the appreciation (or depreciation) of assets less contributions plus disbursements to the Market Value at the beginning of the year plus the average of the receipts and disbursements made during the year. This may be approximated as follows:
(i) $\quad \mathrm{A}=$ Market Value of Assets as of January 1, $2004 \quad \$ 989,100,973$
(ii) $\quad \mathrm{B}=$ Market Value of Assets as of January 1, $2005 \quad 1,060,577,177$
(iii) $\mathrm{C}=$ Contributions during the period 36,177,481
(iv) $\mathrm{D}=\mathrm{D}$ isbursements during the period $85,267,942$
(v) Rate of Return:
$\underline{B-A+D-C}$
A $+1 / 2(C-D)$
$12.50 \%$
(vi) Actuarial Assumed Rate of Return for $2004 \quad 8.00 \%$
(vii) Difference between actual and assumed rates of return: (v) - (vi) $4.50 \%$

## (b) Actuarial Value Basis

The rate of return on an Actuarial Value Basis is approximated using the same method as the Market Value Basis:
(i) $\quad \mathrm{A}=$ Actuarial Value of Assets as of January 1, 2004 \$ 901,996,455
(ii) I = Income Allocated as of January 1, $2005 \quad 75,066,744$
(iii) $\mathrm{C}=$ Contributions during the period, time-weighted 5,940,327
(iv) $\mathrm{D}=\mathrm{Disbursements} \mathrm{during} \mathrm{the} \mathrm{period}, \mathrm{time-weighted} \mathrm{42,633,971}$
(v) Rate of Return:
$\frac{I}{A+C-D}$
8.68\%
(vi) Actuarial Assumed Rate of Return for $2004 \quad 8.00 \%$
(vii) Difference between actual and assumed rates of return: (v) - (vi) 0.68\%

## MEMBERSHIP AND BENEFITS PAID AS OF JANUARY 1, 2005

|  | Males | Females | Total |
| :--- | ---: | ---: | ---: |
| ACTIVE MEMBERS |  |  |  |
| $\quad$ Old Plan | 1,360 | 3,623 | 4,983 |
| New Plan | $\underline{115}$ | $\underline{451}$ | $\underline{566}$ |
| DROP | 1,475 | 4,074 | 5,549 |
| Total Active |  |  |  |
| INACTIVE MEMBERS | $\underline{134}$ | $\underline{414}$ | $\underline{548}$ |
| $\quad$ Terminated or Leave of Absence Without Pay | 1,609 | 4,488 | 6,097 |
| $\quad$ Total Members Not Retired |  |  |  |
| RETIRED MEMBERS AND BENEFICIARIES | 870 | 2,191 | 3,061 |
| $\quad$ Retired Members and Contingent Annuitants | $\underline{85}$ | 227 | 267 |
| Survivors | $\underline{995}$ | $\underline{2,611}$ | $\underline{\underline{3,606}}$ |
| Disabled Members | 2,604 | 7,099 | 9,703 |


| NUMBER OF RETIRED MEMBERS AND BENEFICIARIES |  |  |  |  |  |
| :---: | ---: | ---: | ---: | ---: | ---: |
|  | Option | Service Benefit | $\underline{\text { Disability Benefit }}$ | $\underline{\text { Survivor Benefit }}$ | $\underline{\text { TSA Benefit }}$ |
| 0 | 2,613 | 241 | 267 | 49 |  |
| 1 | 123 | 14 | 0 | 4 |  |
| 2 | 80 | 4 | 0 | 1 |  |
| 3 | 118 | 8 | 0 | 1 |  |
| 4 | 122 | 4 | 0 | 2 |  |
| 5 | 3 | 4 | 0 | 0 |  |
| 6 | 2 | 3 | 0 | 0 |  |
| Total | $\mathbf{3 , 0 6 1}$ | $\mathbf{2 7 8}$ | $\mathbf{2 6 7}$ | 0 |  |
|  |  |  | $\mathbf{5 6}$ |  |  |

