

**Comprehensive Annual Financial Report
Of the
Michigan State Employees' Retirement
System**

A Pension Fund of the State of Michigan

For the Fiscal Year Ended September 30, 2005

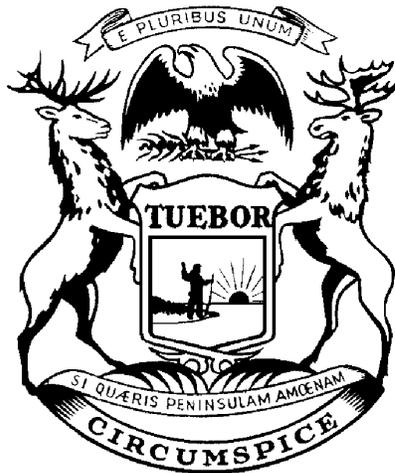


M S E R S

**Prepared by:
Financial Services
For
Office of Retirement Services**

Michigan State Employees' Retirement System
A Pension Trust Fund of the State of Michigan

**Comprehensive Annual Financial Report
for the Fiscal Year Ended September 30, 2005**



M S E R S

Prepared by:
Financial Services
for
Office of Retirement Services
P.O. Box 30171
Lansing, Michigan 48909-7671
517-322-5103
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INTRODUCTORY SECTION

Certificate of Achievement
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Retirement Board Members
Advisors and Consultants
Organization Chart

INTRODUCTORY SECTION

Certificate of Achievement

Certificate of Achievement for Excellence in Financial Reporting

Presented to

Michigan State Employee's Retirement System

For its Comprehensive Annual
Financial Report
for the Fiscal Year Ended
September 30, 2004

A Certificate of Achievement for Excellence in Financial Reporting is presented by the Government Finance Officers Association of the United States and Canada to government units and public employee retirement systems whose comprehensive annual financial reports (CAFRs) achieve the highest standards in government accounting and financial reporting.



Nancy L. Zields

President

Jeffrey R. Emer

Executive Director

Public Pension Standards Award



**Public Pension Coordinating Council
Public Pension Standards
2005 Award**

Presented to

Michigan Office of Retirement Services

In recognition of meeting professional standards for
plan design and administration as
set forth in the Public Pension Standards.

Presented by the Public Pension Coordinating Council, a confederation of

National Association of State Retirement Administrators (NASRA)
National Conference on Public Employee Retirement Systems (NCPERS)
National Council on Teacher Retirement (NCTR)

A handwritten signature in cursive script that reads "Alan H. Winkle".

Alan H. Winkle
Program Administrator

INTRODUCTORY SECTION

Letter of Transmittal

State Employees' Retirement System
P.O. Box 30171
Lansing, Michigan 48909
Telephone 517-322-5103
Outside Lansing 1-800-381-5111

STATE OF MICHIGAN

JENNIFER M. GRANHOLM, Governor

DEPARTMENT OF MANAGEMENT AND BUDGET

December 5, 2005

The Honorable Jennifer M. Granholm
Governor, State of Michigan,

Members of the Legislature
State of Michigan,

Retirement Board Members
and
Members, Retirees and Beneficiaries

Ladies and Gentlemen:

We are pleased to present the comprehensive annual financial report of the Michigan State Employees' Retirement System (System) for fiscal year 2005.

INTRODUCTION TO REPORT

The System was established by legislation under Public Act 240 of 1943 (the Michigan State Employees' Retirement Act) and is administered by the Office of Retirement Services (ORS). The number of active and retired members and beneficiaries of the System and a list of participating employers is presented in Note 1 of the financial statements in the Financial Section of this report. The purpose of the System is to provide benefits for all State Employees. The services performed by the staff provide benefits to members.

Responsibility

Responsibility for both the accuracy of the data and the completeness and fairness of the presentation, including all disclosures, rests with the leadership team of the System. To the best of our knowledge and belief, the enclosed data is accurate in all material respects and is reported in a manner designed to present fairly the financial position and results of operations of the System.

Internal Control Structure

The leadership team of the System is responsible for maintaining adequate internal accounting controls designed to provide reasonable assurance that transactions are executed in accordance with management's general or specific authorization, and are recorded as necessary to maintain accountability for assets and to permit preparation of financial statements in accordance with accounting principles generally accepted in the United States of America. The internal

INTRODUCTORY SECTION

Letter Of Transmittal (Continued)

control structure is designed to provide reasonable assurance regarding the safekeeping of assets and reliability of all financial records.

Independent Auditors

Andrews Hooper & Pavlik P.L.C., independent auditors, conducted an annual audit of the System. The independent auditor's report on the System's financial statements is included in the Financial Section of this report.

Statute requires an annual actuarial valuation be conducted. The purpose of the valuation is to evaluate the mortality, service, compensation and other financial experience of the System and to recommend employer-funding rates for the subsequent year. This annual actuarial valuation was completed by The Segal Company for the fiscal year ended September 30, 2004. Actuarial certification and supporting statistics are included in the Actuarial Section of this report.

Report

The 2005 comprehensive annual financial report is presented in five sections. The Introductory Section contains the transmittal letter and identifies the administrative organization and professional consultants used by the System. The Financial Section contains the independent auditor's report, management's discussion and analysis, financial statements and notes of the System and certain supplemental schedules. The Investment Section summarizes investment activities. The Actuarial Section contains the independent consulting actuary's certification, an outline of actuarial assumptions and methods, and other actuarial statistics. The Statistical Section contains statistical tables of significant data pertaining to the System.

Management's Discussion and Analysis (MD&A)

Generally Accepted Accounting Principles (GAAP) require that management provide a narrative introduction, overview, and analysis to accompany the Basic Financial Statements in the form of MD&A. This letter of transmittal is intended to complement MD&A and should be read in conjunction with it. The MD&A can be found immediately following the Independent Auditor's Report.

PROFILE OF THE GOVERNMENT

The System was established by Public Act 240 of 1943 and is administered by a nine-member board under the direction of the Executive Secretary. Public Act 216 of 1974 eliminated the requirement for member contributions and provided for financing by legislative appropriation and investment earnings.

Effective March 31, 1997, Public Act 487 of 1996 closed the plan to new applicants. All new employees become members of the State's defined contribution plan. The public act also allows for returning employees and members who left state employment on or before March 31, 1997, to elect the defined benefit plan instead of the define contribution plan.

ECONOMIC CONDITIONS AND OUTLOOK

Despite challenging economic times, the System continues to show strong performance.

Investments

The State Treasurer is the investment fiduciary and custodian of all investments of the System pursuant to State law. The primary investment objective is to maximize the rate of return on the total investment portfolio, consistent with a high degree of prudence and sufficient diversity to eliminate inordinate risks and to meet the actuarial assumption for the investment return rate. The investment activity for the year produced a total rate of return on the portfolio of 12.8%. For the last five years, the System has experienced an annualized rate of return of 2.9%. A summary of asset allocation and rates of return can be found in the Investment Section of this report.

INTRODUCTORY SECTION

Letter Of Transmittal (Continued)

Accounting System

Transactions of the System are reported on the accrual basis of accounting. Revenues are recorded when earned and expenses are recorded when incurred. Participants' benefits are recorded when payable by law. We believe the accounting and administrative internal controls established by the System provide reasonable assurance the System is carrying out its responsibilities in safeguarding its assets, in maintaining the reliability of financial records for preparing the financial statements, and in maintaining accountability for its assets.

Funding

Funds are derived from the excess of additions to plan net assets over deductions from plan net assets. Funds are accumulated by the System in order to meet future benefit obligations to retirees and beneficiaries. The percentage computed by dividing the actuarial value of assets by the actuarial accrued liability is referred to as the "funded ratio." This ratio provides an indication of the funding status of the System and generally, the greater this percentage, the stronger the System. Effective in fiscal year 2001, the System used the valuation from the previous fiscal year for this report. This approach is consistent with Governmental Accounting Standards Board (GASB) Statement Number 25. Consistent with this approach, the most recent actuarial valuation was performed as of September 30, 2004. The actuarial value of the assets and actuarial accrued liability of the System were \$10.1 billion and \$12.0 billion, respectively, resulting in a funded ratio of 84.5% on September 30, 2004. A historical perspective of funding levels for the System is presented on the Schedule of Funding Progress in the Required Supplementary Information in the Financial Section of this report.

Postemployment Benefits

The System also administers the postemployment health benefits (health, dental and vision) offered to retirees. The benefits are funded on a cash or "pay-as-you-go" basis. An actuarial valuation was completed as of September 30, 2004, to determine the actuarial accrued liability if the benefits were to be pre-funded. If these benefits were pre-funded, the actuarial accrued liability for these benefits would be approximately \$6.5 billion and the employer contribution for health care benefits would be 23.1% of payroll. Only members of the defined benefit plan were included when calculating the actuarial accrued liability.

MAJOR GOALS ACCOMPLISHED

The Michigan Department of Management and Budget, Office of Retirement Services continues to anticipate and rise to the demands of an increasing and longer-lived retirement population. ORS is committed to being responsive to our customers' needs through the thoughtful application of technology and the streamlining of processes. In this fiscal year, we reaped the initial benefits of our Vision ORS technology in mail management, employer reporting and customer call management and settled in to work on the next set of system improvements. Here are some of the highlights.

Focus on our Customer

To ensure we are giving customers the best possible service, ORS implemented a quality monitoring system in the call center. Through this tool, managers and employees can and do listen to their calls in an effort to improve and maintain the highest quality response/interaction with customers. These calls, selected at random, are evaluated for completeness, quality and courtesy of the responses. This training and staff management tool has served to validate the quality we already offer and allow us to focus training and coaching in the right areas.

The state HR offices who deliver wages and service information for active members (through the Human Resource Management Network) are also key customers. This year, we strengthened our services to them starting with a complete revision of our Administrative Seminar which we delivered to over 350 of our HR customers. While these meetings are our most personal contact with the employers, we also revised the employer website and used email to deliver breaking news.

INTRODUCTORY SECTION

Letter Of Transmittal (Continued)

Substantial redesign of the website allows members to find general information about their retirement plan at their convenience. The site continues our life stages education program by segmenting information along career and life events. We also introduced a new brochure, *If You Become Disabled*, for members facing serious injury or illness.

Continuously Improve Processes

Pension plan contributions were adjusted down in 2005 with the continued implementation of the results of our 5-year actuarial study. From this study, we were able to update actuarial assumptions; which meant employers saw lower contribution rates than those originally projected.

Promote a Positive Work Environment

The 2005 fiscal year was a time to focus on who we are and what we believe. ORS participated with all of state government in living the values of Integrity, Inclusion, Teamwork and Excellence. As part of that effort, all managers and supervisors participated in an MI-360 evaluation. This evaluation gave staff insight as to how they were perceived by their direct reports, their peers and their managers. This enlightening training has helped ORS managers become more effective and understanding leaders. In addition to the MI-360, ORS embarked on organization wide Foundation Training. This training helped all staff understand our process-based organization, why it is successful, and how each person contributes to making ORS even more successful.

To promote a safe working atmosphere, ORS articulated and documented the safeguards needed to protect ORS's staff, equipment, data and property. From what to do in case of a fire to discontinuing system access when an employee leaves, the Security Handbook addresses the steps needed to keep our employees safe and our data secure. We also renovated our Detroit office in a way that preserves the confidentiality of our customer conversations, but provides a greater measure of safety for our employees.

Optimize Technology

ORS is advancing to the next phase of our Vision ORS project: replacing the benefit processing and payment system. This new functionality will allow faster, easier completion of everyday transactions, allowing ORS to process the higher volumes of work expected from our growing and long-lived retiree population.

We continue to diminish the paper that travels through our office. The scanning and indexing solution has increased confidentiality and simplified access to files. Until 2005, we were still creating paper requests to fill a large number of customer requests. By deploying electronic ticketing, all those requests are created, tracked and resolved electronically.

ORS regularly surveys its customers to make certain we are meeting needs. Results from a recent retiree satisfaction survey showed an overall satisfaction rate of 93.9%. We also survey a random sample of active members and retirees who have called us during the year with questions and concerns. Results from this contact survey showed an overall satisfaction rate of 85.0%. The information gained from these surveys helps assure both active members and retirees of ever-improving customer service from ORS.

AWARDS AND ACKNOWLEDGEMENTS

Certificate of Achievement

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the System for its comprehensive annual financial report for the fiscal year ended September 30, 2004. In order to be awarded a Certificate of Achievement, a government must publish an easily readable and efficiently organized comprehensive annual financial report. This report must satisfy both accounting principles generally accepted in the United States of America and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year only. We believe our current report continues to meet the Certificate of Achievement Program's requirements and we are submitting it to the GFOA to determine its eligibility for another certificate.

INTRODUCTORY SECTION

Letter Of Transmittal (Continued)

Public Pension Standards Award

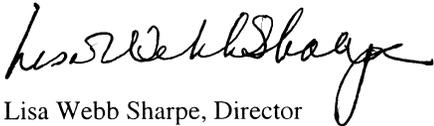
The Public Pension Coordinating Council, a confederation of the National Association of State Retirement Administrators (NASRA), the National Conference on Public Employee Retirement Systems (NCPERS), and the National Council on Teacher Retirement (NCTR), awarded Michigan Office of Retirement Services (ORS) the Public Pension Standards Award for recognition of meeting professional standards for plan design and administration as set forth in the standards for fiscal year 2005. This is the second year ORS has achieved this distinction.

Acknowledgements

The preparation of this report was accomplished with the dedication and cooperation of many people. It is intended to provide complete and reliable information as a basis for making management decisions, as a means of determining compliance with legal provisions, and as a means for determining responsible stewardship of the funds of the System.

We would, therefore, like to express our appreciation for the assistance given by staff, the advisors and the many people who contributed to its preparation. We believe their combined efforts have produced a report that will enable employers and plan members to better evaluate and understand the Michigan State Employees' Retirement System. Their cooperation contributes significantly to the success of the System.

Sincerely,



Lisa Webb Sharpe, Director
Department of Management and Budget



Christopher M. DeRose, Director
Office of Retirement Services

INTRODUCTORY SECTION

Administrative Organization

Retirement Board Members *

Douglas Drake, Chair
Retiree Member
Term Expires July 31, 2004

George M. Elworth
Representing Attorney General
Statutory Member

D. Daniel McLellan
Representing State Personnel Director
Statutory Member

Janet McClelland
Employee Member
Term Expires July 31, 2005

Scott Strong
Deputy Auditor General
Statutory Member

Mark Haas, Vice Chair
Representing State Treasurer
Statutory Member

Calvin Frappier
Retiree Member
Term Expires July 31, 2006

John Schoonmaker
Representing Commissioner of
Finance & Insurance Services
Statutory Member

Lynda Taylor-Lewis
Employee Member
Term Expires July 31, 2006

* Statute provides that board members may continue to serve after their term expires until they are either replaced or reappointed.

Administrative Organization

Department of Management and Budget
Office of Retirement Services
P.O. Box 30171
Lansing, Michigan 48909-7671
517-322-5103
1-800-381-5111

Advisors and Consultants

Actuary
The Segal Company
Michael J. Karlin, F.S.A., M.A.A.A.
New York, New York

Auditors
Thomas H. McTavish, C.P.A.
Auditor General
State of Michigan

Investment Manager and Custodian
Jay B. Rising
State Treasurer
State of Michigan

Andrews Hooper & Pavlik P.L.C.
Jeffrey J. Fineis, C.P.A.
Okemos, Michigan

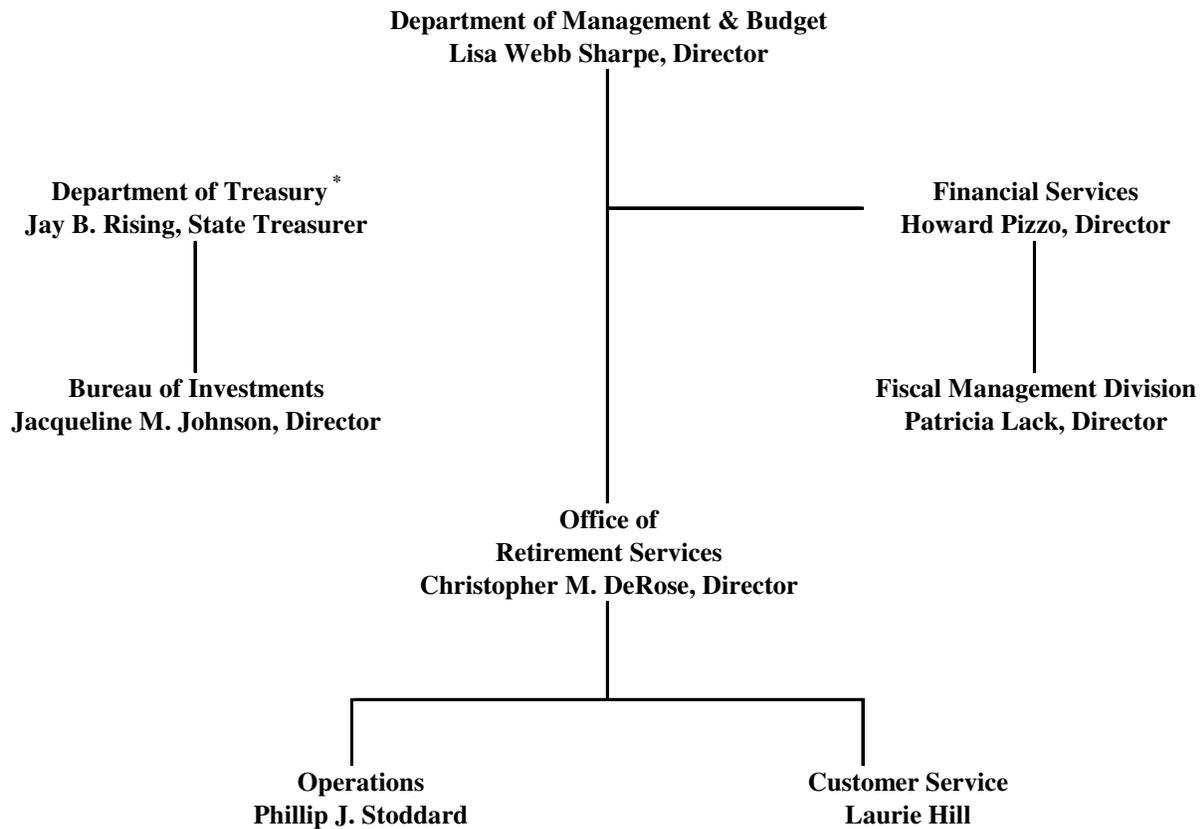
Legal Advisor
Mike Cox
Attorney General
State of Michigan

**Investment Performance
Measurement**
State Street Corporation
State Street Analytics
Boston, MA

INTRODUCTORY SECTION

Administrative Organization (Continued)

Organization Chart



* The investments of the System are managed by the Michigan Department of Treasury. Information on the investments and the fiduciary, Michigan Department of Treasury, can be found in the Investment Section, Introduction. In addition, see the Investment Section, Schedule of Investment Fees and Schedule of Investment Commissions, for information regarding the investment fees and commissions paid as well as investment professionals utilized by the System.

FINANCIAL SECTION

Independent Auditor's Report
Management's Discussion and Analysis
Basic Financial Statements
Notes to Basic Financial Statements
Required Supplementary Information
Notes to Required Supplementary Information
Supporting Schedules

FINANCIAL SECTION

Independent Auditor's Report



ANDREWS HOOPER & PAVLIK P.L.C.
Certified Public Accountants

Ms. Lisa Webb Sharpe, Director, Department of Management and Budget
Mr. Christopher M. DeRose, Director, Office of Retirement Services
Mr. Thomas H. McTavish, CPA, Auditor General, Office of the Auditor General
Michigan State Employees' Retirement System Board

We have audited the accompanying statements of pension plan and postemployment healthcare plan net assets of the Michigan State Employees' Retirement System, as of September 30, 2005 and 2004, and the related statements of changes in pension plan and postemployment healthcare plan net assets for the years then ended. These financial statements are the responsibility of the management of the Michigan State Employees' Retirement System. 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 and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the 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.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial status of the Michigan State Employees' Retirement System, as of September 30, 2005 and 2004, and the changes in its financial status for the years then ended, in conformity with accounting principles generally accepted in the United States of America.

In accordance with *Government Auditing Standards*, we have also issued our report dated December 2, 2005 on our consideration of the Michigan State Employees' Retirement System's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing and not to provide an opinion on the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* and should be considered in conjunction with this report in considering the results of our audit.

The Management's Discussion and Analysis (MD&A) is not a required part of the basic financial statements but is supplemental information required by accounting principles generally accepted in the United States of America. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of this required supplemental information. However, we did not audit the information and express no opinion on it.

Our audits were conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The Introductory, Investment, Actuarial, and Statistical Sections and the required supplementary information and supporting schedules listed in the table of contents are presented for the purposes of additional analysis and are not a required part of the basic financial statements. The Introductory, Investment, Actuarial, and Statistical Sections and the required supplementary information and supporting schedules are the responsibility of the Michigan State Employees' Retirement System's management. The Schedules of Funding Progress and Employer Contributions and related notes and the supporting schedules have been subjected to the auditing procedures applied in our audits of the basic financial statements, and in our opinion, are fairly stated in all material respects when considered in relation to the basic financial statements taken as a whole. The Introductory, Investment, Actuarial, and Statistical Sections have not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we express no opinion on them.

Andrews Hooper & Pavlik P.L.C.

Okemos, Michigan
December 2, 2005

4295 Okemos Road, Suite 200 • Okemos, Michigan 48864 • ph 517.487.5000 fx 517.487.9535 • www.ahpplc.com

Management's Discussion and Analysis

Our discussion and analysis of the Michigan State Employees' Retirement System's (System) financial performance provides an overview of the System's financial activities for the fiscal year ended September 30, 2005. Please read it in conjunction with the transmittal letter in the Introductory Section on page 5 and the basic financial statements, which follow this discussion.

FINANCIAL HIGHLIGHTS

- System assets exceeded liabilities at the close of fiscal year 2005 by \$10.2 billion (reported as *net assets*). Net assets are held in trust to meet future benefit payments.
- The System's funding objective is to meet long-term benefit obligations through contributions and investment income. As of September 30, 2004, the funded ratio was approximately 84.5%.
- Revenues for the year were \$1,793.4 million, which is comprised of contributions of \$621.8 million, investment gains of \$1,171.4 million.
- Expenses decreased in the current year from \$1,114.5 million to \$1,074.1 million or 3.6%. Most of this decrease represented a reduction in transfers to pension/health benefit plans and retirement benefits paid.

THE STATEMENT OF PLAN NET ASSETS AND THE STATEMENT OF CHANGES IN PLAN NET ASSETS

This Comprehensive Annual Financial Report (CAFR) consists of two financial statements; *The Statement of Pension Plan and Postemployment Healthcare Plan Net Assets* (page 20) and *The Statement of Changes in Pension Plan and Postemployment Healthcare Plan Net Assets* (page 21). These financial statements report information about the System, as a whole, and about its financial condition that should help answer the question: Is the System, as a whole, better off or worse off as a result of this year's activities? These statements include all assets and liabilities using the economic resources measurement focus and the accrual basis of accounting. Under the accrual basis of accounting, all revenues and expenses are taken into account regardless of when cash is received or paid.

The Statement of Pension Plan and Postemployment Healthcare Plan Net Assets presents all of the System's assets and liabilities, with the difference between the two reported as net assets. Over time, increases and decreases in net assets measure whether the System's financial position is improving or deteriorating. *The Statement of Changes in Pension Plan and Postemployment Healthcare Plan Net Assets* presents how the System's net assets changed during the most recent fiscal year. These two financial statements should be reviewed along with the Schedule of Funding Progress and Schedule of Employer Contributions to determine whether the System is becoming financially stronger or weaker and to understand changes over time in the funded status of the System.

FINANCIAL SECTION

Management's Discussion and Analysis (Continued)

FINANCIAL ANALYSIS

System total assets as of September 30, 2005, were \$10.8 billion and were mostly comprised of cash, investments, and contributions due from employers. Total assets increased \$727.2 million or 7.3% between fiscal years 2004 and 2005 primarily due to an increase of invested assets, and increased \$830.0 million or 9.0% between fiscal years 2003 and 2004 primarily for the same reason.

Total liabilities as of September 30, 2005, were \$570.1 million and were mostly comprised of warrants outstanding, accounts payable, and obligations under securities lending. Total liabilities increased \$8.0 million or 1.4% between fiscal years 2004 and 2005, and increased \$334.1 million or 146.6% between fiscal years 2003 and 2004, primarily due to an increase in obligations under securities lending.

System assets exceeded its liabilities at the close of fiscal year 2005 by \$10.2 billion, of which \$33.9 million is for the Health Advance Funding SubAccount. Total net assets held in trust for pension and health benefits increased \$719.2 million or 7.6% between fiscal years 2004 and 2005, primarily due to investment earnings and contributions for the year exceeding total deductions of the System. Net assets in fiscal year 2004 increased by \$495.8 million or 5.5% from the prior year for reasons similar to those of the 2005 fiscal year.

| | Net Assets (in thousands) | | | | |
|---|------------------------------|------------------------|---------------------|------------------------|---------------------|
| | 2005 | Increase (Decrease) | 2004 | Increase (Decrease) | 2003 |
| Assets | | | | | |
| Cash | \$ 21,464 | (42.5) % | \$ 37,349 | (9.9) % | \$ 41,465 |
| Receivables | 125,976 | 25.4 | 100,430 | (12.0) | 114,178 |
| Investments | 10,604,278 | 7.3 | 9,886,693 | 9.4 | 9,038,842 |
| Total Assets | 10,751,718 | 7.3 | 10,024,472 | 9.0 | 9,194,485 |
| Liabilities | | | | | |
| Warrants outstanding | 1,666 | (40.3) | 2,790 | 8.5 | 2,570 |
| Accounts payable and other accrued liabilities | 1,564 | 24.6 | 1,255 | (78.7) | 5,905 |
| Obligations under securities lending | 566,873 | 1.6 | 558,059 | 154.3 | 219,484 |
| Total Liabilities | 570,103 | 1.4 | 562,104 | 146.6 | 227,959 |
| Net Assets - Health Advance Funding SubAccount | 33,905 | 0.0 | 33,905 | (38.2) | 54,888 |
| Net Assets - Pension and Health Benefits | 10,147,710 | 7.6 | 9,428,463 | 5.8 | 8,911,638 |
| Total Net Assets | \$ 10,181,615 | 7.6 | \$ 9,462,368 | 5.5 | \$ 8,966,526 |

Management's Discussion and Analysis (Continued)

REVENUES - ADDITIONS TO PLAN NET ASSETS

The reserves needed to finance retirement and health benefits are accumulated through the collection of employer contributions and through earnings on investments. Contributions and net investment income/(losses) for fiscal year 2005 totaled \$1,793.4 million.

Total contributions and net investment income for fiscal year 2005 increased \$207.3 million from those of fiscal year 2004 primarily due investment earnings and increased employer contributions. Total contributions and net investment income decreased \$128.3 million between fiscal years 2003 and 2004 primarily due to changes in market conditions and investment earnings. Total employer contributions increased between fiscal years 2004 and 2005 by \$119.3 million or 25.9%, while member contributions decreased by \$6.3 million or 13.3%. Total employer contributions increased between fiscal years 2003 and 2004 by \$61.3 million or 15.3%, while member contributions decreased by \$43.9 million or 48.1%.

The System is non-contributory; however, members may purchase service credit. The decrease in member contributions for fiscal year 2005 occurred because fewer individuals purchased service credit, similar to the decrease in member contributions between fiscal years 2003 and 2004. Net investment income increased between fiscal years 2004 and 2005 by \$94.3 million. Net investment income decreased between fiscal years 2003 and 2004 by \$145.7 million. Transfers from Pension/Health Benefit Plans decreased \$24.4 million or 100% between fiscal years 2004 and 2005 due to the decision to not make a transfer in 2005. Transfers from Pension/Health Benefit Plans increased \$7.0 million or 40.3% between fiscal years 2003 and 2004. The notes to the financial statements describe these transfers in more detail. The Investment Section of this report reviews the results of investment activity for 2005.

EXPENSES - DEDUCTIONS FROM PLAN NET ASSETS

The primary expenses of the System include the payment of pension benefits to members and beneficiaries, payment for health, dental and vision benefits, refunds of contributions to former members, and the cost of administering the System. Total deductions for fiscal year 2005 were \$1,074.1 million, a decrease of 3.6% over fiscal year 2004 expenses. Total deductions for fiscal year 2004 were \$1,114.5 million, a decrease of 1.9% over fiscal year 2003 expenses.

Payments for health care benefits to members and beneficiaries decreased by \$31.8 million or 9.0% from \$354.7 million to \$322.8 million during the fiscal year. This compares to an increase of \$0.6 million or 0.2% from \$354.1 million to \$354.7 million between fiscal years 2003 and 2004. The payment of pension benefits increased by \$15.7 million or 2.1% between fiscal years 2004 and 2005 and by \$29.3 million or 4.2% between fiscal years 2003 and 2004. In fiscal years 2005 and 2004, pension benefit expenses increased due to an increase in benefit payments to retirees and an increase of 182 retirees and 128 retirees, respectively. Refunds and transfers to other Plans or Systems decreased by \$24.2 million or 98.7% between fiscal years 2004 and 2005. This compares to a decrease of \$51.1 million or 67.6% between fiscal years 2003 and 2004. The notes to the financial statements describe these transfers in more detail. Administrative expenses decreased by \$18 thousand or 0.4% between fiscal years 2004 and 2005, primarily due to a decrease in technological support. Administrative expenses decreased by \$0.9 million or 16.9% between fiscal years 2003 and 2004, primarily due to a decrease in professional services, technological support, and postage, telephone and other expenses.

FINANCIAL SECTION

Management's Discussion and Analysis (Continued)

Changes in Plan Net Assets (in thousands)

| | <u>2005</u> | <u>Increase (Decrease)</u> | | <u>2004</u> | <u>Increase (Decrease)</u> | | <u>2003</u> |
|---|----------------------|--------------------------------|------|---------------------|--------------------------------|------|---------------------|
| Member contributions | \$ 41,097 | (13.3) | % \$ | 47,406 | (48.1) | % \$ | 91,330 |
| Employer contributions | 580,738 | 25.9 | | 461,428 | 15.3 | | 400,130 |
| Net investment income | 1,171,402 | 8.8 | | 1,077,138 | (11.9) | | 1,222,811 |
| Transfer from other systems | 120 | 361.5 | | 26 | N/A | | - |
| Transfer from pension/health benefit plan | - | (100.0) | | 24,364 | 40.3 | | 17,365 |
| Miscellaneous income | 2 | 0.0 | | 2 | N/A | | - |
| Total Additions | <u>1,793,359</u> | <u>11.4</u> | | <u>1,610,364</u> | <u>(7.0)</u> | | <u>1,731,636</u> |
| Pension benefits | 746,673 | 2.1 | | 731,009 | 4.2 | | 701,664 |
| Health care benefits | 322,834 | (9.0) | | 354,650 | 0.2 | | 354,085 |
| Refunds of member contributions | 292 | 79.1 | | 163 | 38.1 | | 118 |
| Transfer to pension/health benefit plans | - | (100.0) | | 24,364 | (67.8) | | 75,576 |
| Transfer to other systems | 15 | (25.0) | | 20 | 566.7 | | 3 |
| Administrative expenses | 4,298 | (0.4) | | 4,316 | (16.9) | | 5,192 |
| Total Deductions | <u>1,074,112</u> | <u>(3.6)</u> | | <u>1,114,522</u> | <u>(1.9)</u> | | <u>1,136,638</u> |
| Net Increase (Decrease) | 719,247 | 45.1 | | 495,842 | (16.7) | | 594,998 |
| Net Assets Beg. of the year | 9,462,368 | 5.5 | | 8,966,526 | 7.1 | | 8,371,528 |
| Net Assets End of Year | <u>\$ 10,181,615</u> | <u>7.6</u> | | <u>\$ 9,462,368</u> | <u>5.5</u> | | <u>\$ 8,966,526</u> |

RETIREMENT SYSTEM AS A WHOLE

The System's combined net assets experienced an increase for the third consecutive year, following a decrease in fiscal year 2002. This increase is a result of a moderate national economic upturn that resulted in investment income earnings. Management believes, and actuarial studies concur, that the System is in a financial position to meet its current obligations. We believe the current financial position has improved, in part, due to a prudent investment program, cost controls, and strategic planning.

CONTACTING SYSTEM FINANCIAL MANAGEMENT

This financial report is designed to provide the Retirement Board, our membership, taxpayers, investors, and creditors with a general overview of the System's finances and to demonstrate the System's accountability for the money it receives. If you have any questions about this report or need additional financial information, contact the Office of Retirement Services, P.O. Box 30171, Lansing, MI 48909-7671.

FINANCIAL SECTION

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FINANCIAL SECTION

Statements of Pension Plan and Postemployment Healthcare Plan Net Assets

As of Fiscal Years Ending September 30, 2005 and 2004

| | September 30, 2005 | | | September 30, 2004 | | |
|--|--------------------------|----------------------|--------------------------|-------------------------|----------------------|-------------------------|
| | Pension Plan | Health Plan | Total | Pension Plan | Health Plan | Total |
| Assets: | | | | | | |
| Equity in common cash | \$ 21,360,373 | \$ 103,611 | \$ 21,463,984 | \$ 37,214,607 | \$ 134,884 | \$ 37,349,491 |
| Receivables: | | | | | | |
| Amounts due from employer | 51,289,381 | 248,784 | 51,538,165 | 26,196,288 | 94,948 | 26,291,236 |
| Amounts due from employer long term | 74,359,877 | - | 74,359,877 | 74,115,051 | - | 74,115,051 |
| Interest and dividends | 77,633 | 377 | 78,010 | 23,893 | 87 | 23,980 |
| Total receivables | 125,726,891 | 249,161 | 125,976,052 | 100,335,232 | 95,035 | 100,430,267 |
| Investments: | | | | | | |
| Short term investment pool | 347,422,005 | 1,685,204 | 349,107,209 | 222,174,284 | 805,268 | 222,979,552 |
| Total fixed income investment pool | 1,604,333,030 | 7,781,970 | 1,612,115,000 | 1,588,839,239 | 5,758,720 | 1,594,597,959 |
| Total domestic equity investment pool | 4,894,777,317 | 23,742,583 | 4,918,519,900 | 4,550,733,495 | 16,494,055 | 4,567,227,550 |
| Real estate investment pool | 852,012,815 | 4,132,769 | 856,145,584 | 721,075,650 | 2,613,526 | 723,689,176 |
| Alternative investment pool | 1,113,849,910 | 5,402,835 | 1,119,252,745 | 1,195,249,305 | 4,332,161 | 1,199,581,466 |
| International equities investment pool | 1,176,557,936 | 5,707,007 | 1,182,264,943 | 1,016,871,955 | 3,685,635 | 1,020,557,590 |
| Cash Collateral on loaned securities | 564,136,326 | 2,736,397 | 566,872,723 | 556,044,019 | 2,015,372 | 558,059,391 |
| Total investments | 10,553,089,339 | 51,188,765 | 10,604,278,104 | 9,850,987,947 | 35,704,737 | 9,886,692,684 |
| Total assets | 10,700,176,603 | 51,541,537 | 10,751,718,140 | 9,988,537,786 | 35,934,656 | 10,024,472,442 |
| Liabilities: | | | | | | |
| Warrants outstanding | 1,658,030 | 8,042 | 1,666,072 | 2,779,568 | 10,076 | 2,789,644 |
| Accounts payable and other accrued liabilities | 1,556,583 | 7,550 | 1,564,133 | 1,250,675 | 4,533 | 1,255,208 |
| Obligations under securities lending | 564,136,327 | 2,736,397 | 566,872,724 | 556,044,019 | 2,015,372 | 558,059,391 |
| Total liabilities | 567,350,940 | 2,751,989 | 570,102,929 | 560,074,262 | 2,029,981 | 562,104,243 |
| Net Assets - Health Advance Funding | | | | | | |
| SubAccount | | 33,904,675 | 33,904,675 | | 33,904,675 | 33,904,675 |
| Net Assets - Pension and Health Benefits | 10,132,825,663 | 14,884,873 | 10,147,710,536 | 9,428,463,524 | - | 9,428,463,524 |
| Net Assets Held in Trust for Pension and Health Benefits* | \$ 10,132,825,663 | \$ 48,789,548 | \$ 10,181,615,211 | \$ 9,428,463,524 | \$ 33,904,675 | \$ 9,462,368,199 |

*A schedule of funding progress is presented in the Required Supplementary Information in the Financial Section.

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

FINANCIAL SECTION

Statements of Changes in Pension Plan and Postemployment Healthcare Plan Net Assets

For Fiscal Years Ended September 30, 2005 and 2004

| | September 30, 2005 | | | September 30, 2004 | | |
|--|--------------------|----------------|-------------------|--------------------|----------------|------------------|
| | Pension Plan | Health Plan | Total | Pension Plan | Health Plan | Total |
| Additions: | | | | | | |
| Contributions | | | | | | |
| Member contributions | \$ 30,395,040 | \$ 10,701,614 | \$ 41,096,654 | \$ 37,682,883 | \$ 9,723,230 | \$ 47,406,113 |
| Employer contributions | 256,433,052 | 324,305,023 | 580,738,075 | 103,873,294 | 357,554,699 | 461,427,993 |
| Total contributions | 286,828,092 | 335,006,637 | 621,834,729 | 141,556,177 | 367,277,929 | 508,834,106 |
| Investment income (loss): | | | | | | |
| Investment income (loss) | 1,181,213,139 | - | 1,181,213,139 | 1,088,355,189 | - | 1,088,355,189 |
| Interest income | - | 2,712,374 | 2,712,374 | - | 3,380,735 | 3,380,735 |
| Investment expenses: | | | | | | |
| Real estate operating expenses | (152,515) | - | (152,515) | (70,151) | - | (70,151) |
| Other investment expenses | (13,165,031) | - | (13,165,031) | (15,195,862) | - | (15,195,862) |
| Securities lending activities | | | | | | |
| Securities lending income | 14,504,416 | - | 14,504,416 | 6,017,148 | - | 6,017,148 |
| Securities lending expenses | (13,710,240) | - | (13,710,240) | (5,348,636) | - | (5,348,636) |
| Net investment income(loss) | 1,168,689,769 | 2,712,374 | 1,171,402,143 | 1,073,757,688 | 3,380,735 | 1,077,138,423 |
| Transfer from pension/health benefit plans | | | | | | |
| | - | - | - | 24,363,516 | - | 24,363,516 |
| Transfers from other systems | 119,594 | - | 119,594 | 25,926 | - | 25,926 |
| Miscellaneous income | 2,575 | - | 2,575 | 2,284 | - | 2,284 |
| Total additions | 1,455,640,030 | 337,719,011 | 1,793,359,041 | 1,239,705,591 | 370,658,664 | 1,610,364,255 |
| Deductions: | | | | | | |
| Benefits paid to plan members and beneficiaries | | | | | | |
| Retirement benefits | 746,673,263 | - | 746,673,263 | 731,009,109 | - | 731,009,109 |
| Health benefits | - | 295,431,830 | 295,431,830 | - | 327,143,997 | 327,143,997 |
| Dental/vision benefits | - | 27,402,308 | 27,402,308 | - | 27,505,668 | 27,505,668 |
| Refunds of member contributions | 291,592 | - | 291,592 | 163,418 | - | 163,418 |
| Transfer to pension/health benefit plans | | | | | | |
| | - | - | - | - | 24,363,516 | 24,363,516 |
| Transfers to other systems | 15,051 | - | 15,051 | 19,708 | - | 19,708 |
| Administrative expenses | 4,297,985 | - | 4,297,985 | 4,316,433 | - | 4,316,433 |
| Total deductions | 751,277,891 | 322,834,138 | 1,074,112,029 | 735,508,668 | 379,013,181 | 1,114,521,849 |
| Net Increase (Decrease) | 704,362,139 | 14,884,873 | 719,247,012 | 504,196,923 | (8,354,517) | 495,842,406 |
| Net Assets Held in Trust for Pension and Health Benefits: | | | | | | |
| Beginning of Year | 9,428,463,524 | 33,904,675 | 9,462,368,199 | 8,924,266,601 | 42,259,192 | 8,966,525,793 |
| End of Year* | \$ 10,132,825,663 | \$ 48,789,548 | \$ 10,181,615,211 | \$ 9,428,463,524 | \$ 33,904,675 | \$ 9,462,368,199 |

*A schedule of funding progress is presented in the Required Supplementary Information in the Financial Section.

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

FINANCIAL SECTION

Notes to Basic Financial Statements

NOTE 1 - PLAN DESCRIPTION

ORGANIZATION

The Michigan State Employees' Retirement System (System) is a cost sharing, multiple-employer, state-wide, defined benefit public employee retirement plan governed by the State of Michigan (State) and created under Public Act 240 of 1943, as amended. The System was established by the State to provide retirement, survivor and disability benefits to the State's government employees. The System is a qualified pension trust fund under section 401(a) of the Internal Revenue Code. By statute, employees of the following employers are also covered by this plan: American Legion, American Veterans, Disabled American Veterans, Mackinac Island State Park, Marine Corps League, Michigan Bar Association, Military Order of the Purple Heart, Commission for Independent Vendors, Third Circuit Court, Records Court and 36th District Court. Michigan judges and elected officials, legislators, National Guard and state police officers are covered by separate retirement plans.

The System's financial statements are included as a pension trust fund in the combined financial statements of the State.

The System is administered by the Office of Retirement Services, within the Michigan Department of Management and Budget. The Department Director appoints the Office Director who serves as Executive Secretary to the System's Board, with whom the general oversight of the System resides. The State Treasurer serves as the investment officer and custodian for the System.

MEMBERSHIP

At September 30, 2005 and 2004, the System's membership consisted of the following:

| | | |
|--|----------------------|----------------------|
| Retirees and beneficiaries currently receiving benefits: | | |
| Regular benefits | <u>2005</u> | <u>2004*</u> |
| Survivor benefits | 36,410 | 36,207 |
| Disability benefits | 5,866 | 5,869 |
| Total | <u>3,525</u> | <u>3,543</u> |
| | 45,801 | 45,619 |
| Current employees: | | |
| Vested | 30,974 | 30,246 |
| Non-vested | 2,796 | 4,503 |
| Total | <u>33,770</u> | <u>34,749</u> |
| Inactive employees entitled to benefits and not yet receiving them | <u>7,200</u> | <u>7,397</u> |
| Total all members | <u><u>86,771</u></u> | <u><u>87,765</u></u> |

*Restated based on more complete information provided by actuary.

Enrollment in the health plan is voluntary. The number of participants is as follows:

| | | |
|--------------------------------------|-------------|-------------|
| Health/Dental/Vision Plan | <u>2005</u> | <u>2004</u> |
| Eligible participants | 45,801 | 45,619 |
| Participants receiving benefits: | | |
| Health | 41,391 | 41,397 |
| Dental | 41,269 | 41,164 |
| Vision | 41,382 | 41,286 |

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

At September 30, 2003, the System recognized 116 participants in the Defined Contribution (DC) Plan who elected to retire under the Early Out Retirement program. This program provided a .25% incentive for those DC members who qualified, which will be provided by the System. These 116 participants have not been included in the pension membership schedule on the previous page.

BENEFIT PROVISIONS

Introduction

Benefit provisions of the defined benefit pension plan are established by State statute, which may be amended. Public Act 240 of 1943, as amended, establishes eligibility and benefit provisions for the defined benefit pension plan. Retirement benefits are determined by final average compensation and years of service. Members are eligible to receive a monthly benefit when they meet certain age and service requirements. The System also provides duty disability, non-duty disability and survivor benefits.

A member who has separated from employment may request a refund of his or her member contribution account. The System is currently non-contributory. A refund may cancel a former member's rights to future benefits. However, former members who return to employment and who previously received a refund of their contributions may reinstate their service through repayment of the refund upon satisfaction of certain requirements.

Effective March 31, 1997, Public Act 487 of 1996 closed the plan to new entrants. All new employees become members of the defined contribution plan. The Public Act allows returning employees and members who left State employment on or before March 31, 1997, to elect the defined benefit plan instead of the defined contribution plan.

Regular Retirement

The retirement benefit is based on a member's years of credited service (employment) and final average compensation. The normal benefit equals 1.5% of a member's final average compensation multiplied by the years and partial year of credited service and is payable monthly over the member's lifetime.

Final average compensation is the average of a member's monthly pay during 36 consecutive months of credited service. The 36 consecutive month period producing the highest monthly average is used. For most members, this is the last three years of employment.

A member may retire and receive a monthly benefit after attaining:

1. age 60 with 10 or more years of credited service; or
2. age 55 with 30 or more years of credited service; or
3. age 55 with at least 15 but less than 30 years of credited service. The benefit allowance is permanently reduced 0.5% for each month from the member's age on the effective date of retirement to the date the member will attain age 60.

Employees in covered positions are eligible for supplemental benefits and may retire after attaining:

1. age 51 with 25 or more years in a covered position; or
2. age 56 with 10 or more years in a covered position.

In either case, the three years immediately preceding retirement must have been in a covered position. Employees in covered positions are responsible for the custody and supervision of inmates.

Employees of closing Department of Community Health facilities are eligible for retirement under one of the following conditions:

1. age 51 with 25 years of service, the last 5 of which were rendered in the closing facility;
2. age 56 with 10 years of service, the last 5 of which were rendered in the closing facility; or
3. 25 years of service at the closing facility regardless of age.

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

Employees of the State Accident Fund, Michigan Biologic Products, or Liquor Control Commission who were terminated as the result of privatization may retire if the member's age and length of service was equal to or greater than 70 on the date of transfer or termination.

Conservation Officers (CO) with a hire date on or before April 1, 1991, are eligible to retire after 25 years of service, 20 of which must have been rendered as a CO. COs hired after April 1, 1991, and before March 31, 1997, must have 23 years of service as a CO to be eligible for a full retirement with only 25 years of service. In either case, 2 years immediately preceding retirement must be as a CO.

Deferred Retirement

Any member with 10 or more years of credited service who terminates employment but has not reached the age of retirement is a deferred member and is entitled to receive a monthly pension upon reaching age 60, provided the member's accumulated contributions have not been refunded. Deferred retirement is available after 5 years of service for State employees occupying unclassified positions in the executive and legislative branches and certain Department of Community Health employees subject to reduction in force lay-offs by reason of deinstitutionalization.