## AMOUNT OF ANNUAL BENEFIT

| Option | Service Benefit | Disability Benefit | $\underline{\text { Survivor Benefit }}$ | TSA Benefit |
| :---: | ---: | ---: | ---: | ---: |
| 0 | $\$ 45,674,032$ | $\$ 2,259,788$ | $\$ 2,242,183$ | $\$ 163,317$ |
| 1 | $1,831,011$ | 194,141 | 0 | 15,656 |
| 2 | $1,479,846$ | 68,806 | 0 | 1,009 |
| 3 | $2,123,723$ | 83,275 | 0 | 9,996 |
| 4 | $2,649,298$ | 64,157 | 0 | 0 |
| 5 | 98,296 | 67,384 | 0 | 0 |
| 6 | 21,945 | 58,419 | 0 | 0 |
| Total | $\mathbf{\$ 5 3 , 8 7 8 , 1 5 1}$ | $\mathbf{\$ 2 , 7 9 5 , 9 7 0}$ | $\mathbf{\$ 2 , 2 4 2 , 1 8 3}$ | $\mathbf{\$ 1 8 9 , 9 7 8}$ |

## Background

The Public School Retirement System of the City of St. Louis (PSRSSTL) was established and became effective January 1,1944 . It provides retirement, disability, death, and survivor benefits for eligible employees of the St. Louis Public School District, employees of Charter Schools located in St. Louis, employees of the Retirement System, and certain employees of Harris-Stowe State College.
Members of PSRSSTL are also covered by Social Security, and are eligible for full Social Security benefits in addition to their benefits from PSRSSTL.

PSRSSTL benefits are funded by a combination of member contributions, employer contributions, and investment earnings on PSRSSTL assets. Eligible employees of the School District, Charter Schools and the Retirement System are required to participate.
A summary of the primary benefit provisions of PSRSSTL as of December 31, 2003 follows. These provisions apply for all but a few active members who elected to remain under provisions of the law as of October 13, 1961.
Actual benefits and eligibility for benefits are described in detail in statutes of the State of Missouri and PSRSSTL Rules and Regulations. In any circumstance where there appears to be a discrepancy between this summary and actual statutes or PSRSSTL Rules and Regulations, the law and the Rules and Regulations will govern.

## Eligibility for Benefits

Normal Pension
Members become eligible for Normal Pension when they attain age 65 or when the sum of their years of Credited Service plus their age equals at least 85 (known as the Rule of 85).

## Early Pension

Members at least age 60 with five or more years Credited Service who do not satisfy the eligibility requirements for a Normal Pension may elect a reduced Early Pension.

## Disability Pension

Members unable to perform their job duties due to physical or mental incapacity who are not eligible for Normal Pension will qualify for Disability Pension if: (a) they have at least five years Credited Service, and (b) they are recommended for Disability Pension by the Medical Board, and (c) their Disability Pension is approved by the Board of Trustees.

## Benefit Amounts

Benefit calculations require determining a member's:
Average Final Compensation - defined as the average of a member's Compensation for the highest consecutive three years out of the last ten years of service,

Compensation - includes a member's "regular" pay and employer contributions for a member's fringe benefits, but does not include overtime pay or pay for such services as extracurricular activities and summer school, and

Credited Service - defined as membership service plus any service credit that a member has purchased pursuant to state statutes. In addition, unused sick leave at the time of retirement is added to a member's age and years of Credited Service.

## Normal Pension

A Normal Pension is a lifetime monthly benefit equal to $2.0 \%$ of a member's Average Final Compensation multiplied by the member's years of Credited Service; however, the monthly benefit will not exceed $60 \%$ of the member's Average Final Compensation. In addition, members retiring at or after attaining age 65 with at least five years of Credited Service will be entitled to a minimum monthly benefit equal to $\$ 10$ for each year of Credited Service up to $\$ 150$.