Non-Duty Disability Benefit

A member with 10 or more years of credited service who becomes totally and permanently disabled not due to performing duties as a State employee is eligible for a non-duty disability pension. The non-duty disability benefit is computed in the same manner as an age and service allowance based upon service and salary at the time of disability.

Duty Disability Benefit

A member who becomes totally and permanently disabled from performing duties as a State employee as a direct result of State employment and who has not met the age and service requirement for a regular pension, is eligible for a duty disability pension. Public Act 109 of 2004 amended the State Employees' Retirement Act to change the calculation of the pension benefit and increase the minimum annual payment. If the member is under age 60, the duty disability allowance is now a minimum of \$6,000 payable annually. At age 60 the benefit is recomputed under service retirement.

Survivor Benefit

Upon the death of a member who was vested, the surviving spouse shall receive a benefit calculated as if the member had retired the day before the date of death and selected a survivor pension. Certain designated beneficiaries can be named to receive a survivor benefit. Public Act 109 of 2004 amended the State Employees' Retirement Act to change the calculation of Duty Death benefits and redefines eligibility for deceased member's survivors. The new minimum duty-related death benefit has been increased to \$6,000.

Pension Payment Options

When applying for retirement, an employee may name a person other than his or her spouse as a beneficiary if the spouse waives this right. If a beneficiary is named, the employee must choose whether the beneficiary will receive 100%, 75% or 50% of the retiree's pension benefit after the retiree's death. The decision is irrevocable. A description of the options follows.

Regular Pension — The pension benefit is computed with no beneficiary rights. If the retiree made contributions while an employee and has not received the total accumulated contributions before death, a refund of the balance of the contributions is made to the beneficiary of record. If the retiree did not make any contributions, there will not be payments to beneficiaries.

100% Survivor Pension — Under this option, after the retiree's death, the beneficiary will receive 100% of the pension for the remainder of the beneficiary's lifetime. If this option is elected, the normal retirement benefit is reduced by a factor based upon the ages of the retiree and of the beneficiary. If the beneficiary predeceases the retiree, the pension "pops-up" to the regular pension amount; another beneficiary cannot be named.

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

75% Survivor Pension - Under this option, after the retiree's death, the beneficiary will receive 75% of the pension for the remainder of the beneficiary's lifetime. If this option is elected, the normal retirement benefit is reduced by a factor based upon the ages of the retiree and of the beneficiary. If the beneficiary predeceases the retiree, the pension "pops-up" to the regular pension amount; another beneficiary cannot be named.

50% Survivor Pension — Under this option, after the retiree's death, the beneficiary will receive 50% of the pension for the remainder of the beneficiary's lifetime. If this option is elected, the normal retirement benefit is reduced by a factor based upon the ages of the retiree and of the beneficiary. The reduction factor is lower than the factor used in the 100% or 75% option previously described. If the beneficiary predeceases the retiree, the pension "pops-up" to the regular pension amount; another beneficiary cannot be named.

Equated Pension — An equated pension may be chosen by any member under age 65 except a disability retiree and an early supplemental retiree. Equated pensions provide an additional amount until age 65 and may be combined with Regular, 100%, 75% or 50% option. At age 65 the monthly amount is permanently reduced. The initial and reduced amounts are based on an estimate of social security benefits at age 65, provided by the Social Security Administration Office. In order to calculate this benefit, members choosing this option must provide ORS with an estimate from the Social Security Administration Office. The actual amount received from social security may vary from the estimate.

Post Retirement Adjustments

One-time upward benefit adjustments were made in 1972, 1974, 1976, 1977 and 1987. Beginning October 1, 1988, a 3% non-compounding increase, up to a maximum of \$25 monthly, is paid each October to recipients who have been retired 12 full months. Beginning in 1983, eligible benefit recipients share in a distribution of investment income earned in excess of 8% annually. This distribution is known as the supplemental payment. The supplemental payment is offset by one year's cumulative increases received after the implementation of the annual 3% increase in benefits. These adjustment payments were not issued during fiscal years 1991 through 1994. Members who retired on or after October 1, 1987, are not eligible for the supplemental payment.

Contributions

Member Contributions — Members currently participate in the System on a noncontributory basis. Under certain circumstances, members may contribute to the System for the purchase of creditable service, such as military service or maternity leave, or a universal buy-in. If a member terminates the System employment before a retirement benefit is payable, the member's contribution and interest on deposit may be refunded. If the member dies before being vested, the member's contribution and interest are refunded to the designated beneficiaries.

Employer Contributions — The statute requires the employer to contribute to finance the benefits of plan members. These employer contributions are determined annually by the System's actuary and are based upon level-percent-of-payroll funding principles so the contribution rates do not have to increase over time.

Transfers to Defined Contribution Plan

During fiscal year 1998, the Michigan State Employees' Retirement Act provided members an opportunity to transfer to the Defined Contribution Plan. This was a one-time opportunity and the decision is irrevocable. The transfer must have been completed by September 30, 1998. With the passage of the legislation permitting the transfer, the System also became a closed system. All new employees are members of the Defined Contribution Plan.

Other Postemployment Benefits

Under the Michigan State Employees' Retirement Act, all retirees have the option of receiving health, prescription, dental, and vision coverage. The employer funds health benefits on a pay-as-you-go basis. Retirees with this coverage contribute 5%, 10%, and 10% of the monthly premium amount for the health (including prescription coverage), dental and vision coverage, respectively. The employer's payroll contribution rate to provide this benefit was 11.40% and 13.05% for fiscal years 2005 and 2004, respectively.

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

Retirees are provided with life insurance coverage equal to 25% of the active life insurance coverage, \$1,000 for spouse and \$1,000 for each dependent under age 23. Premiums are fully paid by the State.

Early Out Retirement

In February 2002, former Governor John Engler proposed an early out retirement for qualified State employees. Approximately 2,850 State Employees retired by the end of the fiscal year 2002 and an additional 5,160 State employees retired in fiscal year 2003 under this program. Among those members who qualify are Tier 1 (defined benefit) participants and those former members who made an election under section 50 of Public Act 240 of 1943, as amended, to terminate membership in Tier 1 and transfer to become a qualified participant in Tier 2 (defined contribution). Upon their retirement, qualified Tier 2 participants shall receive a retirement allowance equal to the member's number of years of service and fraction of a year of credited service multiplied by .25% of his or her final compensation. For purposes of this section, such individuals shall be considered members of Tier 1 for the limited purpose of receiving a retirement allowance calculated under this section and paid by the System. This allowance will be paid from employer contributions to the System.

Banked Leave Time

Public Act 33 of 2004 amended the State Employees' Retirement Act to include Banked Leave Time (BLT) for members. BLT is an extension of the State's current annual leave program, which banks a predetermined number of hours per pay period. However, the BLT program will not have an effect on a member's Final Average Compensation calculation.

NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting and Presentation

The System's financial statements are prepared using the accrual basis of accounting. Contributions from the State are recognized as revenue when due and payable. Benefits and refunds are recognized when due and payable in accordance with the terms of the System.

Reserves

Public Act 240 of 1943, as amended, created the employees' savings reserve, pension reserve, employer's accumulation reserve, income account and expense account, and health insurance reserve. The financial transactions of the System are recorded in these accounts as required by Public Act 240 of 1943, as amended.

Reserve for Employee Contributions — Members no longer contribute to this fund except to purchase eligible service credit or repay previously refunded contributions. This fund represents active member contributions and interest less amounts transferred to the Pension Reserve for regular and disability retirement, amounts refunded to terminated members and unclaimed amounts transferred to the income account. At September 30, 2005, and 2004, the balance in this account was \$209.6 million and \$185.8 million, respectively.

Reserve for Employer Contributions — All employer contributions are credited to this reserve. Interest from the income account is credited annually. Amounts are transferred annually from this reserve to the Pension Reserve to fund that reserve. At September 30, 2005, and 2004, the balance in this account was \$1.6 billion and \$1.4 billion, respectively.

Reserve for Retired Benefit Payments — This represents the reserves for payment of future retirement benefits to current retirees. At retirement, a member's accumulated contributions plus interest are transferred into this reserve from the Employee Savings Reserve. Monthly benefits, which are paid to the retiree, reduce the reserve. At the end of each fiscal year, an amount determined by an annual actuarial valuation is transferred from the Employer's Accumulation Reserve to this reserve to bring the reserve into balance with the actuarial present value of retirement allowances. At September 30, 2005, and 2004, the balance in this account was \$6.9 billion for both fiscal years.

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

Reserve for Undistributed Investment Income — The income account is credited with all investment earnings. Interest is transferred annually to the reserves. Administrative expenses are paid from the expense account. The legislature appropriates the funds necessary to defray and cover the administrative expenses of the System. At September 30, 2005, and 2004, the net balance of these accounts was \$1,428.5 million and \$931.2 million, respectively.

Reserve for Health Related Benefits — This fund is credited with employee and employer contributions for retirees' health (including prescription coverage), dental, and vision benefits. Interest is allocated based on the beginning balance of the fund. Premiums for health, dental, and vision benefits are paid from this fund. At September 30, 2005, and 2004, the unrestricted balance in this reserve was \$14.9 million and \$0.0 million, respectively.

Section 204 of Public Act 431 of 1984, as amended, provides management the ability to administer selected risk management related programs for insurance or related services. In fiscal year 2005, the Reserve for Health Related Benefits revenues exceeded expenses by \$12.2 million. Whereas in fiscal year 2004, the Reserve's expenses exceeded revenues by \$11.4 million, and as a result, excess premiums collected by the State Sponsored Group Insurance Fund, which bears the risk of such losses, returned sufficient revenue to make the Reserve whole.

Health Advance Funding SubAccount — This funding subaccount was created by Public Act 93 of 2002 as a means to begin pre-funding, on an actuarial basis, health benefits for participants in the System. Any amounts received in the Health Advance Funding SubAccount (HAFS) and accumulated earnings on those amounts shall not be expended until the actuarial accrued liability for health benefits is at least 100% funded. However, the System may transfer an amount from the HAFS to the employer's accumulation fund (reserve for employer contributions) under certain conditions described in the enabling legislation. At September 30, 2005, and 2004, the balance of this subaccount was \$33.9 million for both fiscal years.

Reporting Entity

The System is a pension trust fund of the State. As such, the System is considered part of the State and is included in the State's Comprehensive Annual Financial Report as a pension trust fund. The System and its Board are not financially accountable for any other entities or other organizations. Accordingly, the System is the only entity included in this financial report.

Benefit Protection

Public Act 100 of 2002 was passed by the Michigan Legislature to protect pension benefits of public employees from alienation (being transferred). Alienation is attachment, garnishment, levy, execution, bankruptcy or other legal process except for divorce orders or eligible domestic relation orders. The statutes governing the System contained an "anti-alienation" clause to provide for this protection; however, many smaller public pension systems did not have the benefit of this protection. Therefore, Public Act 100 of 2002 was passed to establish legal protection of pension assets that encompasses all public employees.

Fair Value of Investments

Plan investments are reported at fair value. Securities traded on a national or international exchange are valued at the last reported sales price at current exchange rates. Corporate bonds not traded on a national or international exchange are based on equivalent values of comparable securities with similar yield and risk. Real estate debt is valued on the basis of future principal and interest payments, and is discounted at prevailing interest rates for similar instruments. The fair value of real estate investments is based on independent appraisals. Other investments not having an established market are recorded at estimated fair value.

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

Investment Income

Dividend and interest income are recognized on the accrual basis. Fair value changes are recorded as investment income or loss. Purchases and sales of investments are recorded as of the trade date (the date upon which the transaction is initiated), except for purchase and sale of mortgages, real estate, and alternative investments, which are recorded as of the settlement date (the date upon which the transaction is ultimately completed). The effect of recording such transactions as of the settlement date does not materially affect the financial statements.

Cost of Administering the System

Each year a restricted general fund appropriation is requested to fund the on-going business operations of the System. These administrative costs are ultimately funded by the System through the regular transfer of funds from the System to the general fund based on either a direct cost or allocation basis depending on the nature of the expense. Costs of administering the System are not financed by investment income or contributions to the System.

Property and Equipment

Office space is leased from the State on a year-to-year basis. Office equipment is capitalized if the value exceeds \$5,000. These assets are recorded at cost and are reported net of depreciation in the Statement of Pension and Postemployment Healthcare Plan Net Assets. Such assets are depreciated on a straight-line basis over 10 years. As of September 30 1998, all capitalized equipment was fully depreciated. No additional equipment has been capitalized for the System since that date.

Related Party Transactions

Leases and services — The System leases operating space and purchases certain administrative, data processing, legal and investment services from the State. The space and services are not otherwise available by competitive bid. The following summarizes costs incurred by the System for such services.

| | <u>2005</u> | <u>2004</u> |
|-----------------------|-------------|-------------|
| Building Rentals | \$ 88,325 | \$ 116,194 |
| Technological Support | 1,044,403 | 1,338,956 |
| Attorney General | 270,554 | 253,266 |
| Investment Services | 1,949,445 | 1,790,222 |
| Personnel Services | 1,490,449 | 1,364,420 |

Commitment and Contingency – The State has signed a contract with a vendor for technological support through 2005. As of September 30, 2005, the System's portion of this commitment is approximately \$1.5 million.

Cash — On September 30, 2005, and 2004, the System had \$21.5 million and \$37.3 million, respectively in a common cash investment pool maintained for various State operating funds. The participating funds in the common cash pool earn interest at various rates depending upon prevailing short-term interest rates. Earnings from these activities amounted to \$.3 million for the years ended September 30, 2005, and 2004.

Excess Benefits

Internal Revenue Service (IRS) Code Section 415 requires that, for individuals who receive retirement benefits in excess of established limits, these benefits be recorded and reported outside of the pension plan in order to keep the qualified status of the plan. This includes coordination of benefit issues whereby a retiree participates in more than one qualified plan. In fiscal year 2005, the System provided excess benefits to one retiree.

Reclassification of Prior Year Amounts

Certain prior year amounts have been reclassified to conform with the current year presentation.

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

NOTE 3 - CONTRIBUTIONS

Members currently participate in the System on a non-contributory basis. Under certain circumstances, members may contribute to the System for the purchase of creditable service such as military service or maternity leave. Effective August 1, 1998, the retirement act was amended to permit a "universal buy-in." With a universal buy-in, a member may elect to purchase no more than 5 years of service credit (less other service credit purchased). The State is required by Public Act 240 of 1943, as amended, to contribute amounts necessary to finance the benefits of its employees. Contribution provisions are specified by State statute and may be amended only by action of the State Legislature.

Periodic employer contributions to the System are determined on an actuarial basis using the entry age normal actuarial cost method. Under this method, the actuarial present value of the projected benefits of each individual included in the actuarial valuation is allocated on a level basis over the service of the individual between entry age and assumed exit age. The portion of this cost allocated to the current valuation year is called the normal cost. The remainder is called the actuarial accrued liability. Normal cost is funded on a current basis. The unfunded (overfunded) actuarial accrued liability is amortized over a 32-year period for the 2004 fiscal year and a 31-year period for the 2005 fiscal year. Actual employer contributions for retirement benefits were \$256.4 million and \$103.9 million for fiscal years 2005 and 2004, respectively, representing 5.5% of annual covered payroll for the year ended September 30, 2004. The fiscal year 2005 annual covered payroll is not yet available. During fiscal year 2005, no transfers were made from the Health Advance Funding SubAccount. In the 2004 fiscal year, pursuant to Public Act 93 of 2002, a transfer was made from the Health Advance Funding SubAccount within the Health Plan in the amount of \$24.4 million. The transfer would effectively bring the Pension Plan contributions to \$128.3 million at September 30, 2004. This Act created the Defined Contribution Plan for State employees hired after March 31, 1997. Required employer contributions for pensions included:

1. \$152.1 million and \$152.2 million for fiscal years 2005 and 2004, respectively, for the normal cost of pensions representing 8.1% (before reconciliation) of annual covered payroll for fiscal year 2004.
2. \$156.1 million and \$110.4 million for fiscal years 2005 and 2004, respectively, for amortization of overfunded actuarial accrued liability representing 5.8% (before reconciliation) of annual covered payroll for fiscal year 2004.

The System is required to reconcile with actuarial requirements annually. Any funding excess or deficiency is smoothed over 5 years. One fifth (20%) of the funding excess or deficiency is included in the subsequent years' contribution, and is not recognized as a payable or receivable in the accounting records.

In March 2001, the Internal Revenue Service issued a private letter ruling allowing the System's members to purchase service credit and repay refunds using tax-deferred (pre-tax) dollars. The program was implemented and payments began in fiscal year 2002.

The program allows members to purchase service credit and repay refunds on a tax-deferred basis. Members sign an irrevocable agreement that identifies the contract duration, monthly payment, total contract amount and years of service credit being purchased. The duration of the contract can range from 1 to 20 years. The amounts are withheld from the members' paycheck and are treated as employer pick-up contributions pursuant to Internal Revenue Code Section 414(h). At September 30, 2005, and September 30, 2004 there were 7,302 and 6,804 agreements, respectively. Agreement amounts that will not be collected within 12 months are discounted using the assumed actuarial rate of return of 8%. The average length remaining of a contract was approximately 15 and 16 years for 2005 and 2004. The short-term receivable was \$13.6 million and the discounted long-term receivable was \$74.4 million at September 30, 2005. At September 30, 2004, the short-term receivable was \$13.0 million and the discounted long-term receivable was \$74.1 million.

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

NOTE 4 – INVESTMENTS

Investment Authority

Under Public Act 380 of 1965, as amended, the authority for the purchase and the sale of investments resides with the State Treasurer. Investments are made subject to the Michigan Public Pension Investment Act, Public Act 314 of 1965, as amended. The Michigan Public Pension Investment Act authorizes, with certain restrictions, the investment of pension fund assets in stocks, corporate and government bonds and notes, mortgages, real estate, and certain short-term and alternative investments. Investments must be made for the exclusive purposes of providing benefits to active members, retired members and beneficiaries, and for defraying the expenses of investing the assets.

Under Public Act 314 of 1965, as amended, the State Treasurer may invest up to 5.0% of the System's assets in small businesses having more than one-half of its assets or employees in Michigan as described in section 20(a) of the Act and up to 20.0% of the System's assets in investments not otherwise qualified under the Act as described in section 20(d). Alternative investments include limited partnerships and distributions from these partnerships in the form of bonds, preferred stock, common stock, and direct investments.

Derivatives

The State Treasurer employs the use of derivatives in the investment of the pension trust funds.

Derivatives are used in managing pension trust fund portfolios, but uses do not include speculation or leveraging of investments. Less than 12.0% of the total pension trust fund's portfolio has been invested from time to time in futures contracts, collateralized mortgages and swap agreements. State investment statutes limit total derivative exposure to 15.0% of a fund's total asset value, and restrict uses to replication of returns and hedging of assets. Swap agreements represent the largest category of derivatives used, and they represented 10.3% of market value of total System's pooled assets on September 30, 2005 and 10.0% of market value of total System's pooled assets on September 30, 2004. Futures contracts represent the second largest category of derivatives used, and they represented 0.3% of market value of total System's pooled assets on September 30, 2005, and 0.3% of market value of total System's pooled assets on September 30, 2004.

To enhance management flexibility, the State Treasurer has purchased futures contracts tied to S&P indices. The futures contracts are combined with short-term investments to replicate the return of the S&P indices. The value of these synthetic equity structures is a combination of the value of the futures contract and the value of the dedicated short-term investments.

To diversify the pension trust fund's portfolio, the State Treasurer has entered into swap agreements with investment grade counterparties, which are tied to stock market indices in the United States and twenty-two foreign countries. The notional amounts of the swap agreements at September 30, 2005, and 2004, were \$784.5 million and \$844.8 million, respectively. Approximately one half of the notional amount tied to foreign stock market indices is hedged against foreign currency fluctuations. The swap agreements provide that the System will pay quarterly, over the term of the swap agreements, interest indexed to the three month London Inter Bank Offer Rate (LIBOR), adjusted for an interest rate spread, on the notional amount stated in the agreements. At the maturity of the swap agreements, the pension fund will either receive the increase in the value of the equity indices from the level at the inception of the agreements, or pay the decrease in the value of the indices. Swap agreement maturity dates range from October 2005 to September 2008. U.S. domestic LIBOR based floating rate notes were purchased in the open market to correspond with the notional amount of the swap agreements. The State Treasurer maintains custody and control of these notes.

The value of these synthetic equity structures is a combination of the value of the swap agreements and the value of the notes. The book value represents the cost of the notes. The current value represents the current value of the notes and the change in value of the underlying indices from the inception of the swap agreements. The current value is used as a representation of the fair value based on the intention to hold all swap agreements until maturity. Since the inception of the international equity investment program, over \$206.9 million of gains on equity exposure and excess interest received have been realized on matured swap agreements.

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

The unrealized gain of \$248.5 million at September 30, 2005, primarily reflects the increase in international stock indices and changes in currency exchange rates. The combined swap structure realizes gains and losses on a rolling three-year basis.

The respective September 30, 2005, and 2004 swap values are as follows:

| | <u>Notional Value</u> | <u>Current Value</u> |
|---------------------------------|-----------------------|----------------------|
| 9/30/2005 (dollars in millions) | \$ 784.5 | \$ 1,031.5 |
| 9/30/2004 (dollars in millions) | 844.8 | 936.9 |

The amounts shown above reflect both the total International Equity Pool swap exposure, and the smaller swap exposure to the S&P Small Cap Index Pool.

Securities Lending

State statutes allow the System to participate in securities lending transactions, and the System has, by way of Security Lending Authorization Agreement, authorized the agent bank to lend the System's securities to broker-dealers and banks pursuant to a form of loan agreement.

During the fiscal year, the agent bank lent, at the direction of the System, the System's securities and received cash (United States and foreign currency), securities issued or guaranteed by the United States government, sovereign debt rated A or better, convertible bonds and irrevocable bank letters of credit as collateral. The agent bank does not have the ability to pledge or sell collateral securities delivered absent a borrower default. Borrowers are required to deliver collateral for each loan equal to (i) in case of loaned securities denominated in United States dollars or whose primary trading market is located in the United States or sovereign debt issued by foreign governments, 102% of the market value of the loaned securities; and (ii) in the case of loaned securities not denominated in United States dollars or whose primary trading market is not located in the United States, 105% of the market value of the loaned securities.

The System did not impose any restrictions during the fiscal year on the amount of the loans that the agent bank made on its behalf and the agent bank indemnified the System by agreeing to purchase replacement securities, or return cash collateral in the event borrower failed to return the loaned security or pay distributions thereon. There were no such failures by any borrowers during the fiscal year. Moreover, there were no losses during the fiscal year resulting from a default of the borrowers or the agent bank.

During the fiscal year, the System and the borrowers maintained the right to terminate all securities lending transactions on demand. The cash collateral received on each loan was invested in a collective investment pool. As of September 30, 2005, such Trust had an average maturity of 45 days and an average weighted maturity of 404 days. Because the loans were terminable at will, their duration did not generally match the duration of the investments made with cash collateral. On September 30, 2005, the System had no credit risk exposure to borrowers. The cash and non-cash collateral held for securities on loan for the System as of September 30, 2005, were \$566,872,723 and \$20,135,436, respectively. The carrying amount, which is the fair market value, of securities on loan for the System as of September 30, 2005, was \$573,103,281.

Gross income from security lending for the fiscal year was \$14,504,416. Expenses associated with this income were the borrower's rebate of \$13,445,597 and fees paid to the agent of \$264,643.

Risk

In accordance with GASB Statement No. 40, investments require certain disclosures regarding policies and practices, and the risks associated with them. The credit risk, (including custodial credit risk and concentration of credit risk), the interest rate risk, and the foreign currency risk are discussed in the following paragraphs. Amounts represent the pro rata share of the underlying investments as required by GASB 40. These are held in internal investment pools and reported as such in the financial statements.

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

Credit Risk - Credit risk is the risk that an issuer will not fulfill its obligations.

- Short-Term Fixed Income Investments - Prime commercial paper investments must be rated A-1 or P-1 at the time of purchase as rated by the two major rating services Standard and Poor's Corporation (S&P); and Moody's Investor Service (Moody's), respectively. Borrowers must have at least \$400.0 million in commercial paper outstanding, and the State Treasurer may not invest in more than 10.0% of the borrowers outstanding debt. The investments are further limited to \$200.0 million in any borrower, unless the borrower has a A-1+ rating, in which case the investment is not to exceed \$300.0 million.
- Long-Term Fixed Income Investments - All long-term fixed income investments, that are rated, must be investment grade at time of purchase. Investment grade is defined in P.A. 314 of 1965, as amended: as investments in the top four major grades, rated by two national rating services. The State Treasurer's policy is to use S&P (AAA, AA, A, BBB); and Moody's (Aaa, Aa, A, Baa).

Rated Debt Investments (in thousands) September 30, 2005

| Investment Type | Fair Value | Rating | | Fair Value | Moody's |
|------------------------------------|---------------------|--------|--|---------------------|---------|
| | | S&P | | | |
| Short Term | \$ 432,631 | A-1 | | \$ 473,955 | P-1 |
| | 19,621 | A-2 | | 19,621 | P-2 |
| | 95,392 | NR | | 54,068 | NR |
| Government Securities | | | | | |
| U.S. Agencies- Sponsored | 490,632 | AAA | | 490,632 | Aaa |
| Corporate Bonds & Notes | | | | | |
| | 132,422 | AAA | | 132,422 | Aaa |
| | 180,370 | AA | | 214,461 | Aa |
| | 318,778 | A | | 279,620 | A |
| | 74,526 | BBB | | 93,899 | Baa |
| | 60,020 | BB | | 26,533 | Ba |
| | 12,139 | NR | | 31,320 | NR |
| International * | | | | | |
| | 163,613 | AAA | | 163,613 | Aaa |
| | 187,420 | AA | | 320,606 | Aa |
| | 391,930 | A | | 253,037 | A |
| | 19,028 | BB | | 19,028 | Ba |
| | | | | 5,707 | NR |
| Equity* | 10,375 | AA | | 20,749 | Aa |
| | 10,374 | A | | 0 | |
| Total | <u>\$ 2,599,271</u> | | | <u>\$ 2,599,271</u> | |

NR - not rated

* International and Equity Investment types consist of domestic floating rate note used as part of a Swap strategy

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

Custodial Credit Risk – Custodial credit risk for investments is the risk that, in the event of a failure of the counterparty, the State will not be able to recover the value of the investment or collateral securities that are in the possession of an outside party.

- Investment securities are exposed to custodial credit risk if the securities are uninsured, are not registered in the name of the government and are held by either:
- The counterparty or
- The counterparty's trust department or agent but not in the government name.

The State Treasurer does not have a policy for custodial risk. However, the State's custodial bank had a credit rating of AA at September 30, 2005. As of September 30, 2005, and 2004, the government securities with a market value of \$9,795 thousand and \$9,918 thousand, respectively, were exposed to custodial credit risk. These securities were held by the counterparty not in the name of the System.

Concentration of Credit Risk – Concentration of credit risk is the risk of loss attributed to the magnitude of a government's investment in a single issuer.

Other than obligations issued, assumed or guaranteed by the United States, its agencies or United States government sponsored enterprises, the System is prohibited by P.A. 314 of 1965, as amended, from investing in more than 5.0% of the outstanding obligations of any one issuer or investing more than 5.0% of a system's assets in the obligations of any one issuer.

At September 30, 2005, and 2004, there were no investments in any single issuer that accounted for more than 5.0% of the System's assets nor were there any investments totaling more than 5.0% of the obligations of any one issuer, other than U.S. Government Securities as described above.

Interest Rate Risk – Fixed Income Investments – Interest rate risk is the risk that changes in interest rates of debt investments will adversely affect the fair value of an investment.

The State Treasurer's policy states that cash equivalents are invested in short-term fixed income securities with an average weighted maturity of less than one year to provide liquidity and safety of principal from capital market and default risk. At September 30, 2005, and 2004, the fair value of the System's prime commercial paper was \$547,645 thousand and \$588,645 thousand with the weighted average maturity of 38 days and 41 days, respectively.

The State Treasurer does not have a policy regarding interest rate risk for long-term debt investments. However, the pension funds are invested with a long-term strategy. The goal is to balance higher returns while accepting minimum risk for the return. Analyzing the yield curve on individual securities as compared to U.S. Treasuries determines, in part, what is an acceptable risk for the return. Therefore, market conditions such as lower interest rates result in shorter duration and higher interest rates result in longer duration.

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

Debt Securities (in thousands) For the Years Ended September 30, 2005 and 2004

| | 2005 | | 2004** |
|----------------------------|---------------------|--------------------------------|---------------------|
| | Fair Value | Effective Duration in years | Fair Value |
| Government | | | |
| U. S. Treasury | \$ 78,199 | 4.3 | \$ 91,259 |
| U. S. Agencies - Backed | 222,688 | 5.3 | 200,124 |
| U. S. Agencies - Sponsored | 490,632 | 2.5 | 391,660 |
| Corporate | 778,255 | 4.1 | 794,042 |
| International* | | | |
| U. S. Agencies - Sponsored | 9,506 | 0.1 | 10,268 |
| Corporate | 752,485 | 0.2 | 812,103 |
| Equities* | 20,749 | 0.2 | 20,753 |
| Total | <u>\$ 2,352,514</u> | | <u>\$ 2,320,209</u> |

*International and Equities contain Domestic Government and Corporate Securities as a part of their derivative strategies. The interest rates reset on a quarterly basis for these securities.

**Effective duration ratings are not available for fiscal year 2004.

Foreign Currency Risk – Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or deposit.

The System invests in various securities denominated in foreign currencies. These investments are limited to 20% of the total assets of the System with an additional limit of 5% of the outstanding foreign securities of any single issuer. No investment is allowed in a country that has been identified by the United States State Department as engaging in or sponsoring terrorism. These limits are set forth in P.A. 314 of 1965, as amended. The types of foreign securities include equities, fixed income, mutual funds, and limited partnerships. At September 30, 2005, and 2004, the total amount of foreign investment subject to foreign currency risk were \$435,877 thousand and \$321,128 thousand which amounted to 4.3% and 3.4% of total investments of the System, respectively.

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

Foreign Currency Risk (in thousands) September 30, 2005

| <u>Region</u> | <u>Country</u> | <u>Currency</u> | <u>Alt. Invest. Market Value in U.S. \$</u> | <u>Equity Market Value in U.S. \$</u> | <u>International</u> | |
|-----------------------|----------------|-----------------|---|---|---|---|
| | | | | | <u>Equities Market Value in U.S. \$</u> | <u>Derivatives Market Value in U.S. \$*</u> |
| <u>AMERICA</u> | | | | | | |
| | Mexico | Peso | | \$ 51,339 | | |
| <u>EUROPE</u> | | | | | | |
| | European Union | Euro | \$ 64,603 | | \$ 12,927 | \$ 32,107 |
| | Switzerland | Franc | | 6,418 | | 4,912 |
| | Sweden | Krona | | | 83 | 2,850 |
| | Denmark | Krone | | | 302 | 1,769 |
| | Norway | Krone | | | 338 | 1,705 |
| | U.K. | Sterling | 5,686 | 34,484 | 7,920 | 17,905 |
| <u>PACIFIC</u> | | | | | | |
| | Australia | Dollar | | | 84 | 8,004 |
| | Hong Kong | Dollar | | | 1,159 | 2,148 |
| | Japan | Yen | 1,648 | | 854 | 24,401 |
| | New Zealand | Dollar | | | | 353 |
| | Singapore | Dollar | | | | 1,200 |
| | South Korea | Won | | | | 4,696 |
| <u>VARIOUS</u> | | | | | | |
| | Mutual Funds | Various | | | 145,982 | |
| | Total | | <u>\$ 71,937</u> | <u>\$ 92,241</u> | <u>\$ 169,649</u> | <u>\$ 102,050</u> |

*Note: International derivatives market value exposure to foreign currency risk is the net amount of unrealized gains and unrealized losses. Maturity dates on these investments range from October 2005 through September 2008 with an average maturity of 1.5 years. For more information on derivatives see Note 4.

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

Foreign Currency Risk (in thousands) September 30, 2004

| <u>Region</u> | <u>Country</u> | <u>Currency</u> | <u>Alt. Invest. Market Value in U.S. \$</u> | <u>Equity Market Value in U.S. \$</u> | <u>International</u> | |
|-----------------------|----------------|-----------------|---|---|---|---|
| | | | | | <u>Equity Market Value in U.S. \$</u> | <u>Derivatives Market Value in U.S. \$*</u> |
| <u>AMERICA</u> | | | | | | |
| | Mexico | Peso | | \$ 24,803 | | |
| <u>EUROPE</u> | | | | | | |
| | European Union | Euro | \$ 67,994 | | \$ 11,140 | \$ 20,020 |
| | Switzerland | Franc | | 3,986 | | 2,516 |
| | Sweden | Krona | | | 76 | 2,493 |
| | Denmark | Krone | | | 404 | 821 |
| | Norway | Krone | | | 237 | 676 |
| | U.K. | Sterling | 5,970 | 65,963 | 7,088 | 12,907 |
| <u>PACIFIC</u> | | | | | | |
| | Australia | Dollar | | | 91 | 5,127 |
| | Hong Kong | Dollar | | | 1,059 | 1,070 |
| | Japan | Yen | 1,207 | | 793 | 10,390 |
| | New Zealand | Dollar | | | | 338 |
| | Singapore | Dollar | | | | 1,156 |
| | South Korea | Won | | | | 1,570 |
| <u>VARIOUS</u> | | | | | | |
| | Mutual Funds | Various | | | 71,233 | |
| | Total | | <u>\$ 75,171</u> | <u>\$ 94,752</u> | <u>\$ 92,121</u> | <u>\$ 59,084</u> |

*Note: International derivatives market value exposure to foreign currency risk is the net amount of unrealized gains and unrealized losses. Maturity dates on these investments range from October 2004 through September 2007 with an average maturity of 1.5 years. For more information on derivatives see Note 4.

NOTE 5 - ACCOUNTING CHANGES

In fiscal year 2005, the State implemented Governmental Accounting Standards Board (GASB) Statement No. 40, *Deposit and Investment Risk Disclosures* (an amendment of GASB No. 3), which modifies and expands disclosure requirements for deposits and investments. The new requirements are effective for fiscal periods beginning after June 15, 2004. Information within this financial report is presented on a comparative basis.

The GASB has issued Statement No. 44, *Economic Condition Reporting: the Statistical Section*, which provides guidance on the tables and narrative explanations in the statistical section. The requirements of this statement are effective for fiscal periods beginning after June 15, 2005.

The GASB has issued Statement No. 43, *Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans*, which establishes uniform standards of financial reporting by state and local governmental entities for other post-employment benefit plans (OPEB plans). The requirements of this statement are effective one year prior to the effective date of the related Statement (GASB Statement No. 45, *Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions*) for the employer or the largest employer in the plan. Because the State of Michigan is a phase 1 government (those with total annual revenues of \$100 million or more), the System is required to implement this statement in financial statements for periods beginning after December 15, 2005.

FINANCIAL SECTION

Notes to Basic Financial Statements (Continued)

NOTE 6 - COMMITMENTS AND CONTINGENCIES

Under the Administrative Procedures Act, members may appeal a decision made by the Board. Once the administrative procedure has been exhausted, the decision may be appealed in Michigan's court system. Various cases that have exhausted the administrative procedures have been appealed in the court system. These cases are in the normal course of business and the System does not anticipate any material loss as a result of the contingent liabilities.

FINANCIAL SECTION

Required Supplementary Information

Schedule of Funding Progress

Expressing the net assets available for benefits as a percentage of the actuarial accrued liability provides one indication of the System's funding status. Analysis of this percentage over time indicates whether the System is becoming financially stronger or weaker. Generally, the greater this percentage, the stronger the System. Trends in unfunded actuarial accrued liability and annual covered payroll are both affected by inflation. Expressing the unfunded or overfunded actuarial accrued liability as a percentage of annual covered payroll approximately adjusts for the effects of inflation and aids analysis of progress made in accumulating sufficient assets to pay benefits when due. Generally, the smaller this percentage, the stronger the System.

Retirement Benefits (\$ in millions)

| Valuation Date Sept 30 | Actuarial Value of Assets (a) | Actuarial Accrued Liability ⁽¹⁾ (AAL) Entry Age (b) | Unfunded (Overfunded) Accrued Liability (UAAL) (b-a) | Funded Ratio AAL (a/b) | Covered Payroll (c) | UAAL as a % of Covered Payroll ((b-a)/c) |
|---------------------------|----------------------------------|--|--|---------------------------|------------------------|---|
| 1995 | \$ 6,090 | \$ 6,861 | \$ 771 | 88.8 % | \$ 2,431 | 31.7 % |
| 1996 | 6,678 | 7,147 | 469 | 93.4 | 2,515 | 18.7 |
| 1997 | 7,516 | 8,213 | 697 | 91.5 | 2,273 | 30.7 |
| 1997 ⁽²⁾ | 8,834 | 8,101 | (733) | 109.0 | 2,273 | (32.2) |
| 1998 | 9,109 | 8,374 | (735) | 108.8 | 2,108 | (34.9) |
| 1998 ⁽²⁾ | 9,109 | 8,497 | (612) | 107.2 | 2,108 | (29.0) |
| 1999 | 9,648 | 9,029 | (619) | 106.9 | 2,214 | (28.0) |
| 2000 | 10,337 | 9,474 | (863) | 109.1 | 2,254 | (38.3) |
| 2001 | 10,633 | 9,878 | (755) | 107.6 | 2,231 | (33.8) |
| 2002 | 10,616 | 10,753 | 137 | 98.7 | 2,133 | 6.4 |
| 2003 | 10,441 | 11,761 | 1,320 | 88.8 | 1,860 | 71.0 |
| 2004 ⁽³⁾ | 10,149 | 12,004 | 1,855 | 84.5 | 1,889 | 98.2 |

⁽¹⁾ Based on entry age normal actuarial method.

⁽²⁾ Revised actuarial assumptions and revised asset valuation method.

⁽³⁾ Revised actuarial assumptions.

FINANCIAL SECTION

Required Supplementary Information (Continued)

Schedule of Employer Contributions

| <u>Fiscal Year Ended Sept. 30</u> | <u>Actuarial Required Contribution (ARC)</u> | <u>Actual Contribution</u> | <u>Percentage Contributed</u> |
|---|--|--------------------------------|-----------------------------------|
| 1996 | \$ 262,458,665 | \$ 285,766,953 | 108.9 % |
| 1997 | 244,102,003 | 288,366,799 | 118.1 |
| 1998 | 126,396,181 | 145,734,677 | 115.3 |
| 1999 | 111,415,984 | 121,119,857 | 108.7 |
| 2000 | 120,906,261 | 121,817,366 | 100.8 |
| 2001 | 102,989,963 | 112,299,808 | 109.0 |
| 2002 | 111,551,549 | 87,486,128 ¹ | 78.4 |
| 2003 | 184,214,419 | 79,291,845 | 43.0 ² |
| 2004 | 262,546,900 | 103,873,294 ³ | 39.6 |
| 2005 | 308,208,544 | 256,433,052 | 83.2 |

¹ Employer contributions for fiscal year 2002 were transferred at year-end into the Health Advance Funding SubAccount established under Public Act 93 of 2002. PA 93 states in part that, "For each fiscal year that begins on or after October 1, 2001, if the actuarial valuation prepared ... demonstrates that as of the beginning of the fiscal year, and after all credits and transfers required by this act for the previous fiscal year have been made ... the annual level percent of payroll contribution rate ... may be deposited into the Health Advance Funding SubAccount..." Pursuant to this legislation, a transfer was made into the subaccount in the amount of \$87.5 million. The transfer would effectively bring the contribution percentage to 0.0% for the fiscal year ended September 30, 2002.

² The ARC and percentage contributed are due to the \$87.5 million transfer in fiscal year 2002 and an additional transfer of \$17.4 million into the Health Advance Funding SubAccount in fiscal year 2003.

³ In fiscal year 2004, \$24.4 million was transferred from the Health Advance Funding SubAccount to the Pension Plan at the request of the State Budget Director and with the approval of the legislature. The purpose of this transfer was to reduce the contribution rates charged to State agencies for fiscal year 2003-2004 to help bring the general fund budget back into balance.

FINANCIAL SECTION

Notes to Required Supplementary Information

NOTE A - DESCRIPTION

Ten year historical trend information designed to provide information about the System's progress made in accumulating sufficient assets to pay benefits when due is presented in the preceding schedules. Other ten year historical trend information related to the System is presented in the Statistical and Actuarial Sections of the report. This information is presented to enable the reader to assess the progress made by the System in accumulating sufficient assets to pay pension benefits as they become due.

The comparability of trend information is affected by changes in actuarial assumptions, benefit provisions, actuarial funding methods, accounting policies, and other changes. Those changes usually affect trends in contribution requirements and in ratios that use the pension benefit obligation as a factor.

The Schedule of Funding Progress and Schedule of Employer Contributions are reported as historical trend information. The Schedule of Funding Progress is presented to measure the progress being made to accumulate sufficient assets to pay benefits when due. The Schedule of Employer Contributions is presented to show the responsibility of the Employer in meeting the actuarial requirements to maintain the System on a sound financial basis.

NOTE B - SUMMARY OF ACTUARIAL ASSUMPTIONS

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

| | |
|-------------------------------|---|
| Valuation Date | 9/30/2004 |
| Actuarial Cost Method | Entry Age, Normal |
| Amortization Method | Level Percent of Payroll, Closed |
| Remaining Amortization Period | 32 years |
| Asset Valuation Method | 5-Year Smoothed Market |
| Actuarial Assumptions: | |
| Inflation Rate | 3.5% |
| Investment Rate of Return | 8% |
| Projected Salary Increases | 3.5-14.4% |
| Cost-of-Living Adjustments | 3% Annual Non-Compounded with Maximum Annual Increase of \$300 for those eligible |

FINANCIAL SECTION

Supporting Schedules

Comparative Summary of Pension Plan Administrative Expenses For the Years Ended September 30, 2005 and 2004

| | <u>2005</u> | <u>2004</u> |
|---|---------------------|---------------------|
| Personnel Services: | | |
| Staff Salaries | \$ 1,036,638 | \$ 961,284 |
| Retirement and Social Security | 275,384 | 225,593 |
| Other Fringe Benefits | 178,427 | 177,542 |
| Total | <u>1,490,449</u> | <u>1,364,419</u> |
| Professional Services: | | |
| Accounting | 238,421 | 162,338 |
| Actuarial | 97,000 | 97,000 |
| Attorney General | 270,554 | 253,266 |
| Audit | 20,480 | 35,952 |
| Consulting | 69,585 | 75,510 |
| Medical | 263,243 | 265,917 |
| Total | <u>959,283</u> | <u>889,983</u> |
| Building and Equipment: | | |
| Building Rentals | 88,325 | 116,194 |
| Equipment Purchase, Maintenance and Rentals | 12,445 | 6,199 |
| Total | <u>100,770</u> | <u>122,393</u> |
| Miscellaneous: | | |
| Travel and Board Meetings | 2,658 | 2,894 |
| Office Supplies | 13,714 | 14,130 |
| Postage, Telephone, and Other | 607,128 | 516,469 |
| Printing | 79,580 | 67,189 |
| Technological Support | 1,044,403 | 1,338,956 |
| Total | <u>1,747,483</u> | <u>1,939,638</u> |
| Total Administrative Expenses | <u>\$ 4,297,985</u> | <u>\$ 4,316,433</u> |

FINANCIAL SECTION

Supporting Schedules (Continued)

Schedule of Investment Expenses

| | <u>2005</u> | <u>2004</u> |
|----------------------------------|-----------------------------|-----------------------------|
| Real Estate Operating Expenses | \$ 152,515 | \$ 70,151 |
| Securities Lending Expenses | 13,710,240 | 5,348,636 |
| Other Investment Expenses* | <u>13,165,031</u> | <u>15,195,862</u> |
| Total Investment Expenses | <u>\$ 27,027,786</u> | <u>\$ 20,614,649</u> |

* See Investment Section for fees paid to investment professionals

Schedule of Payments to Consultants

| | <u>2005</u> | <u>2004</u> |
|-------------------------------------|--------------------------|--------------------------|
| Independent Auditors | \$ 20,480 | \$ 35,952 |
| Consulting | 69,585 | 75,510 |
| Medical | 263,243 | 265,917 |
| Attorney General | 270,554 | 253,266 |
| Accounting | 238,421 | 162,338 |
| Actuary | <u>97,000</u> | <u>97,000</u> |
| Total Payment to Consultants | <u>\$ 959,283</u> | <u>\$ 889,983</u> |

FINANCIAL SECTION

Supporting Schedules (Continued)