## Early Pension

An Early Pension is a lifetime monthly benefit calculated in the same manner as a Normal Pension; however, an Early Pension is reduced by $5 / 9$ of $1 \%$ for each month by which a member's Early Pension date precedes the date on which the member would become eligible for a Normal Pension.

## Disability Pension

A Disability Pension is a lifetime monthly benefit (subject to verification of continued disability and certain earnings limitations) that is the greater of (a) a benefit calculated in the same manner as a Normal Pension as if the member were age 65 , or (b) onefourth $(1 / 4)$ of a member's Average Final Compensation; however, a Disability Pension cannot exceed what a member's Normal Pension would have been if the member had continued to work until he/she became eligible for Normal Pension.

## Benefit Payment Options

Members may elect an optional form of payment that will coordinate their monthly pension benefits with estimated Social Security benefits and/or that will pay them reduced monthly pension benefits so that payments can continue to an Option Beneficiary after their death. The amount of the reduction is determined by the difference in age between a member and his/her Option Beneficiary.
Seven Benefit Payment Options are available.
> Option 1 provides that upon a member's death, the member's reduced monthly benefit will continue to the member's Option Beneficiary for the Option Beneficiary's lifetime.
> Option 2 provides that upon a member's death, onehalf $(1 / 2)$ of the member's reduced monthly benefit will continue to the member's Option Beneficiary for the Option Beneficiary's lifetime.
> Option 3 is like Option 1, except that if the Option Beneficiary predeceases the member, the member's monthly benefit increases to what it would have been if the member had not elected a Benefit Payment Option.
> Option 4 is like Option 2, except that if the Option Beneficiary predeceases the member, the member's monthly benefit increases to what it would have been if the member had not elected a Benefit Payment Option.
> Option 5 provides that a member's monthly pension benefit prior to age 62 will be increased to an amount such that his/her monthly pension benefit prior to age 62 will be approximately equal to the sum of his/her monthly pension benefit after age 62 plus estimated Social Security benefits.
> Option 6 is a combination of Options 1 and 5. Option 6 provides a monthly pension benefit that adjusts for a member's estimated Social Security benefits based on the date the member will attain age 62 , or would have attained age 62 , and provides that upon the member's death, the amount of the member's adjusted monthly pension benefit will continue to the member's Option Beneficiary for the Option Beneficiary's lifetime.
> Option 7 is a combination of Options 2 and 5. Option 7 provides a monthly pension benefit that adjusts for the member's estimated Social Security benefits based on the date the member will attain age 62 , or would have attained age 62 , and provides that upon the member's death, one-half of the amount of the member's adjusted monthly pension
benefit will continue to the member's Option Beneficiary for the Option Beneficiary's lifetime.

## Death and Survivor Benefits

Upon the death of an active member, the member's beneficiary(ies) is entitled to a refund of the member's accumulated contributions plus interest thereon.
Upon the death of an active member with at least 18 months of Credited Service, or upon the death of a member on Disability Pension, an eligible beneficiary(ies), (or if there is no surviving beneficiary, the unmarried dependent child(ren) of the member who are under age 22) may elect one of the survivor benefits set forth below in lieu of a refund of the member's accumulated contributions.

In the context of discussing survivor benefits:
An "eligible beneficiary" is the surviving spouse, an unmarried dependent child(ren) under age 22 , or a dependent parent(s) of the member, if designated as beneficiary.
A "dependent" is an individual(s) who was receiving at least one-half of his/her support from the member at the member's death.

1. A surviving spouse who was married to the member for at least one year, and who is at least age 62 (or upon attaining age 62), may elect to receive $\$ 60$ per month.
2. A surviving spouse who cares for an unmarried dependent child(ren) of the deceased member who is under the age of 22 may elect to receive $\$ 60$ per month plus $\$ 60$ per month per dependent child up to a maximum of $\$ 240$ per month.