Detail of Changes in Plan Net Assets (Pension and Postemployment Healthcare Benefits) For the Year Ended September 30, 2005

| | Employee Contributions | Employer Contributions | Retired Benefit Payments | Undistributed Investment Income | Health Related Benefits* | Total |
|--|---------------------------|---------------------------|--------------------------------|---------------------------------------|--------------------------------|--------------------------|
| Additions: | | | | | | |
| Contributions: | | | | | | |
| Member contributions | \$ 30,395,040 | | | | \$ 10,701,614 | \$ 41,096,654 |
| Employer contributions | | \$ 256,433,052 | | | 324,305,023 | 580,738,075 |
| Total Contributions | <u>30,395,040</u> | <u>256,433,052</u> | <u>-</u> | <u>-</u> | <u>335,006,637</u> | <u>621,834,729</u> |
| Investment income (loss): | | | | | | |
| Investment income (loss) | | | | \$ 1,181,213,139 | | 1,181,213,139 |
| Interest income | | | | | 2,712,374 | 2,712,374 |
| Investment expenses: | | | | | | |
| Real estate operating expenses | | | | (152,515) | | (152,515) |
| Other investment expenses | | | | (13,165,031) | | (13,165,031) |
| Securities lending activities: | | | | | | |
| Securities lending income | | | | 14,504,416 | | 14,504,416 |
| Securities lending expenses | | | | (13,710,240) | | (13,710,240) |
| Net investment income(loss) | <u>-</u> | <u>-</u> | <u>-</u> | <u>1,168,689,769</u> | <u>2,712,374</u> | <u>1,171,402,143</u> |
| Transfer from pension/health benefit plans | | | | | | |
| Transfer from other systems | 119,594 | | | | | 119,594 |
| Miscellaneous income | | | | 2,575 | | 2,575 |
| Total additions | <u>30,514,634</u> | <u>256,433,052</u> | <u>-</u> | <u>1,168,692,344</u> | <u>337,719,011</u> | <u>1,793,359,041</u> |
| Deductions: | | | | | | |
| Benefits paid to plan members and beneficiaries: | | | | | | |
| Retirement benefits | | | \$ 746,673,263 | | | 746,673,263 |
| Health benefits | | | | | 295,431,830 | 295,431,830 |
| Dental/vision benefits | | | | | 27,402,308 | 27,402,308 |
| Refunds of member contributions | 63,782 | 227,810 | | | | 291,592 |
| Transfer to pension/health benefit plans | | | | | | - |
| Transfers to other systems | 15,051 | | | | | 15,051 |
| Administrative expenses | | | | 4,297,985 | | 4,297,985 |
| Total deductions | <u>78,833</u> | <u>227,810</u> | <u>746,673,263</u> | <u>4,297,985</u> | <u>322,834,138</u> | <u>1,074,112,029</u> |
| Net Increase (Decrease) | <u>30,435,801</u> | <u>256,205,242</u> | <u>(746,673,263)</u> | <u>1,164,394,359</u> | <u>14,884,873</u> | <u>719,247,012</u> |
| Other Changes in Net Assets: | | | | | | |
| Interest allocation | 2,202,532 | 552,270,949 | 112,647,000 | (667,120,481) | | - |
| Transfers upon retirement | (8,792,826) | | 8,792,826 | | | - |
| Transfers of employer shares | | (600,004,606) | 600,004,606 | | | - |
| Total other changes in net assets | <u>(6,590,294)</u> | <u>(47,733,657)</u> | <u>721,444,432</u> | <u>(667,120,481)</u> | <u>-</u> | <u>-</u> |
| Net Increase (Decrease) After Other Changes | 23,845,507 | 208,471,585 | (25,228,831) | 497,273,878 | 14,884,873 | 719,247,012 |
| Net Assets (Liabilities) Held in Trust for Pension and Health Benefits: | | | | | | |
| Beginning of Year | <u>185,773,730</u> | <u>1,408,087,494</u> | <u>6,903,386,861</u> | <u>931,215,439</u> | <u>33,904,675</u> | <u>9,462,368,199</u> |
| End of Year | <u>\$ 209,619,237</u> | <u>\$ 1,616,559,079</u> | <u>\$ 6,878,158,030</u> | <u>\$ 1,428,489,317</u> | <u>\$ 48,789,548</u> | <u>\$ 10,181,615,211</u> |

*Includes Health Advance Funding SubAccount

FINANCIAL SECTION

Supporting Schedules (Continued)

Detail of Changes in Plan Net Assets (Pension and Postemployment Healthcare Benefits) For the Year Ended September 30, 2004

| | <u>Employee Contributions</u> | <u>Employer Contributions</u> | <u>Retired Benefit Payments</u> | <u>Undistributed Investment Income</u> | <u>Health Related Benefits*</u> | <u>Total</u> |
|--|-----------------------------------|-----------------------------------|---|--|---|-------------------------|
| Additions: | | | | | | |
| Contributions: | | | | | | |
| Member contributions | \$ 37,682,883 | | | | \$ 9,723,230 | \$ 47,406,113 |
| Employer contributions | | \$ 103,873,294 | | | 357,554,699 | 461,427,993 |
| Total Contributions | <u>37,682,883</u> | <u>103,873,294</u> | <u>-</u> | <u>-</u> | <u>367,277,929</u> | <u>508,834,106</u> |
| Investment income (loss): | | | | | | |
| Investment income (loss) | | | | \$ 1,088,355,189 | | 1,088,355,189 |
| Interest income | | | | | 3,380,735 | 3,380,735 |
| Investment expenses: | | | | | | |
| Real estate operating expenses | | | | (70,151) | | (70,151) |
| Other investment expenses | | | | (15,195,862) | | (15,195,862) |
| Securities lending activities: | | | | | | |
| Securities lending income | | | | 6,017,148 | | 6,017,148 |
| Securities lending expenses | | | | (5,348,636) | | (5,348,636) |
| Net investment income(loss) | <u>-</u> | <u>-</u> | <u>-</u> | <u>1,073,757,688</u> | <u>3,380,735</u> | <u>1,077,138,423</u> |
| Transfer from pension/health benefit plans | | | | | | |
| | | 24,363,516 | | | | 24,363,516 |
| Transfer from other systems | 25,926 | | | | | 25,926 |
| Miscellaneous income | | | | 2,284 | | 2,284 |
| Total additions | <u>37,708,809</u> | <u>128,236,810</u> | <u>-</u> | <u>1,073,759,972</u> | <u>370,658,664</u> | <u>1,610,364,255</u> |
| Deductions: | | | | | | |
| Benefits paid to plan members and beneficiaries: | | | | | | |
| Retirement benefits | | | \$ 731,009,109 | | | 731,009,109 |
| Health benefits | | | | | 327,143,997 | 327,143,997 |
| Dental/vision benefits | | | | | 27,505,668 | 27,505,668 |
| Refunds of member contributions | 72,838 | 90,580 | | | | 163,418 |
| Transfer to pension/health benefit plans | | | | | 24,363,516 | 24,363,516 |
| Transfers to other systems | 19,708 | | | | | 19,708 |
| Administrative expenses | | | | 4,316,433 | | 4,316,433 |
| Total deductions | <u>92,546</u> | <u>90,580</u> | <u>731,009,109</u> | <u>4,316,433</u> | <u>379,013,181</u> | <u>1,114,521,849</u> |
| Net Increase (Decrease) | <u>37,616,263</u> | <u>128,146,230</u> | <u>(731,009,109)</u> | <u>1,069,443,539</u> | <u>(8,354,517)</u> | <u>495,842,406</u> |
| Other Changes in Net Assets: | | | | | | |
| Interest allocation | 1,580,303 | 417,845,366 | 242,039,298 | (661,464,967) | | - |
| Transfers upon retirement | (5,894,269) | | 5,894,269 | | | - |
| Transfers of employer shares | | (2,163,395,324) | 2,163,395,324 | | | - |
| Total other changes in net assets | <u>(4,313,966)</u> | <u>(1,745,549,958)</u> | <u>2,411,328,891</u> | <u>(661,464,967)</u> | <u>-</u> | <u>-</u> |
| Net Increase (Decrease) After Other Changes | <u>33,302,297</u> | <u>(1,617,403,728)</u> | <u>1,680,319,782</u> | <u>407,978,572</u> | <u>(8,354,517)</u> | <u>495,842,406</u> |
| Net Assets (Liabilities) Held in Trust for Pension and Health Benefits: | | | | | | |
| Beginning of Year | <u>152,471,433</u> | <u>3,025,491,222</u> | <u>5,223,067,079</u> | <u>523,236,867</u> | <u>42,259,192</u> | <u>8,966,525,793</u> |
| End of Year | <u>\$ 185,773,730</u> | <u>\$ 1,408,087,494</u> | <u>\$ 6,903,386,861</u> | <u>\$ 931,215,439</u> | <u>\$ 33,904,675</u> | <u>\$ 9,462,368,199</u> |

*Includes Health Advance Funding SubAccount

INVESTMENT SECTION

Prepared by Michigan Department of Treasury, Bureau of Investments
Jaqueline M. Johnson, CFA, Director

Report on Investment Activity
Asset Allocation
Investment Results
List of Largest Stock Holdings
List of Largest Bond Holdings
Schedule of Investment Fees
Schedule of Investment Commissions
Investment Summary

INVESTMENT SECTION

Report on Investment Activity

INTRODUCTION

The State Treasurer reports the investment activity quarterly to the Investment Advisory Committee (Committee), which reviews the investments, goals, and objectives of the retirement funds and may submit recommendations regarding them to the State Treasurer. The Investment Advisory Committee may also, by a majority vote, direct the State Treasurer to dispose of any holdings that, in the Committee's judgment, are not suitable for the funds involved, and may, by unanimous vote, direct the State Treasurer to make specific investments.

The Investment Advisory Committee was created by Act 380 of the Public Acts of 1965. The three public members of the five-member committee are appointed by the Governor with the advice and consent of the Senate for three-year terms. The Director of the Department of Labor and Economic Growth and the Director of the Department of Management and Budget are ex-officio members. In fiscal 2005, members of the Committee were as follows: David G. Sowerby, CFA (public member), Robert E. Swaney, CFA (public member), Marina v.N. Whitman (public member), David Hollister (ex-officio member), and Lisa Webb Sharpe (ex-officio member). The public members serve without pay, but may be paid actual and necessary travel and other expenses.

INVESTMENT POLICY & GOALS

Investment policy states that the fiduciary will operate within standard investment practices of the prudent person and in accordance with Public Employee Retirement System Investment Act 314 of 1965. The fiduciary is authorized to invest in government obligations, corporate debt obligations, various short-term debt obligations, corporate (domestic and international) stocks, venture capital interests, mutual funds, real estate interests, and other investments subject to specific parameters. Above all, pension fund assets are to be invested for the exclusive benefit of the members of the System.

The System's Proxy Voting Policy sets forth directives on the following issues: Boards of Directors, corporate governance, social issues, corporate restructurings and defenses. All proxies are reviewed and voted in accordance with the System's policy.

The primary function of the System is to provide retirement, survivor and disability benefits to its members. The State Treasurer is the sole investment fiduciary and custodian of the System's investments pursuant to State law. The primary investment objective is to maximize the rate of return on the total investment portfolio, consistent with a high degree of prudence and sufficient diversity to eliminate inordinate risks and to meet the actuarial assumption for the investment rate of return, at a reasonable cost achieved by cultivating a motivated team of dedicated professionals. The goals of the System are:

1. Achieve the optimal rate of return possible within prudent levels of risk.
2. Maintain sufficient liquidity to pay benefits.
3. Diversify assets to preserve capital and avoid large losses.
4. Meet or exceed the actuarial assumption over the long term.
5. Perform in the top half of the public plan universe over the long term.
6. Exceed individual asset class benchmarks over the long term.
7. Operate in a cost-effective manner relative to peers.

The strategy for achieving these goals is carried out by investing the assets of the System according to a five-year asset allocation model. The System currently has seven different asset classes, which provides for a well-diversified portfolio.

INVESTMENT SECTION

Report on Investment Activity (Continued)

| <u>Investment Category</u> | Asset Allocation | |
|-------------------------------------|---|------------------|
| | (Excludes Collateral on Loaned Securities) | |
| | As of 9/30/05 | Five-Year |
| | Actual % | Target % |
| Domestic Equity - Active | 33.1% | 34.0% |
| Large Cap Value Pool | 15.5% | |
| Large Cap Growth Pool | 15.9% | |
| Mid Cap Pools | 0.9% | |
| Small Cap Pools | 0.8% | |
| Domestic Equity - Passive | 15.8% | 14.0% |
| S&P 500 Index Pool | 13.4% | |
| S&P MidCap Index Pool | 2.1% | |
| S&P Small Cap Index Pool | 0.3% | |
| International Equity Pool | 11.8% | 10.0% |
| International Equity Pool - Passive | 11.2% | |
| International Equity Pool - Active | 0.6% | |
| Alternative Investments Pool | 11.1% | 13.0% |
| Real Estate Pool | 8.5% | 11.0% |
| Fixed Income | 16.0% | 15.0% |
| Government Bond Pool | 8.0% | |
| Corporate Bond Pool | 8.0% | |
| Short Term Investment Pool | 3.7% | 3.0% |
| TOTAL | 100.0% | 100.0% |

INVESTMENT AUTHORITY

Pursuant to State Law (Section 91 of Act No. 380 of the Public Acts of 1965, as amended), the State Treasurer, State of Michigan, is the investment fiduciary for the following four State sponsored retirement systems: Michigan Public School Employees' Retirement System, Michigan State Employees' Retirement System, Michigan State Police Retirement System, and Michigan Judges' Retirement System.

Act No. 314 of the Public Acts of 1965, as amended, authorizes the investment of assets of public employee retirement systems or plans created and established by the State or any political subdivision.

INVESTMENT RESULTS

Total Portfolio Results

For the fiscal year ended September 30, 2005, the total System's rate of return was 12.8% as compiled by State Street Analytics. Annualized rates of return for the three-year period ending September 30, 2005, were 13.3%; for the five-year period were 2.9%; and for the ten-year period were 9.0%.

Returns were calculated using a time-weighted rate of return in accordance with standards of the CFA Institute, unless a modification is described in the discussion of the reported return.

INVESTMENT SECTION

Report on Investment Activity (Continued)

These results were driven by double-digit returns from every major asset class except fixed income. Equity performance was a mirrored reflection of the previous year. Stocks started the year on a very strong note, reflecting the solid economy and low inflation. As the year drew to a close, several factors caused equity markets to level off. The U.S. Gulf Coast was wracked by Hurricanes Katrina and Rita that hindered oil and gas production. This sent energy prices soaring and inflation climbing. Interest rates were again volatile throughout the year. Alternative Investments continued to reap the benefits of a series of investments that were made in prior years. Real Estate gains reflected a favorable environment to also realize double-digit gains. Bonds experienced a relatively volatile year as the markets struggled with rising short-term rates countered by strong demand for long-term bonds. As a result, bonds turned in low single-digit gains for the year. Conversely, returns for the short-term pool improved throughout the year, benefiting from rising short-term rates.

For the fiscal year, the Dow Jones Industrial Average provided a total return of 7.2%, while the broader S&P 500 returned 12.3%. The Lehman Brothers U.S. Government/Credit Bond Index appreciated 2.6%.

The U.S. economy grew at a rate of 3.0% in fiscal year 2005 as measured by real gross domestic product. The first half of the period was stronger while the second half was buffeted by soaring energy prices and the devastation caused by twin hurricanes in the Gulf States. Corporate earnings remained robust, led by record earnings for energy companies. Inflation, as measured by the consumer price index, increased a relatively tame 3.2% in spite of higher energy prices.

The Federal Reserve continued its “measured pace” of monetary tightening in spite of economic disruptions caused by the hurricanes and with no apparent intention of stopping. It raised the Fed Funds rate by 0.25% at each of its eight Federal Open Market Committee meetings during the fiscal year. This resulted in a Fed Funds rate of 3.75% by the end of fiscal 2005, up two full percentage points from the prior year.

The System remains well diversified, both across and within asset classes, and positioned to benefit from moderate economic growth and rising interest rates.

Large Cap Value Pool

The primary objective of the pool of large company value stocks is to generate a rate of return from investment in common stocks and equity equivalents that exceeds that of the S&P Barra Value Index.

The pool invests in equities and equity-related securities primarily of U.S. companies with market capitalization generally greater than \$5 billion that are significantly under-priced as measured by price-to-earnings and/or price-to-book value ratios and below fair value as determined by quantitative and qualitative models. The focus is on companies with a strong presence in depressed categories, experienced management and conservative accounting practices. At times a portion of the pool may be invested in fixed-income short-term securities with maturities of less than one year.

The pool invests in equities and equity related securities that are listed on U.S. national securities exchanges, including American Depository Receipts (ADRs). It may also invest in stocks that are traded over-the-counter. The pool diversifies its investments by allocating its equities into ten sectors, and monitors the weightings and performance of these sectors relative to that of the S&P Barra Value Index.

INVESTMENT SECTION

Report on Investment Activity (Continued)

The following summarizes the sector weightings of the pool as of September 30, 2005:

| | |
|------------------------|-----------------------|
| Finance | 40.6 % |
| Consumer Discretionary | 9.8 |
| Energy | 9.7 |
| Industrials | 8.6 |
| Utilities | 8.4 |
| Technology | 7.2 |
| Health Care | 7.0 |
| Short Term Investments | 3.7 |
| Materials | 3.0 |
| Other | 1.8 |
| Consumer Staples | 0.2 |
| Total | <u>100.0</u> % |

The System's Large Cap Value pool achieved a total rate of return of 12.7% for fiscal 2005. This compared with 13.8% for the S&P 500 Barra Value Index.

At the close of fiscal year 2005, the Large Cap Value pool represented 15.5% of total investments. This compares to 16.8% for fiscal year 2004. The following summarizes the System's 19.8% ownership share of the Large Cap Value pool at September 30, 2005:

Large Cap Value Pool (in thousands)

| | |
|--------------------------------|----------------------------|
| Short Term Pooled investments | \$ 55,743 |
| Equities | 1,506,455 |
| Settlement Principal Payable | (12,778) |
| Settlement Proceeds Receivable | 6,690 |
| Accrued dividends | 1,219 |
| Total | <u>\$ 1,557,329</u> |

Large Cap Growth Pool

The primary investment objective is to generate a rate of return from investment in common stocks and equity equivalents that exceeds that of the S & P Barra Growth Index.

The pool invests in equities and equity-related securities primarily of U.S. companies with market capitalization generally greater than \$5 billion whose earnings growth rates are expected to exceed the growth rate of the S & P 500 Index and are priced at or below fair value as determined by quantitative and qualitative models. The focus is on companies with a strong presence in categories anticipated to be fast growing, with high rates of unit sales growth and seasoned management. At times a portion of the pool may be invested in fixed-income short-term securities with maturities of less than one year.

The pool invests in equities and equity related securities that are listed on U.S. national securities exchanges, including American Depository Receipts (ADRs). It may also invest in stocks that are traded over-the-counter. The pool diversifies its investments by allocating its equities into ten sectors, and monitors the weightings and performance of these sectors relative to that of the S & P Barra Growth Index.

INVESTMENT SECTION

Report on Investment Activity (Continued)

The following summarizes the sector weightings of various sectors in the pool as of September 30, 2005:

| | |
|------------------------|------------------------------|
| Technology | 25.6 % |
| Health Care | 16.9 |
| Consumer Staples | 14.5 |
| Industrials | 14.1 |
| Energy | 9.7 |
| Consumer Discretionary | 9.3 |
| Financials | 4.0 |
| Short Term Investments | 1.8 |
| Utilities | 1.5 |
| Other | 1.4 |
| Materials | 1.2 |
| Total | <u><u>100.0</u></u> % |

The Large Cap Growth pool's total rate of return was 8.5% for the fiscal year versus 10.7% for the S&P 500 Barra Growth Index.

At the close of fiscal year 2005, the Large Cap Growth pool represented 15.9% of total investments. This compares to 15.6% for fiscal year 2004. The following summarizes the System's 19.9% ownership share of the Large Cap Growth pool at September 30, 2005:

Large Cap Growth Pool (in thousands)

| | |
|--------------------------------|-----------------------------------|
| Short Term Pooled investments | \$ 33,758 |
| Equities | 1,567,042 |
| Settlement Principal Payable | (5,904) |
| Settlement Proceeds Receivable | 3,267 |
| Accrued dividends | 1,759 |
| Total | <u><u>\$ 1,599,922</u></u> |

Mid Cap Pools

Four Mid Cap managers were selected in fiscal year 2005, and they began managing money for the System beginning May 2, 2005. They were funded from short-term investments out of the Large Cap Value and Large Cap Growth pools. Their investment objective is to generate a rate of return from investment in common stocks and equivalents that exceeds that of the S&P 400 MidCap Index.

The System invests in the Artisan Midcap, the Cramer Rosenthal McGlynn Midcap, the Los Angeles Capital Midcap Plus, and the Wellington Management Midcap pools.

The Mid Cap pools combined rate of return from inception to fiscal year end was 11.6%.

At the close of fiscal year 2005, the Mid Cap pools represented 0.9% of total investments. The following summarizes the System's ownership share and composition of the four Mid Cap pools at September 30, 2005:

| | Mid Cap Pools (in thousands) | | | |
|----------------------|---------------------------------|--------------------------------|----------------------------------|------------------------------------|
| | Artisan Midcap | Cramer Rosenthal McGlynn | Los Angeles Capital Midcap | Wellington Management Midcap |
| Total Equities | \$ 16,469 | \$ 27,032 | \$ 16,698 | \$ 27,807 |
| Ownership Percentage | 20.0% | 20.0% | 19.9% | 19.9% |

INVESTMENT SECTION

Report on Investment Activity (Continued)

Small Cap Pools

The System invests in the Delaware and Putnam small cap growth pools. These are investment positions with the small company growth managers at Delaware Investment Advisors (Delaware) and Putnam Investments (Putnam). The primary investment objective of the small cap growth pools is to generate a rate of return from investment in common stocks and equivalents that exceeds that of the Russell 2000 Growth Index.

The System's Small Cap Growth pool invested with Delaware achieved a total rate of return of 11.7% for fiscal 2005, while Putnam's total rate of return was 22.6%, resulting in a combined return of 15.2%. The Russell 2000 Growth Index total return was 18.0%.

Three Small Cap Value managers were selected at the beginning of the fiscal year to manage money for the System beginning October 1, 2004. They were funded from short-term investments out of the Large Cap Value pool. The primary investment objective of the small cap value pools is to generate a rate of return from investment in common stocks and equivalents that exceeds the Russell 2000 Value Index.

The System invests in the Putnam, Northpointe, and Fisher small cap value pools. These are investment positions with the small company value managers at Putnam Investments (Putnam), Northpointe Capital (Northpointe) and Fisher Investments, Inc. (Fisher).

The System's Small Cap Value pool invested with Putnam achieved a total rate of return of 18.3% for fiscal 2005, Northpointe's total rate of return was 20.8% and Fisher's total rate of return was 18.1%, resulting in a combined return of 19.1%. This compared favorably with the Russell 2000 Value Index total return of 17.8%.

At the close of fiscal year 2005, the five Small Cap pools represented 0.8% of total investments. The following summarizes the System's ownership share and composition of the five pools at September 30, 2005:

| | Small Cap Pools (in thousands) | | | | |
|----------------------|---|--------------------------|-------------------------|------------------------------|-------------------------|
| | Delaware Growth | Putnam Growth | Putnam Value | Northpointe Value | Fisher Value |
| Total Equities | \$31,369 | \$15,885 | \$11,662 | \$11,908 | \$11,630 |
| Ownership Percentage | 20.9% | 21.0% | 19.8% | 19.8% | 19.8% |

S&P 500 Index Pool

The objective of the enhanced S&P 500 Index pool is to closely match the return performance of its benchmark, the S&P 500 Index, and to use low risk strategies to offset transaction costs and add to performance when possible. The pool generally holds all 500 stocks that make up the Standard & Poor's 500 Index in proportion to their weighting in the index. The following summarizes the sector weightings of the pool as of September 30, 2005:

| | |
|------------------------|-----------------------|
| Financials | 20.1 % |
| Information Technology | 15.3 |
| Health Care | 13.3 |
| Industrials | 11.1 |
| Consumer Discretionary | 10.7 |
| Energy | 10.3 |
| Consumer Staples | 9.6 |
| Utilities | 3.6 |
| Telecomm. Services | 3.1 |
| Materials | 2.9 |
| Total | <u>100.0</u> % |

INVESTMENT SECTION

Report on Investment Activity (Continued)

The S&P 500 Index pool return for the fiscal year was 12.3% versus the benchmark's 12.3%.

At the close of fiscal year 2005, the S&P 500 Index pool represented 13.4% of total investments. This compares to 13.9% for fiscal year 2004. The following summarizes the System's 19.6% ownership share of the S&P 500 Index pool at September 30, 2005:

S&P 500 Index Pool (in thousands)

| | | |
|-------------------------------|-----------|-------------------------|
| Short Term Pooled investments | \$ | 33,422 |
| Equities | | 1,316,078 |
| Hedge Contracts | | 61 |
| Settlement Principal Payable | | (618) |
| Accrued dividends | | 1,465 |
| Total | \$ | <u>1,350,408</u> |

S&P MidCap Pool

The objective of the S&P MidCap Index pool is to closely match the return performance of its benchmark, the S&P MidCap, and use low risk strategies to offset transaction costs and add to performance when possible. The pool invests in equities of mid-size firms.

The S&P MidCap Index pool return for the fiscal year was 22.3% versus its benchmark's 22.2%.

At the close of fiscal year 2005, the S&P MidCap Index pool represented 2.1% of total investments. This compares to 1.9% for fiscal year 2004. The following summarizes the System's 21.0% ownership share of the S&P MidCap Index pool at September 30, 2005:

S&P MidCap Pool (in thousands)

| | | |
|-------------------------------|-----------|-----------------------|
| Short Term Pooled investments | \$ | 10,530 |
| Equities | | 199,908 |
| Hedge Contracts | | 32 |
| Accrued dividends | | 116 |
| Total | \$ | <u>210,586</u> |

S&P Small Cap Index Pool

The objective of the S&P Small Cap Index pool is to match the return of its benchmark, the S&P 600 Small Cap Index. The S&P Small Cap Index pool return for the fiscal year was 21.2% versus the benchmark's 21.2%.

The pool achieves exposure to small cap equity returns primarily by investing in a combination of fixed income notes and equity swap agreements tied to the S&P 600 index. The total notional amount of the S&P 600 swap agreements is invested in dedicated fixed income notes. Interest from the dedicated notes is exchanged for S&P 600 stock returns. Use of swap agreements for a core position began in 2002, and an S&P 600 Exchange Traded Fund was added to this pool in 2004 to enhance management flexibility.

At the close of fiscal year 2005, the S&P Small Cap Index pool represented 0.3% of total investments. This compares to 0.3% for fiscal year 2004.

INVESTMENT SECTION

Report on Investment Activity (Continued)

The following summarizes the System's 20.8% ownership share of the S&P Small Cap Index pool at September 30, 2005:

S&P Small Cap Index Pool (in thousands)

| | | |
|-------------------------------|-----------|----------------------|
| Short Term Pooled investments | \$ | 224 |
| Equities | | 4,875 |
| Debt Securities | | 20,749 |
| Hedge Contracts | | 3,921 |
| Accrued dividends | | 46 |
| Total | \$ | <u>29,815</u> |

International Equities Pool - Passive

The objective of the International Equities Pool – Passive is to match the return performance of the S&P/Citigroup Broad Market Index (BMI) Europe and Pacific Composite (EPAC) adjusted for net dividends. Fifty percent of the benchmark is hedged to the U.S. Dollar and the other half is impacted by foreign currency exchange rate changes. The total passive international return was 27.3% in the fiscal year compared to the Citigroup BMI-EPAC return of 29.4%. The passive international return was 22.8% for three years compared to the benchmark's return of 23.3% over the same period.

Core passive exposure to international equity returns is achieved primarily by investing in a combination of fixed income notes and equity swap agreements on foreign stock indices in developed markets. Interest on the dedicated notes is exchanged for international stock returns, and the total notional amount of the swap agreements is invested in the approximate proportions of the S&P/Citigroup Broad Market Index (BMI) Europe and Pacific Composite (EPAC) country weightings in related indices. Use of swap agreements for a core position began in 1993, an American Depository Receipts (ADR) and index-related security portfolio was added in June of 1999 to increase management flexibility, and a country fund portfolio was added in September of 2002 to improve exposure to the smallest companies in the BMI index.

The combination of fixed income LIBOR notes and equity swap agreements was valued at \$1,006.8 million on September 30, 2005. That valuation included a net unrealized gain of \$244.8 million on equity index exposures and an unrealized loss of \$0.3 million on LIBOR note investments held. The combined swap agreement and LIBOR portfolio structure continues to perform like a stock index fund that realizes all gains and losses on a rolling three-year basis. During fiscal year 2005, \$55.1 million of gains on equity exposures were realized, \$16.2 million of interest in excess of obligations on completed swaps were recognized, and \$108 thousand of gains on LIBOR notes were realized.

At the close of fiscal year 2005, the International Equities – Passive pool represented 11.2% of total investments. This compares to 10.9% for fiscal year 2004. The following summarizes the System's 19.0% ownership share of the International Equities Pool – Passive at September 30, 2005:

International Equities Pool - Passive (in thousands)

| | | |
|--------------------------------|-----------|-------------------------|
| Short Term Pooled investments | \$ | 4,002 |
| Equities | | 110,000 |
| Debt Securities | | 761,990 |
| Hedge Contracts | | 242,528 |
| Accrued dividends and interest | | 4,096 |
| Total | \$ | <u>1,122,616</u> |

INVESTMENT SECTION

Report on Investment Activity (Continued)

International Equities Pool – Active

The primary investment objective is to generate a rate of return from investment in common stocks and equivalents that exceeds the S&P Citigroup Broad Market Index (BMI) World Ex-United States. All of the benchmark is impacted by foreign currency exchange rate changes.

The System invests in the Alliance International Large Cap Growth and Value pools. The pools represent equity investments managed by international value and growth managers at Alliance Capital. The pool is composed of 49.8% Large Cap Growth and 50.2% Large Cap Value.

The System's pool invested with Alliance Large Cap Growth achieved a total rated of return of 13.3% since the fund's inception on May 2, 2005, while Alliance Large Cap Value achieved a total rate of return of 16.1%, resulting in a combined return of 14.7%. This compared favorably with the S&P Citigroup Broad Market Index (BMI) World Ex-United States total return of 13.9%.

At the close of fiscal year 2005, the International Equities – Active pool represented 0.6% of total investments. The following summarizes the System's 19.6% ownership share and composition of the pool at September 30, 2005:

International Equities Pools – Active (in thousands)

| | |
|----------------|-----------------|
| | Alliance |
| Total Equities | \$ 59,649 |

Alternative Investments Pool

The Alternative Investments pool objective is to meet or exceed the S&P 500 Index plus 300 basis points for all private equity pools over long time periods.

Alternative Investments are investments in the private equity market, primarily through limited partnerships. The following summarizes weightings of the pool as of September 30, 2005:

| | |
|-------------------------------|-----------------------|
| Buyout Funds | 59.7 % |
| Venture Capital Funds | 16.4 |
| Special Situation Funds | 11.4 |
| Fund of Funds and Hedge Funds | 7.8 |
| Mezzanine Funds | 3.7 |
| Short Term Investments | 1.0 |
| Total | <u>100.0 %</u> |

The Alternative Investments pool had a return of 21.8% for the fiscal year ended September 30, 2005, as compiled by State Street Analytics versus the S&P 500 Index plus 300 basis points of 15.4%.

Credit Suisse Asset Management (CSAM) manages the stock distributions of the Alternative Investments. The CSAM pool return for the fiscal year ending September 30, 2005 was -9.0%.

At the close of fiscal year 2005, the Alternative Investments pool represented 11.0% of total investments and Credit Suisse Asset Management pool represented 0.1% of total investments. This compares to 12.8% for Alternative and 0.1% for CSAM for fiscal year 2004.

INVESTMENT SECTION

Report on Investment Activity (Continued)

The following summarizes the System's ownership share and composition of the Alternative Investments pool and the Credit Suisse Asset Management pool at September 30, 2005:

| Alternative Investments Pool | | |
|-------------------------------------|----------------------------|------------------------|
| (in thousands) | | |
| | <u>Alternative</u> | <u>CSAM</u> |
| Short Term Pooled Investments | \$ 11,780 | \$ 219 |
| Settlement Proceeds Receivable | - | 61 |
| Equities | 1,102,223 | 4,970 |
| Total | <u>\$ 1,114,003</u> | <u>\$ 5,250</u> |
| Ownership Percentage | 19.1% | 19.1% |

Real Estate Pool

The Real Estate pool seeks favorable risk-adjusted returns through rental income and appreciation of real estate investments. Real estate investments are typically held through various legal investment entities, such as limited partnerships or limited liability companies, established for the specific purpose of owning, leasing, managing, financing, or developing real estate and real estate related investments. Independent third parties regularly value the real estate investments to establish current market values.

The Real Estate pool may invest in each of the following four quadrants of the real estate capital markets:

- Private equity markets - An ownership interest in stabilized real estate assets, which may also include development and redevelopment of real estate.
- Public equity markets - Securities of publicly traded equity real estate companies whose primary purpose is to own, lease, manage, and develop real estate.
- Private debt markets - Mortgage loans secured by real estate.
- Public debt markets - Publicly traded commercial mortgage-backed securities market.

The Real Estate pool diversifies its holdings by:

- Geographic region - The pool is broadly diversified geographically across the country. Emphasis is placed upon U.S. real estate investments, but may also include foreign real estate investments. Foreign investments are currently less than one percent of the total equity value of the pool, and are not expected to exceed ten percent of the total equity value of the pool.
- Property (size and value) - The pool diversifies its holdings so that it is not concentrated in a few large real estate assets.
- Property type - The pool is diversified by type of property and by class of property.

Major property types as of September 30, 2005:

| <u>Description</u> | <u>Percent</u> |
|---|-----------------------|
| Multi-family apartments | 33.5 % |
| Commercial office buildings | 22.1 |
| Retail shopping centers | 13.0 |
| Hotels | 11.1 |
| For sale housing, land, self-storage, and senior living | 10.5 |
| Industrial warehouse buildings | 7.4 |
| Short Term Investments | 2.4 |
| Total | <u>100.0 %</u> |

INVESTMENT SECTION

Report on Investment Activity (Continued)

The net total return for the fiscal year ending September 30, 2005, was 14.4%, as compiled by State Street Analytics. This compares to the benchmark return of 18.4%. The benchmark is the National Council of Real Estate Investment Fiduciaries Property Index (NPI) less 75 basis points. The adjustment to the NPI is made to approximate industry comparable returns due to the fact that the Real Estate pool's returns are calculated net of all overhead and management fees, while the NPI calculates returns on a gross property level basis before overhead and standard investment management fees. The benchmark does not include short-term investments, and the amount of purchase and sale activity during the fiscal year resulted in a high average short-term investment balance that dampened performance within the Real Estate pool.

At the close of fiscal year 2005, the Real Estate pool had a total net equity value of \$856 million that represented 8.5% of total investments. This compares to 7.8% for fiscal year 2004. The following summarizes the System's 21.7% ownership share of the Real Estate pool at September 30, 2005:

| Real Estate Pool | |
|-------------------------------|---------------------------------|
| (in thousands) | |
| Short Term Pooled investments | \$ 20,650 |
| Equities | 835,493 |
| Debt Securities | 2 |
| Total | <u><u>\$ 856,145</u></u> |

Government Bond Pool

The objectives are to maximize the rate of return consistent with sound portfolio management principles and to outperform the benchmark, Lehman Brothers Government Index.

The pool invests in a diversified portfolio of government bonds including, but not limited to, treasuries, agencies, and government sponsored enterprises. To achieve above average returns, the pool emphasizes those sectors exhibiting the best risk reward relationship relative to historical norms and the outlook for interest rates.

For the fiscal year ending September 30, 2005, the Government Bond Pool returned 3.4%, which compared favorably to the Lehman Brothers Government Index of 2.5%.

Rates continued to be volatile during the year. Ten-year treasuries started the year at 4.11%, rose to 4.64%, plunged to 3.89%, and ended at 4.33%. The yield curve continued to flatten with short and intermediate rates continuing to rise over the year while long rates declined marginally.

The following summarizes the security type breakdown of the pool as of September 30, 2005:

| | |
|------------------------|------------------------------|
| U.S. Agency | 60.4 % |
| GNMA | 21.7 |
| U.S. Treasury | 9.7 |
| U.S. Guaranteed | 6.3 |
| Short Term Investments | 1.9 |
| Total | <u><u>100.0 %</u></u> |

INVESTMENT SECTION

Report on Investment Activity (Continued)

At the close of fiscal year 2005, the Government Bond pool represented 8.0% of total investments. This compares to 8.5% for fiscal year 2004. The following summarizes the System's 19.6% ownership share of the Government Bond pool at September 30, 2005:

Government Bond Pool (in thousands)

| | | |
|-------------------------------|-----------|-----------------------|
| Short Term Pooled investments | \$ | 8,803 |
| Debt Securities | | 791,518 |
| Accrued dividends | | 6,629 |
| Total | \$ | <u>806,950</u> |

Corporate Bond Pool

The objectives are to maximize the rate of return consistent with sound portfolio management principles and to outperform the Lehman Brothers Credit Index.

The pool invests in a diversified portfolio of investment grade corporate issues. Such issues are rated in the top four categories by nationally recognized rating agencies. Non-rated bonds are acceptable if they are determined to be of comparable quality. To achieve above average returns, the pool emphasizes those sectors exhibiting the best risk reward relationship relative to historical norms and the outlook for interest rates.

For the fiscal year ending September 30, 2005, the Corporate Bond pool returned 2.1% compared to the Lehman Brothers Credit Index of 2.8%.

The pool's performance improved as the year progressed due to the continued rise in rates later in the year. The underperformance for the fiscal year reflected the strength of long rates early in the year declining from 4.9% in October 2004 to 4.19% in June before rising to 4.57% at year end.

The following summarizes the security type breakdown of the pool as of September 30, 2005:

| | |
|------------------------|-----------------------|
| Financials | 39.9 % |
| Health Care | 11.9 |
| Consumer Discretionary | 10.7 |
| Industrials | 9.4 |
| Consumer Staples | 7.3 |
| Utilities | 5.9 |
| Materials | 5.4 |
| Other | 4.0 |
| Short Term Investments | 3.3 |
| Information Technology | <u>2.2</u> |
| Total | <u>100.0 %</u> |

At the close of fiscal year 2005, the Corporate Bond pool represented 8.0% of total investments. This compares to 8.6% for fiscal year 2004. The following summarizes the System's 19.0% ownership share of the Corporate Bond pool at September 30, 2005:

Corporate Bond Pool (in thousands)

| | | |
|-------------------------------|-----------|-----------------------|
| Short Term Pooled investments | \$ | 19,406 |
| Debt Securities | | 778,255 |
| Settlement Principal Payable | | (1,460) |
| Accrued dividends | | 8,964 |
| Total | \$ | <u>805,165</u> |

INVESTMENT SECTION

Report on Investment Activity (Continued)

Short Term Investments Pool

The objective of the Short Term Investment pool is to closely match the return performance of its benchmark, the 30 day Treasury bill. The Short Term Investment pool return for the fiscal year was 2.4% versus the benchmark's 2.5%.

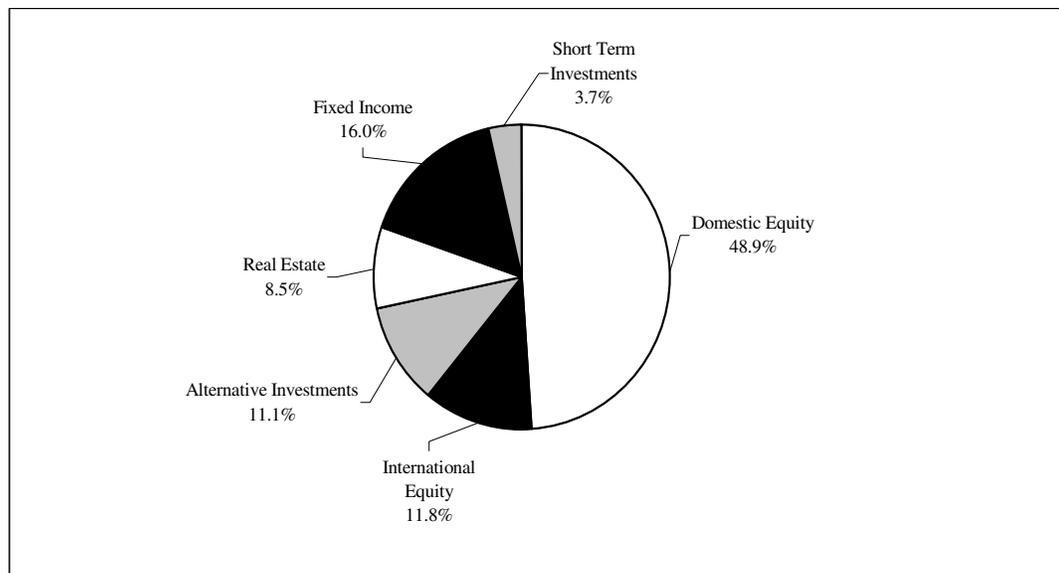
Potential areas of investment are:

- Obligations of the United States or its agencies.
- Banker's acceptances, commercial accounts, certificates of deposit or depository receipts.
- Repurchase agreements for the purchase of securities issued by the US government or its agencies.
- Commercial paper rated at the time of purchase within the two highest classifications established by not less than two national rating services as determined by the State Treasurer.

As of September 30, 2005, the Short Term Investment pool was 100% invested in commercial paper because of its advantages in yield and flexibility in maturities.

At the close of fiscal year 2005, the Short Term Investment pool represented 3.7% of total investments. This compares to 2.4% for fiscal year 2004. The System's ownership of the Short Term Investment Pool at September 30, 2005, was \$370,571,193 composed of debt securities and equity in common cash.

Asset Allocation – Security Type Only



INVESTMENT SECTION

Investment Results for the Period Ending September 30, 2005

| <u>Investment Category</u> | <u>Current Year</u> | <u>Annualized Rate of Return *</u> | | |
|--|---------------------|------------------------------------|----------------|-----------------|
| | | <u>3 Years</u> | <u>5 Years</u> | <u>10 Years</u> |
| Total Portfolio | 12.8 % | 13.3 % | 2.9 % | 9.0 % |
| Total Domestic Equity | 11.8 | 16.8 | (0.4) | 9.6 |
| S&P 1500 Index | 13.4 | 17.5 | (0.5) | 9.8 |
| Large Cap Value Pool | 12.7 | | | |
| Large Cap Growth Pool | 8.5 | | | |
| Mid Cap Pools | 11.6 | | | |
| Small Cap Value Pool | 19.1 | | | |
| Small Cap Growth Pool | 15.2 | | | |
| S&P 500 Index Pool | 12.3 | | | |
| S&P MidCap Index Pool | 22.3 | | | |
| S&P Small Cap Index Pool | 21.2 | | | |
| International Equity Pool - Passive | 27.3 | 22.8 | 2.6 | 7.7 |
| S&P Citigroup BMI - EPAC - 50/50 | 29.4 | 23.3 | 2.8 | 7.3 |
| International Equity Pool - Active | 14.7 | | | |
| Alternative Investments Pool | 21.8 | 14.5 | 0.9 | 12.8 |
| S&P 500 Index plus 300 Basis Points | 15.4 | 19.9 | 2.0 | 13.0 |
| Credit Suisse Asset Management (Stock Distributions) | (9.0) | | | |
| Real Estate Pool | 14.4 | 9.6 | 9.3 | 10.4 |
| NCREIF Property Index minus 75 Basis Points | 18.4 | 12.3 | 10.2 | 10.9 |
| Total Fixed Income | 2.7 | 3.9 | 6.3 | 6.4 |
| Lehman Brothers Government/Credit | 2.6 | 4.1 | 6.9 | 6.6 |
| Government Bond Pool | 3.4 | | | |
| Corporate Bond Pool | 2.1 | | | |
| Short Term Investment Pool | 2.4 | 1.7 | 2.5 | 4.3 |
| 30 Day Treasury Bill | 2.5 | 1.5 | 2.2 | 3.5 |

* Calculations used a time-weighted rate of return based on the market rate of return in accordance with the CFA Institute's Performance Presentation Standards.

INVESTMENT SECTION

Largest Assets Held

Largest Stock Holdings (By Market Value)*

September 30, 2005

| <u>Rank</u> | <u>Shares</u> | <u>Stocks</u> | <u>Market Value</u> |
|-------------|---------------|------------------------------|---------------------|
| 1 | 2,718,874 | Exxon Mobil Corporation | \$ 172,757,242 |
| 2 | 4,424,832 | General Electric Corporation | 148,984,105 |
| 3 | 3,043,888 | Citigroup Incorporated | 138,557,760 |
| 4 | 4,595,816 | Microsoft Corporation | 118,250,354 |
| 5 | 4,039,914 | Pfizer Incorporated | 100,876,642 |
| 6 | 1,879,664 | Bank of America Corporation | 79,133,863 |
| 7 | 1,213,472 | Johnson and Johnson | 76,788,524 |
| 8 | 1,193,803 | American International Group | 73,968,050 |
| 9 | 2,550,601 | Intel Corporation | 62,872,310 |
| 10 | 840,584 | Altria Group Incorporated | 61,959,455 |

Largest Bond Holdings (By Market Value)*

September 30, 2005

| <u>Rank</u> | <u>Par Amount</u> | <u>Description</u> | <u>Market Value</u> |
|-------------|-------------------|--|---------------------|
| 1 | \$ 44,564,890 | U.S. Treasury Strip 0% Coupon Due 11-15-2011 | \$ 42,577,296 |
| 2 | 38,060,800 | Bank Nova Scotia FRN Due 10-12-2007 | 38,056,362 |
| 3 | 38,015,350 | US Bank NA 4.07688% FRN Due 4-5-2007 | 38,013,320 |
| 4 | 29,497,120 | Wells Fargo & Company 3.75% FRN Due 8-4-2006 | 29,491,430 |
| 5 | 28,545,600 | Household Finance Corporation 3.75% FRN Due 10-22-2007 | 28,540,496 |
| 6 | 28,545,600 | Bayerische Landesbank NY 3.91063% FRN Due 3-17-2006 | 28,535,438 |
| 7 | 28,469,850 | Canadian Imperial Bank 4.12688% FRN Due 1-5-2007 | 28,468,327 |
| 8 | 28,469,850 | Wells Fargo & Company 4.06% FRN Due 9-28-2007 | 28,464,666 |
| 9 | 24,739,520 | Citigroup Global Markets 3.75% FRN Due 1-30-2007 | 24,734,641 |
| 10 | 23,788,000 | JPMorgan Chase & Co 3.76913% FRN Due 7-28-2006 | 23,783,618 |

* A complete list of stock and bond holdings is available from the Michigan Department of Treasury.

* The System's Investments are commingled in various pooled accounts. Shares, par and market value represent the System's pro-rata ownership through its ownership of the pools.

INVESTMENT SECTION

Schedule of Investment Fees

The State Treasurer is the investment fiduciary and custodian of the System's funds pursuant to State law. Outside advisors are utilized to augment the State Treasurer's internal staff. Only 21.5% of the total investment portfolio is managed by fully discretionary outside advisors. The Michigan Department of Treasury's cost of operations applicable to the retirement system for the fiscal year end amounted to \$1,950 thousand or two and five tenths basis points (.025%) of the market value of the portfolio.

State law created an Investment Advisory Committee (Committee) comprised of the directors of the Department of Labor and Economic Growth and the Department of Management and Budget, or their duly authorized representatives, and three public members appointed by the Governor with the advice and consent of the Senate. The public members serve without pay, but may be paid actual and necessary travel and other expenses. The Committee meets quarterly to review investments, goals and objectives and may submit recommendations to the State Treasurer. The Committee may also, by a majority vote, direct the State Treasurer to dispose of any holding, which in the Committee's judgment is not suitable for the fund involved, and may by unanimous vote direct the State Treasurer to make specific investments.