If the surviving spouse is under age 62 when the youngest eligible child reaches the age of 22 , the benefit will cease, but will resume when the surviving spouse attains age 62.
3. If no benefits are payable under 2 above, an unmarried, dependent child(ren) under age 22 may receive $\$ 60$ per month. If there are more than three eligible children, $\$ 180$ per month will be shared equally.
4. If no benefits are payable at any time under 1,2 , or 3 above, upon attaining age 62 , a dependent parent who has not remarried may receive $\$ 60$ per month, or if two dependent parents are eligible, $\$ 60$ per month will be shared between them.

## Summary of Benefits

Upon the death of an active member with at least five years of Credited Service, if the member designated a dependent beneficiary, the beneficiary may elect to receive the member's pension benefit under Benefit Payment Option 1 in lieu of receiving a refund of the member's accumulated contributions and interest thereon.

If the deceased member was less than age 60 at the time of death, the Option 1 payment due the dependent beneficiary will be computed as if the deceased member had attained age 60 and retired under Option 1 as of the date of his/her death.

In addition, if a beneficiary who is eligible for Option 1 benefit payments is the surviving spouse of the deceased member, such surviving spouse shall receive $\$ 60$ per month for each unmarried dependent child of the deceased member who is under age 22 and is under the care of the surviving spouse. If there are more than three eligible children, $\$ 180$ per month will be shared equally.

## Termination of Employment

## Refund

Upon employment separation, members are entitled to a refund of their accumulated contributions with interest thereon.

## Rollover

At a member's election, that portion of a refund that is eligible for rollover treatment may be transferred to a member's IRA or to another qualified plan to preserve its tax-deferred status. Rollovers are subject to applicable provisions of the Internal Revenue Code at the time of the distribution.

## Pension Benefit

In lieu of a refund or rollover, members with five or more years of Credited Service may elect to leave their contributions with the Retirement System and receive a Normal or Early Pension upon becoming eligible. The benefit paid to a terminated, vested member is based on the member's Credited Service, Average Final Compensation, and benefit provisions in effect at the time of the member's employment termination.

## PSRSSTL Funding

PSRSSTL is funded by:
Member Contributions
Except members employed by Harris-Stowe State College, active members are required to contribute $5.0 \%$ of their Compensation. Member contributions are withheld from members' pay on a tax-deferred basis.

## Employer Contributions

An actuarial valuation of PSRSSTL that determines the required contribution is conducted annually. Based on the valuation, employer contributions are equal to the actuarially required contribution less the portion that members contribute.

## Investment Income

The assets of the Retirement System are invested and generate income that is used to fund benefits and pay expenses.

## Health Insurance

PSRSSTL makes a variety of medical, dental, and vision insurance plans available to retired members, their spouses, and eligible dependent children. PSRSSTL pays a portion of the premiums for retired members. Retired members pay the remainder of the cost for their own coverage, if any, and all the cost of any dependent coverage they elect. On an annual basis, retired members are permitted to make changes to their medical, dental, and vision insurance.
Surviving spouses of deceased retired members are eligible to retain health care insurance after the death of the member.

Surviving spouses of deceased active members who elect to receive monthly benefit payments under Option 1 may also be eligible for health insurance coverage for themselves and for otherwise eligible children of deceased active members.

## COLAs

Cost of Living Adjustments (COLAs) are paid to retired members and surviving beneficiaries when such COLAs are approved by both the Board of Education and the Board of Trustees.

The information presented below shows how member benefit payments have increased and how the assets of the Retirement System have grown since the Retirement System was established in 1944.



## INVESTMENT \& CONTRIBUTION GROWTH

(000's omitted)


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Celebrating Excellence! PSRSSTL


[^0]:    Projected Benefit Obligations $\qquad$ . $976,897,316$
    Net Assets Available for Benefits
    Actuarial Value of Assets $\qquad$
    Market Value of Assets $\qquad$ .\$1,060,577,177

    Funding Ratio (Assets $\div$ Obligations)
    Actuarial Value Funding Ratio $\qquad$
    Market Value Funding Ratio $\qquad$ 101.9\%

[^1]:    * Carried at Cost Value

[^2]:    *Prior year shown for comparison purposes only.