Schedule of Investment Fees

Investment Managers' Fees:

| | <u>Assets under Management</u> | <u>Fees</u> | <u>Basis Points*</u> |
|----------------------|------------------------------------|--------------|--------------------------|
| State Treasurer | \$ 7,891,897,977 | \$ 1,949,445 | 2.5 |
| Outside Advisors for | | | |
| Mid Cap Equity | 88,006,100 | 0 | 0.0 |
| Small Cap Equity | 82,453,445 | 638,496 | 77.4 |
| International Equity | 145,981,405 | 23,145 | 1.6 |
| Alternative | 1,107,190,591 | 10,568,942 | 95.5 |
| Real Estate | 743,339,847 | 164,425 | 2.2 |
| Total | <u>\$ 10,058,869,365</u> | | |

Other Investment Services Fees:

| | | |
|--------------------|------------------|------------|
| Assets in Custody | \$ 9,688,295,116 | \$ 458,964 |
| Securities on Loan | 573,103,281 | 264,643 |

* Outside Advisors Fees are netted against the income for Small Cap, Mid Cap, and International Equity. For Alternative partnership agreements that define the management fees, the asset management fees range from 150 to 250 basis points of the committed capital. For Real Estate, the asset management fees range from 50 to 125 basis points. Alternative and Real Estate fees, in most cases, are netted against income.

INVESTMENT SECTION

Schedule of Investment Commissions

| | Fiscal Year Ended September 30, 2005 | | | | | | |
|---|--------------------------------------|---------------|------------------------|-------------|----------------|--------------|------------|
| | Actual | Actual | Average | Estimated | Estimated | Estimated | Estimated |
| | Commissions | Number of | Commission | Trade Costs | Research Costs | Trade | Research |
| | Paid ⁽¹⁾ | Shares Traded | Rate Per Share | Per Share | Per Share | Costs | Costs |
| Investment Brokerage Firms: | | | | | | | |
| Banc/America Secur. LLC Montgomery Div | \$ 38,560 | 798,220 | \$ 0.05 | \$ 0.03 | \$ 0.02 | \$ 23,947 | \$ 14,614 |
| Bear Stearns & Co Inc | 129,651 | 2,928,102 | 0.04 | 0.03 | 0.01 | 87,843 | 41,808 |
| Bridge Trading | 105,131 | 2,314,414 | 0.05 | 0.03 | 0.02 | 69,432 | 35,699 |
| BNY Brokerage Inc | 296 | 5,918 | 0.05 | 0.03 | 0.02 | 178 | 118 |
| B-Trade Services LLC | 615 | 30,774 | 0.02 | 0.02 | 0.00 | 615 | 0 |
| Buckingham Research Group | 18 | 370 | 0.05 | 0.03 | 0.02 | 11 | 7 |
| Cantor Fitzgerald & Co. | 25,966 | 857,627 | 0.03 | 0.02 | 0.01 | 17,153 | 8,813 |
| Cap Institutional Services Inc. Equities | 547 | 10,933 | 0.05 | 0.03 | 0.02 | 328 | 219 |
| Charles Schwab Co. Inc. | 6,445 | 128,895 | 0.05 | 0.03 | 0.02 | 3,867 | 2,578 |
| Citigroup Global Markets Inc. | 212,449 | 5,255,910 | 0.04 | 0.03 | 0.01 | 157,677 | 54,771 |
| Credit Suisse First Boston Corporation | 149,795 | 3,316,749 | 0.05 | 0.03 | 0.02 | 99,502 | 50,293 |
| Deutsche Bank Securities Inc | 30,085 | 642,394 | 0.05 | 0.03 | 0.02 | 19,272 | 10,813 |
| Freidman Billings Ramsey | 97 | 2,430 | 0.04 | 0.03 | 0.01 | 73 | 24 |
| Fulcrum Global Partners | 1,002 | 20,048 | 0.05 | 0.03 | 0.02 | 601 | 401 |
| Goldman Sachs | 195,205 | 4,643,504 | 0.04 | 0.03 | 0.01 | 139,305 | 55,900 |
| Griswold Company | 60,968 | 3,736,564 | 0.02 | 0.02 | 0.00 | 60,968 | 0 |
| Howard Weil Division Legg Mason | 4,865 | 121,617 | 0.04 | 0.03 | 0.01 | 3,649 | 1,216 |
| Investment Technology Group Inc. | 164 | 8,186 | 0.02 | 0.02 | 0.00 | 164 | 0 |
| Instinet | 1,202 | 40,070 | 0.03 | 0.03 | 0.00 | 1,202 | 0 |
| ISI Group, Inc. | 42,693 | 886,625 | 0.05 | 0.03 | 0.02 | 26,599 | 16,094 |
| J P Morgan Securities Inc. | 78,280 | 1,757,560 | 0.04 | 0.03 | 0.01 | 52,727 | 25,553 |
| Jones & Associates | 308 | 6,162 | 0.05 | 0.03 | 0.02 | 185 | 123 |
| Leerink Swann & Co. | 764 | 16,098 | 0.05 | 0.03 | 0.02 | 483 | 281 |
| Legg Mason Wood Walker | 5,657 | 113,149 | 0.05 | 0.03 | 0.02 | 3,394 | 2,263 |
| Lehman Brothers Inc. | 211,882 | 5,493,604 | 0.04 | 0.03 | 0.01 | 164,808 | 47,074 |
| Liquidnet, Inc. | 787 | 39,365 | 0.02 | 0.02 | 0.00 | 787 | 0 |
| Merrill Lynch, Pierce, Fenner & Smith, Inc. | 214,048 | 5,008,161 | 0.04 | 0.03 | 0.01 | 150,245 | 63,804 |
| Morgan Stanley Co Inc. | 107,743 | 2,258,341 | 0.05 | 0.03 | 0.02 | 67,750 | 39,993 |
| OTA Research | 47,968 | 991,982 | 0.05 | 0.03 | 0.02 | 29,759 | 18,209 |
| Pershing LLC | 1,697 | 56,576 | 0.03 | 0.03 | 0.00 | 1,697 | 0 |
| Pipeline Trading Systems LLC | 100 | 5,000 | 0.02 | 0.02 | 0.00 | 100 | 0 |
| Prudential Equity Group | 95,210 | 2,108,149 | 0.05 | 0.03 | 0.02 | 63,244 | 31,966 |
| Raymond James and Associates, Inc. | 119 | 2,371 | 0.05 | 0.03 | 0.02 | 71 | 47 |
| RBC Capital Markets | 933 | 18,655 | 0.05 | 0.03 | 0.02 | 560 | 373 |
| SG Americas Securities LLC | 88 | 1,761 | 0.05 | 0.03 | 0.02 | 53 | 35 |
| S.G. Cowen & Co., LLC | 72,697 | 1,496,967 | 0.05 | 0.03 | 0.02 | 44,909 | 27,788 |
| Sanders Morris Mundy | 1,310 | 26,197 | 0.05 | 0.03 | 0.02 | 786 | 524 |
| Sanford Bernstein Co., LLC | 57,478 | 1,241,817 | 0.05 | 0.03 | 0.02 | 37,255 | 20,223 |
| State Street Brokerage Services | 267 | 5,334 | 0.05 | 0.03 | 0.02 | 160 | 107 |
| Suntrust Capital Markets Inc. | 172 | 3,447 | 0.05 | 0.03 | 0.02 | 103 | 69 |
| Thomas Weisel Partners | 2,388 | 48,122 | 0.05 | 0.03 | 0.02 | 1,444 | 944 |
| US Bancorp Piper Jaffray Inc. | 736 | 14,718 | 0.05 | 0.03 | 0.02 | 442 | 294 |
| UBS Securities LLC | 122,297 | 2,804,435 | 0.04 | 0.03 | 0.01 | 84,133 | 38,164 |
| US Clearing Corporation | 162 | 3,239 | 0.05 | 0.03 | 0.02 | 97 | 65 |
| Wayne Company | 3,026 | 68,121 | 0.04 | 0.03 | 0.01 | 2,044 | 982 |
| Weeden & Co. | 2,589 | 51,991 | 0.05 | 0.03 | 0.02 | 1,560 | 1,029 |
| Total | \$ 2,034,460 | 49,390,672 | \$ 0.04 ⁽²⁾ | \$ 0.03 | \$ 0.01 | \$ 1,421,182 | \$ 613,278 |

⁽¹⁾ Commissions are included in purchase and sale prices of investments. The commissions and shares represent the pro-rata shares of commission and share transactions based on ownership in the investment pools.

⁽²⁾ The average commission rate per share for all brokerage firms.

INVESTMENT SECTION

Investment Summary

Fiscal Year Ended September 30, 2005

| | <u>Market Value (a)</u> | <u>Percent of Total Market Value</u> | <u>Investment & Interest Income (b)</u> | <u>Percent of Investment & Interest Income</u> |
|------------------------------|---------------------------------|--|---|--|
| Fixed Income: | | | | |
| Government Bond Pool | \$ 806,950,266 | 8.0% | \$ 25,741,364 | 2.2% |
| Corporate Bond Pool | 805,164,734 | 8.0% | 16,861,446 | 1.4% |
| Total Fixed Income Pools | <u>1,612,115,000</u> | <u>16.0%</u> | <u>42,602,810</u> | <u>3.6%</u> |
| Equity Pools | 4,918,519,900 | 48.9% | 531,331,780 | 44.9% |
| Real Estate Pool | 856,145,584 | 8.5% | 108,317,544 | 9.1% |
| Alternative Investment Pools | 1,119,252,745 | 11.1% | 235,171,525 | 19.9% |
| International Equities Pools | 1,182,264,943 | 11.8% | 258,219,137 | 21.8% |
| Short Term Investments Pools | <u>370,571,193</u> | <u>3.7%</u> | <u>8,282,717</u> | <u>0.7%</u> |
| Total | <u><u>\$ 10,058,869,365</u></u> | <u><u>100.0%</u></u> | <u><u>\$ 1,183,925,513</u></u> | <u><u>100.0%</u></u> |

(a) Market value excludes \$566,872,723 in cash collateral for security lending for fiscal year 2005.

(b) Total Investment & Interest Income excludes net security lending income of \$794,176.

INVESTMENT SECTION

Investment Summary (Continued)

Fiscal Year Ended September 30, 2004

| | <u>Market Value (a)</u> | <u>Percent of Total Market Value</u> | <u>Investment & Interest Income (b,c)</u> | <u>Percent of Investment & Interest Income</u> |
|------------------------------|-------------------------|--|---|--|
| Fixed Income: | | | | |
| Government Bond Pool | \$ 793,715,902 | 8.5% | \$ 23,682,529 | 2.2% |
| Corporate Bond Pool | 800,882,057 | 8.6% | 30,433,494 | 2.8% |
| Total Fixed Income Pools | <u>1,594,597,959</u> | <u>17.1%</u> | <u>54,116,023</u> | <u>5.0%</u> |
| Equity Pools | 4,567,227,550 | 48.9% | 532,884,321 | 48.8% |
| Real Estate Pool | 723,689,176 | 7.8% | 61,703,126 | 5.7% |
| Alternative Investment Pools | 1,199,581,466 | 12.9% | 255,742,373 | 23.4% |
| International Equities Pools | 1,020,557,590 | 10.9% | 181,527,874 | 16.6% |
| Short Term Investments Pools | <u>222,979,552</u> | <u>2.4%</u> | <u>5,762,207</u> | <u>0.5%</u> |
| Total | <u>\$ 9,328,633,293</u> | <u>100.0%</u> | <u>\$1,091,735,924</u> | <u>100.0%</u> |

- (a) Market value excludes \$37,349,491 and \$558,059,391 in equity in common cash and cash collateral for security lending for fiscal year 2004.
- (b) Total Investment & Interest Income excludes net security lending income of \$668,512.
- (c) Effective July 1, 2004, the System's investments were contributed to the various investment pools listed above. The income on investments for the first nine months of the fiscal year is reported as income for the pool to which the security was contributed.

ACTUARIAL SECTION

Actuary's Certification
Summary of Actuarial Assumptions and Methods
Schedule of Active Member Valuation Data
Schedule of Changes in the Retirement Rolls
Prioritized Solvency Test
Analysis of Financial Experience
Summary of Plan Provisions

ACTUARIAL SECTION

Actuary's Certification



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Michael J. Karlin, F.S.A., M.A.A.A.
Senior Vice President & Actuary
mkarlin@segalco.com

November 22, 2005

Ms. Lisa Webb Sharpe
Director
Department of Management and Budget
and
Retirement Board
Michigan State Employees Retirement System
P.O. Box 30176
Lansing, Michigan 48909

Ladies and Gentlemen:

The Michigan State Employees Retirement System (MSERS) is funded on an actuarial reserve basis. The basic financial objective of MSERS is to establish and receive contributions that remain approximately level as a percentage of active member payroll over a long period of years.

Actuarial valuations are prepared annually to determine MSERS's actuarial liabilities and the employer contributions required to fund the System in accordance with the actuarial reserve funding provisions of the governing State Statute. The most recent actuarial valuation as of September 30, 2004 included a total of 87,765 members of MSERS. The actuarial value of MSERS's assets amounted to approximately \$10.15 billion on September 30, 2004.

The assumptions used in the 2004 valuation produce valuation results which we consider to be reasonably indicative of the plan's underlying cost. Also, in our opinion, the actuarial assumptions and methods used for funding purposes meet the parameters for the disclosures presented in the financial section by GASB Statement No. 25.

Our actuarial valuation of MSERS as of September 30, 2004 was performed by qualified actuaries in accordance with accepted actuarial procedures. In our opinion, the calculated contribution rate meets the fundamental objectives of State law. Based on the 2004 valuation results, it is also our opinion that the Michigan State Employees Retirement System continues in sound condition, in accordance with actuarial principles of level cost financing.

Most of the information used in the supporting schedules in the Actuarial and Statistical Sections, as well as the Schedules of Funding Progress and the employer contributions shown in the Schedules of Employer Contributions in the Financial Section of this report were provided by our firm.

Sincerely,

Michael Karlin, F.S.A., M.A.A.A.
Senior Vice President & Actuary

Benefits, Compensation and HR Consulting ATLANTA BOSTON CHICAGO CLEVELAND DENVER HARTFORD HOUSTON LOS ANGELES MINNEAPOLIS
NEW ORLEANS NEW YORK PHILADELPHIA PHOENIX SAN FRANCISCO SEATTLE TORONTO WASHINGTON, DC



Multinational Group of Actuaries and Consultants AMSTERDAM BARCELONA GENEVA HAMBURG LONDON MELBOURNE MEXICO CITY OSLO PARIS

Summary of Actuarial Assumptions and Methods

1. The investment return rate used in making the valuations was 8% per year, compounded annually. This rate of return is not the assumed real rate of return. The real rate of return is the rate of investment return in excess of the inflation rate. Considering other financial assumptions, this investment return rate translates to an assumed long-term real rate of return of 4.5%. Adopted 2004.
2. The mortality table used in evaluating allowances to be paid was the 1994 Group Annuity Mortality Table, set forward one year for both men and women. Adopted 1998.
3. Sample probabilities of retirement with an age and service allowance are shown in Schedule 1 on the next page. Adopted 2004.
4. Sample probabilities of withdrawal from service and disability, together with individual pay increase assumptions, are shown in Schedule 2 on the next page of this report. Adopted 2004.
5. Total active member payroll is assumed to increase 3.5% per year. This represents the portion of the individual pay increase assumptions attributable to inflation. Adopted 2004.
6. An individual entry age actuarial cost method of valuation was used in determining age and service allowance actuarial liabilities and normal cost. Adopted 1975. Unfunded actuarial accrued liabilities are financed over a period of 50 years and over a declining 40-year period for years beginning October 1, 1996. Adopted 1996.
7. The Department of Management and Budget approved the use of market value of assets as of September 30, 1997, for valuation purposes. For investment gains and losses that occur after that date, a 5-year smoothing technique will be used. Specifically, the excess (shortfall) of actual investment income (including interest, dividends, realized and unrealized gains or losses) over the imputed income at the valuation interest rate is considered the gain (loss), which is spread over five years. Adopted 1997.
8. The data including people now covered and about present assets was furnished by the System's administrative staff. Although examined for general reasonableness, the data was not audited by the actuary.
9. The actuarial valuation computations were made by or under the supervision of a Member of the American Academy of Actuaries (MAAA). The assumptions used in the actuarial valuations were adopted by the System's Board after consulting with the actuary.

ACTUARIAL SECTION

Summary of Actuarial Assumptions and Methods (Continued)

SCHEDULE 1

Percent of Eligible Active Members Retiring Each Year

| <u>Retirement Ages</u> | <u>Correction Officers</u> | <u>Conservation Officers</u> | <u>Other Members</u> |
|----------------------------|----------------------------|------------------------------|----------------------|
| 45 | | 16 % | |
| 48 | | 16 | |
| 51 | 25 % | 16 | |
| 55 | 15 | 16 | 18 % |
| 58 | 12 | 15 | 12 |
| 61 | 15 | 15 | 14 |
| 64 | 22 | 22 | 20 |
| 67 | 25 | 25 | 25 |
| 70 | 50 | 50 | 50 |
| 75 | 100 | 100 | 100 |

SCHEDULE 2

Separation From Active Employment Before Age & Service Retirement & Individual Pay Increase Assumptions

| <u>Sample Ages</u> | <u>Years of Service</u> | <u>Percent of Active Members Withdrawing Within Next Year (Men and Women)</u> | <u>Percent of Active Members Becoming Disabled w/in Next Year</u> | | <u>Percent Increase In Pay During Next Year</u> |
|------------------------|-----------------------------|---|---|------------------------------|---|
| | | | <u>Non-Duty Disabilities</u> | <u>Duty Disabilities</u> | |
| All | 0 | 12.00 % | | | |
| | 1 | 8.50 | | | |
| | 2 | 6.50 | | | |
| | 3 | 5.00 | | | |
| | 4 | 4.00 | | | |
| 25 | 5 & Over | 3.50 | 0.03 % | 0.05 % | 10.74 % |
| 35 | | 2.50 | 0.10 | 0.05 | 4.95 |
| 45 | | 2.00 | 0.34 | 0.05 | 4.12 |
| 55 | | 1.75 | 0.62 | 0.05 | 3.91 |
| 60 | | 1.75 | 0.82 | 0.05 | 3.50 |

ACTUARIAL SECTION

Actuarial Valuation Data

Schedule of Active Member Valuation Data

| <u>Valuation Date Sept. 30</u> | <u>Number</u> | <u>Reported Annual Payroll*</u> | <u>Average Annual Pay</u> | <u>% Increase</u> | <u>Average Age</u> | <u>Average Service</u> |
|--|---------------|---|-----------------------------------|-----------------------|------------------------|----------------------------|
| 1995 | 65,133 | \$ 2,348,534 | \$ 36,058 | 3.1% | 43.2 | 12.7 |
| 1996 | 63,807 | 2,515,420 | 39,422 | 9.3 | 43.8 | 13.0 |
| 1997 | 55,434 | 2,273,203 | 41,007 | 4.0 | 43.7 | 13.1 |
| 1998 | 49,717 | 2,107,996 | 42,400 | 3.4 | 44.8 | 14.8 |
| 1999 | 49,612 | 2,213,851 | 44,623 | 5.2 | 45.9 | 15.8 |
| 2000 | 47,778 | 2,253,818 | 47,173 | 5.7 | 46.7 | 16.7 |
| 2001 | 45,852 | 2,230,562 | 48,647 | 3.1 | 47.4 | 17.7 |
| 2002 | 43,064 | 2,133,477 | 49,542 | 1.8 | 48.0 | 18.6 |
| 2003 | 36,536 | 1,859,555 | 50,897 | 2.7 | 47.7 | 17.9 |
| 2004 | 34,749 | 1,889,410 | 54,373 | 6.8 | 48.4 | 19.0 |

* In thousands of dollars. Base pay only excluding 3 1/2% for overtime and shift differentials through 1995. Greater of base pay or prior year actual earnings beginning in 1996.

Schedule of Changes in the Retirement Rolls

| <u>Year Ended Sept. 30</u> | <u>Added to Rolls</u> | | <u>Removed from Rolls</u> | | <u>Rolls-End of Year</u> | | <u>% Increase in Annual Allowances</u> | <u>Average Annual Allowances</u> |
|------------------------------------|-----------------------|-------------------------------|---------------------------|-------------------------------|--------------------------|-------------------------------|--|--|
| | <u>No.</u> | <u>Annual Allowances*</u> | <u>No.</u> | <u>Annual Allowances*</u> | <u>No.</u> | <u>Annual Allowances*</u> | | |
| 1995 | 1,566 | \$ 23,575 | 966 | \$ 6,268 | 30,562 | \$ 290,694 | 6.3 % | \$ 9,512 |
| 1996 | 1,595 | 24,527 | 1064 | 7,288 | 31,093 | 307,933 | 5.9 | 9,904 |
| 1997 | 6,098 | 121,005 | 1,068 | 7,878 | 36,123 | 421,060 | 36.7 | 11,656 |
| 1998 | 1,279 | 21,085 | 1,217 | 9,689 | 36,185 | 432,456 | 2.7 | 11,951 |
| 1999 | 1,409 | 21,227 | 1,248 | 9,516 | 36,346 | 444,167 | 2.7 | 12,221 |
| 2000 | 1,540 | 22,421 | 1,181 | 2,619 | 36,705 | 463,969 | 4.5 | 12,640 |
| 2001 | 1,648 | 22,501 | 1,242 | 15,063 | 37,111 | 471,407 | 1.6 | 12,703 |
| 2002 | 3,806 | 80,871 | 1,251 | 5,310 | 39,666 | 546,968 | 16.0 | 13,789 |
| 2003 ** | 6,448 | 163,673 | 623 | 2,034 | 45,491 | 708,607 | 29.6 | 15,577 |
| 2004 | 1,561 | 23,195 | 1,433 | 2,715 | 45,619 | 729,087 | 2.9 | 15,982 |

*In thousands of dollars

**Revised actuarial data

ACTUARIAL SECTION

Prioritized Solvency Test

The System's funding objective is to meet long term benefit promises through contributions that remain approximately level from year to year as a percent of member payroll. If the contributions to the System are level in concept and soundly executed, the System will pay all promised 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 another means of checking a system's progress under its funding program. In a short condition test, the plan's present assets (cash and investments) are compared with: (1) active member contributions on deposit; (2) the liabilities for future benefits to present retired lives; and (3) the liabilities for service already rendered by active and inactive members. In a system following the discipline of level percent of payroll financing, the liabilities for active member contributions on deposit (liability 1) and the liabilities for future benefits to present retired lives (liability 2) will be fully covered by present assets (except in rare circumstances). In addition, the liabilities for service already rendered by active members (liability 3) are normally partially covered by the remainder of 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 is not necessarily a by-product of level percent of payroll funding methods.

The schedule below illustrates the history of the liabilities of the System and is indicative of the System's policy of following the discipline of level percent of payroll financing.

| Valuation Date | Actuarial Present Value of Actuarial Accrued Liability (\$ in millions) | | | Valuation Assets (\$ in millions) | Portion of Present Value Covered by Assets | | | | |
|---------------------|---|-----------------------------|---|-----------------------------------|--|-------|--------|------------------|--|
| | (1) | (2) | (3) | | (1) | (2) | (3) | (4) ³ | |
| | Active Member Contributions | Retirants and Beneficiaries | Active and Inactive Members (Employer Financed Portion) | | | | | | |
| Sept. 30 | | | | | | | | | |
| 1995 | \$ 72 | \$ 2751 | \$ 4038 | \$ 6,090 | 100 % | 100 % | 80.9 % | 88.8 % | |
| 1996 | 55 | 2844 | 4248 | 6,678 | 100 | 100 | 89.0 | 93.4 | |
| 1997 ^{1,2} | 3 | 4300 | 3798 | 8,834 | 100 | 100 | 119.3 | 109.0 | |
| 1998 | 27 | 4360 | 3987 | 9,109 | 100 | 100 | 118.4 | 108.8 | |
| 1998 ² | 27 | 4484 | 3986 | 9,109 | 100 | 100 | 115.4 | 107.2 | |
| 1999 | 35 | 4538 | 4456 | 9,648 | 100 | 100 | 113.9 | 106.9 | |
| 2000 | 29 | 4659 | 4786 | 10,337 | 100 | 100 | 118.0 | 109.1 | |
| 2001 | 34 | 4677 | 5167 | 10,633 | 100 | 100 | 114.6 | 107.6 | |
| 2002 | 123 | 5512 | 5118 | 10,616 | 100 | 100 | 97.3 | 98.7 | |
| 2003 | 57 | 7386 | 4318 | 10,441 | 100 | 100 | 69.4 | 88.8 | |
| 2004 ² | 78 | 7503 | 4423 | 10,149 | 100 | 100 | 58.1 | 84.5 | |

¹ Revised asset valuation method.

² Revised actuarial assumptions.

³ Percents funded on a total valuation asset and total actuarial accrued liability basis.

ACTUARIAL SECTION

Analysis of Financial Experience

Gains/(Losses) in Accrued Liabilities During Year Ended September 30, 2004 Resulting from Differences Between Assumed Experience & Actual Experience

| <u>Type of Activity</u> | <u>Gain/(Loss)</u> |
|---|-------------------------------|
| 1. Retirements (including Disability Retirement). If members retire at older ages or with lower final average pay than assumed, there is a gain. If younger ages or higher average pays, a loss. | (\$29,808,097) |
| 2. Withdrawal From Employment (including death-in-service). If more liabilities are released by withdrawals and deaths than assumed, there is a gain. If smaller releases, a loss. | 29,535,426 |
| 3. Pay Increases. If there are smaller pay increases than assumed, there is a gain. If greater increases, a loss. | (3,581,948) |
| 4. Investment Income. If there is greater investment income than assumed, there is a gain. If less income, a loss. | (538,727,530) |
| 5. Death After Retirement. If retirants live longer than assumed, there is a loss. If not as long, a gain. | (26,833,066) |
| 6. New entrants. | (10,662,143) |
| 7. Other. Miscellaneous gains and losses resulting from data adjustments, timing of financial transactions, etc. | <u>19,923,023</u> |
| 8. Composite Gain (or Loss) During Year | <u><u>(\$560,154,335)</u></u> |

ACTUARIAL SECTION

Summary of Plan Provisions

Our actuarial valuation of the System as of September 30, 2004, is based on the present provisions of the Michigan State Employees' Retirement Act, which are summarized in this section.

Regular Retirement (no reduction factor for age)

Eligibility — Age 55 with 30 years service, or age 60 with 10 or more years of service. Corrections Officers may retire at age 51 with 25 or more years of service, or age 56 with 10 or more years of service. Conservation Officers may retire after 25 years of service regardless of age.

Annual Amount — Total service times 1.5% of FAC. For members with 20 or more years of service, a \$3,000 minimum annual benefit is payable. Corrections Officers receive an additional temporary supplement to age 62 equal to the product of supplemental service times 0.5% of FAC. Conservation Officers retiring after 25 years receive a benefit equal to 60% of FAC.

Final Average Compensation — Regular retirement benefit is based on final average compensation (FAC), which is the average of highest 3 consecutive years (2 years for Conservation Officers).

Early Retirement (age reduction factor used)

Eligibility — Age 55 with 15 or more years of service.

Annual Amount — Computed as regular retirement benefit but reduced by 0.5% for each month under age 60.

Deferred Retirement (vested benefit)

Eligibility — 10 years of service (5 years for unclassified persons in the executive or legislative branch). Benefit commences at age 60.

Annual Amount — Computed as regular retirement benefit based on service and FAC at termination.

Duty Disability Retirement

Eligibility — No age or service requirement.

Annual Amount — Disability after age 60: Computed as regular retirement benefit with minimum benefit based on 10 years service. Disability prior to age 60: To age 60, benefit is two-thirds of FAC but limited to \$6,000 per year. Additional limitation, such that benefit plus workers' compensation does not exceed final compensation. After age 60, benefit is recomputed as a regular retirement benefit with service granted for period in receipt of disability benefit before age 60 (benefit not reduced after age 60).

Non-Duty Disability Retirement

Eligibility — 10 years of service.

Annual Amount — Computed as regular retirement benefit based on service and FAC at time of disability. Minimum annual benefit is \$600.

Summary of Plan Provisions (Continued)

Duty Death Before Retirement

Eligibility — No age or service requirement. Also applies to duty disability retirants who die within 3 years of disability and before age 60.

Annual Amount — Accumulated employee contributions are refunded. Surviving spouse receives annual benefit of one-third of final compensation until death. Unmarried children under age 18 each receive an equal share of one-fourth of final compensation (if no spouse each child receives one-fourth, to a maximum of one-half for all children). If no spouse or eligible children, each dependent parent receives one-sixth of final compensation. Total benefits payable are limited to \$2,400 per year. Additional limitation such that benefits plus workers' compensation does not exceed final compensation.

Non-Duty Death Before Retirement

Eligibility — 10 years of service. In the case of a deceased vested former member, the survivor benefit commences when the deceased former member would have attained age 60.

Annual Amount — Computed as regular retirement benefit but reduced in accordance with a 100% joint and survivor election.

Post-Retirement Cost-of-Living Adjustments

One-time upward adjustments have been made in 1972, 1974, 1976, 1977 and 1987. Beginning in 1983, some benefit recipients share in a distribution of a portion of investment income earned in excess of 8% annually (supplemental payment). Beginning in 1988, all benefit recipients are eligible for automatic 3% annual (non-compounded) benefit increases, with a maximum \$300 annual increase. Eligibility for the above benefits:

| | |
|-------------------------------------|--|
| Retired before October 1, 1987 | Greater of supplemental payment or the combination of the 1987 onetime adjustment and the automatic increases. |
| Retired on or after October 1, 1987 | Automatic increases only. |

Post-Retirement Health Insurance Coverage

Persons in receipt of retirement allowance (including members who did not retire directly from the System, but come from a vested deferred status), and their dependents, are eligible for 95% System paid health insurance coverage and 90% System paid dental and vision insurance.

Member Contributions

None.

Defined Contribution

New employees hired on or after March 31, 1997, become participants in Tier 2 (i.e., the defined contribution plan) rather than Tier 1 (i.e., the above described defined benefit plan).

Active members on March 30, 1997, had an opportunity to irrevocably elect to terminate membership in Tier 1 and become participants in Tier 2. Elections were in writing and submitted between January 2, 1998, and April 30, 1998. Such members became Tier 2 participants on June 1, 1998, and had the actuarial present value of their Tier 1 accrued benefit transferred into Tier 2 by September 30, 1998.

ACTUARIAL SECTION

Summary of Plan Provisions (Continued)

2002 Early Out Window

Members who retired between April 1, 2002, and November 1, 2002, and whose combined age and service equaled 80 points, or who were age 60 or older with 10 or more years of service were eligible to receive a benefit equal to 1.75% of their final average compensation multiplied by years of credited service. Members, who had previously transferred to the Defined Contribution plan, were eligible to receive a benefit equal to 0.25% of their final average compensation multiplied by years of credited service.

STATISTICAL SECTION

Schedule of Revenues by Source
Schedule of Expenses by Type
Schedule of Benefit Expenses by Type
Schedule of Retired Members by Type of Benefit
Schedule of Average Benefit Payments
Ten Year History of Membership

STATISTICAL SECTION

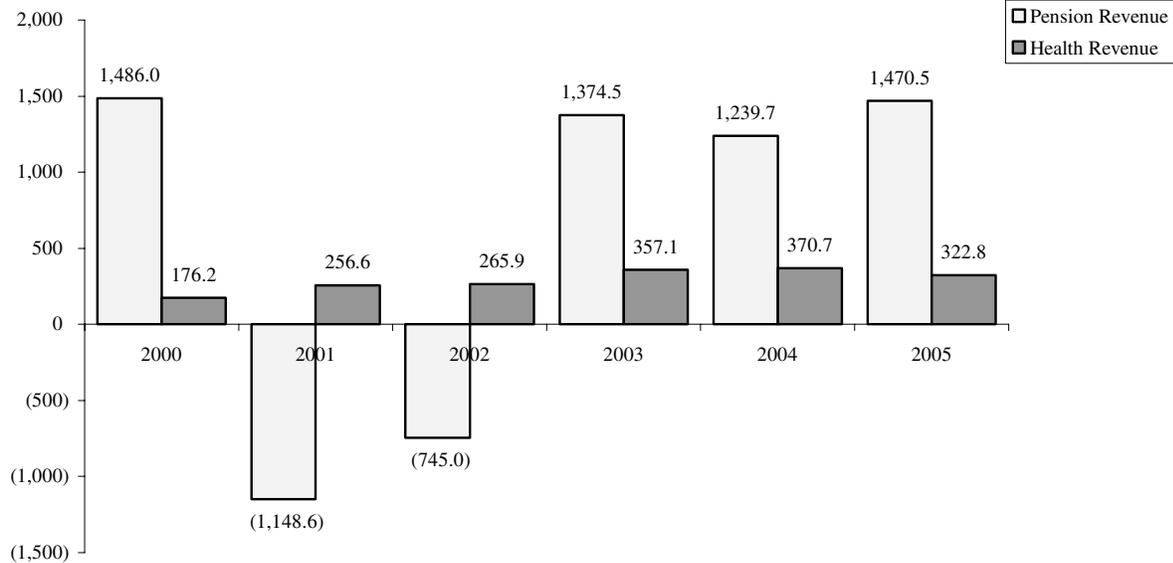
Schedule of Pension Plan Revenues by Source

| Fiscal Year Ended Sept. 30 | Member Contributions | Employer Contributions | | Net Investment & Other Income | Total |
|----------------------------------|-------------------------|------------------------|--------------------------------|----------------------------------|------------------|
| | | Dollars | % of Annual Covered Payroll | | |
| 2000 | \$ 4,606,662 | \$ 121,817,366 | 5.4 % | \$ 1,359,608,718 | \$ 1,486,032,746 |
| 2001 | 3,341,381 | 112,299,808 | 5.0 | (1,264,290,456) | (1,148,649,267) |
| 2002 | 173,232,835 | 87,486,128 | 4.1 | (1,005,732,436) | (745,013,473) |
| 2003 | 80,185,475 | 79,291,845 | 4.3 | 1,215,018,189 | 1,374,495,509 |
| 2004 | 37,682,883 | 103,873,294 | 5.5 | 1,098,149,414 | 1,239,705,591 |
| 2005 | 30,395,040 | 256,433,052 | N/A | 1,168,811,938 | 1,455,640,030 |

Schedule of Health Plan Revenues by Source

| Fiscal Year Ended Sept. 30 | Member Contributions | Employer Contributions | | Net Investment & Other Income | Total |
|----------------------------------|-------------------------|------------------------|--------------------------------|----------------------------------|----------------|
| | | Dollars | % of Annual Covered Payroll | | |
| 2000 | \$ 5,056,971 | \$ 166,833,573 | 7.4 % | \$ 4,339,752 | \$ 176,230,296 |
| 2001 | 5,793,284 | 249,214,002 | 11.2 | 1,586,567 | 256,593,853 |
| 2002 | 6,326,267 | 257,730,817 | 12.1 | 1,842,164 | 265,899,248 |
| 2003 | 11,144,737 | 320,838,540 | 17.2 | 25,157,754 | 357,141,031 |
| 2004 | 9,723,230 | 357,554,699 | 18.9 | 3,380,735 | 370,658,664 |
| 2005 | 10,701,614 | 324,305,023 | N/A | 2,712,374 | 337,719,011 |

Total Revenue
Year Ended September 30
(in millions)



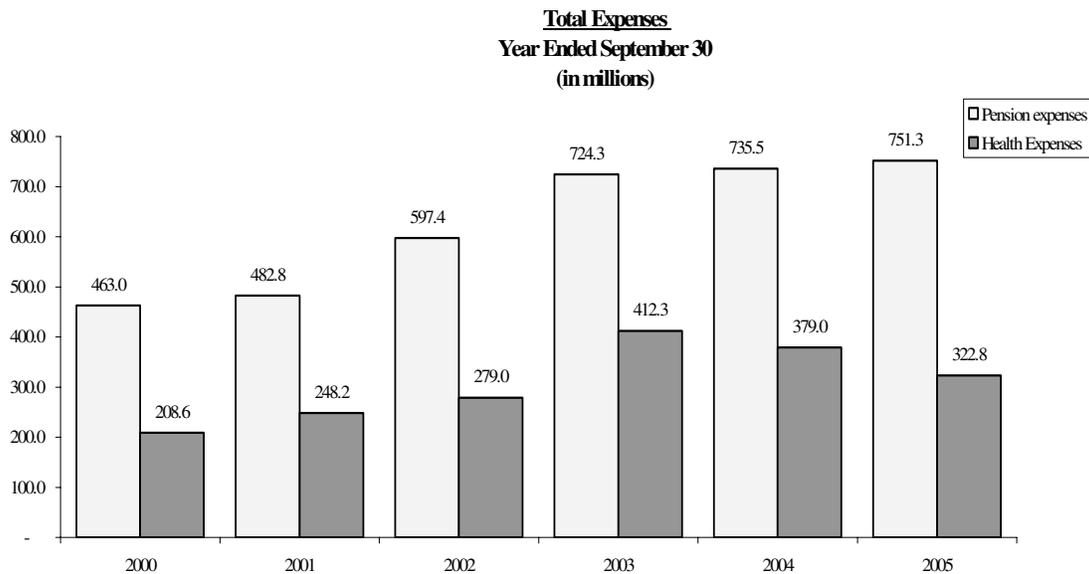
STATISTICAL SECTION

Schedule of Pension Plan Expenses by Type

| <u>Fiscal Year Ended Sept. 30</u> | <u>Benefit Payments</u> | <u>Refunds and Transfers</u> | <u>Administrative and Other Expenses</u> | <u>Total</u> |
|---|-----------------------------|----------------------------------|--|---------------|
| 2000 | \$ 458,803,774 | \$ 222,163 | \$ 3,954,992 | \$462,980,929 |
| 2001 | 478,525,328 | 91,699 | 4,149,284 | 482,766,311 |
| 2002 | 503,453,879 | 87,504,459 | 6,432,819 | 597,391,157 |
| 2003 | 701,664,432 | 17,484,652 | 5,192,039 | 724,341,123 |
| 2004 | 731,009,109 | 183,126 | 4,316,433 | 735,508,668 |
| 2005 | 746,673,263 | 306,643 | 4,297,985 | 751,277,891 |

Schedule of Health Plan Expenses by Type

| <u>Fiscal Year Ended Sept. 30</u> | <u>Benefit Payments</u> | <u>Refunds and Transfers</u> | <u>Administrative and Other Expenses</u> | <u>Total</u> |
|---|-----------------------------|----------------------------------|--|--------------|
| 2000 | \$ 208,627,602 | \$ 8 | | 208,627,610 |
| 2001 | 248,246,380 | | | 248,246,380 |
| 2002 | 278,998,333 | | | 278,998,333 |
| 2003 | 354,084,838 | 58,211,100 | | 412,295,938 |
| 2004 | 354,649,665 | 24,363,516 | | 379,013,181 |
| 2005 | 322,834,138 | | | 322,834,138 |

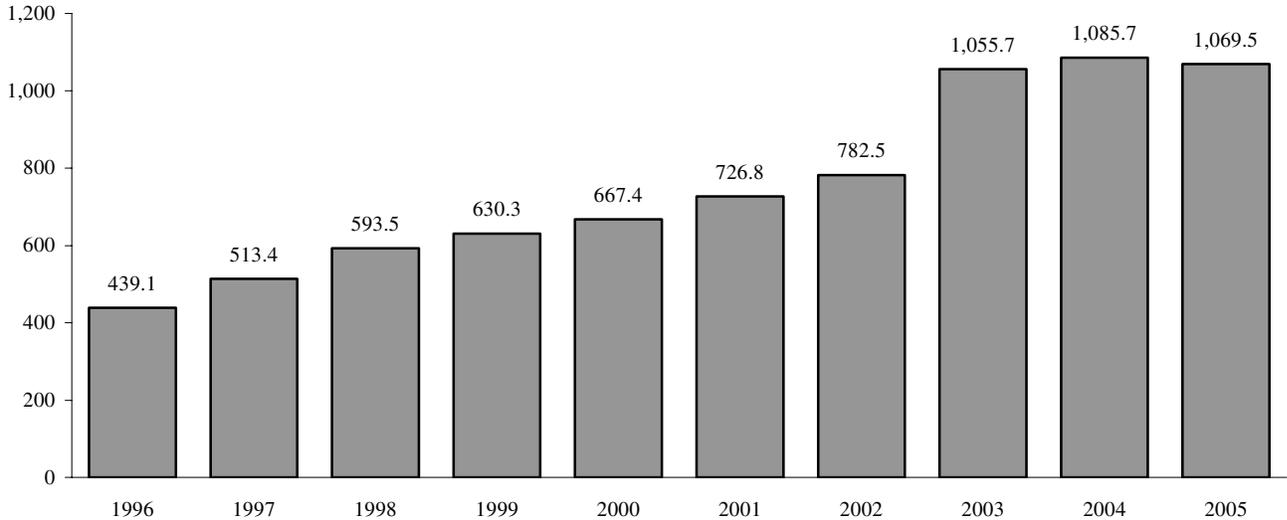


STATISTICAL SECTION

Schedule of Benefit Expenses by Type

| <u>Fiscal Year Ended Sept. 30</u> | <u>Regular Benefits</u> | <u>Disability Benefits</u> | <u>Supplemental Check</u> | <u>Health Benefits</u> | <u>Total</u> |
|---|-----------------------------|--------------------------------|-------------------------------|----------------------------|----------------|
| 1996 | \$ 284,061,320 | \$ 22,017,877 | \$ 15,234,884 | \$ 117,742,316 | \$ 439,056,397 |
| 1997 | 331,964,200 | 26,069,505 | 24,832,674 | 130,492,860 | 513,359,239 |
| 1998 | 401,855,102 | 28,024,773 | | 163,574,055 | 593,453,930 |
| 1999 | 417,313,133 | 28,227,807 | 678,314 | 184,127,475 | 630,346,729 |
| 2000 | 427,500,808 | 30,867,062 | 435,904 | 208,627,602 | 667,431,376 |
| 2001 | 444,244,814 | 33,902,047 | 378,467 | 248,246,380 | 726,771,708 |
| 2002 | 467,909,032 | 35,544,847 | | 278,998,333 | 782,452,212 |
| 2003 | 664,188,203 | 37,476,229 | | 354,084,838 | 1,055,749,270 |
| 2004 | 690,942,422 | 40,066,687 | | 354,649,665 | 1,085,658,774 |
| 2005 | 704,890,377 | 41,782,886 | | 322,834,138 | 1,069,507,401 |

Benefit Expenses
Year Ended September 30
(in millions)



STATISTICAL SECTION

Schedule of Retired Members by Type of Benefit

September 30, 2004

| Amount Monthly Benefit | Number of Retirees | Type of Retirement * | | | | | | | |
|------------------------------|-----------------------|----------------------|-------|-----|-------|----|-------|-------|-------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| \$ 1 - 200 | 793 | 317 | 338 | 13 | 90 | - | 14 | 1 | 20 |
| 201 - 400 | 3,637 | 2,139 | 845 | 18 | 473 | - | 87 | 8 | 67 |
| 401 - 600 | 5,713 | 3,216 | 725 | 431 | 847 | 19 | 253 | 9 | 213 |
| 601 - 800 | 5,033 | 3,056 | 526 | - | 852 | - | 252 | 19 | 328 |
| 801 - 1,000 | 4,260 | 2,583 | 344 | 1 | 636 | - | 233 | 47 | 416 |
| 1,001 - 1,200 | 3,956 | 2,484 | 230 | - | 489 | - | 179 | 69 | 505 |
| 1,201 - 1,400 | 3,934 | 2,687 | 215 | - | 263 | - | 138 | 68 | 563 |
| 1,401 - 1,600 | 3,323 | 2,526 | 143 | - | 120 | - | 79 | 53 | 402 |
| 1,601 - 1,800 | 2,990 | 2,447 | 95 | - | 85 | - | 48 | 94 | 221 |
| 1,801 - 2,000 | 2,699 | 2,351 | 71 | - | 27 | - | 33 | 120 | 97 |
| Over 2,000 | 9,281 | 8,389 | 127 | 1 | 20 | - | 60 | 574 | 110 |
| Totals | 45,619 | 32,195 | 3,659 | 464 | 3,902 | 19 | 1,376 | 1,062 | 2,942 |

* Type of Retirement

- 1 - Normal retirement for age & service
- 2 - Survivor payment - normal or early retirement
- 3 - Duty disability retirement (incl. survivors)
- 4 - Non-duty disability retirement (incl. survivors)
- 5 - Survivor payment - duty death in service
- 6 - Survivor payment - non-duty death in service
- 7 - Retirees with supplemental benefits for early retirement incentive factors
- 8 - Retirees with reduced benefits for early retirement reduction factors

Source: The Segal Company

STATISTICAL SECTION

Schedule of Retired Members by Type of Benefit (Continued)

September 30, 2004

| Amount Monthly Benefit | Number of Retirees | Selected Option ** | | | | | | |
|------------------------------|-----------------------|--------------------|--------|-------|--------|--------|---------|---------|
| | | Reg. | Opt. A | Opt B | Opt. C | Opt. E | Opts E1 | Opt. E2 |
| \$ 1 - 200 | 793 | 213 | 231 | 248 | 3 | 76 | 14 | 8 |
| 201 - 400 | 3,637 | 1,453 | 960 | 739 | 28 | 327 | 60 | 70 |
| 401 - 600 | 5,713 | 2,649 | 1,457 | 878 | 53 | 479 | 82 | 115 |
| 601 - 800 | 5,033 | 2,199 | 1,376 | 882 | 54 | 390 | 53 | 79 |
| 801 - 1,000 | 4,260 | 1,868 | 1,217 | 792 | 45 | 239 | 42 | 57 |
| 1,001 - 1,200 | 3,956 | 1,800 | 1,146 | 714 | 44 | 152 | 34 | 66 |
| 1,201 - 1,400 | 3,934 | 1,716 | 1,186 | 748 | 62 | 129 | 36 | 57 |
| 1,401 - 1,600 | 3,323 | 1,265 | 1,050 | 700 | 95 | 108 | 41 | 64 |
| 1,601 - 1,800 | 2,990 | 1,134 | 892 | 576 | 124 | 130 | 54 | 80 |
| 1,801 - 2,000 | 2,699 | 901 | 757 | 557 | 104 | 184 | 60 | 136 |
| Over 2,000 | 9,281 | 2,953 | 2,365 | 1,778 | 568 | 817 | 267 | 533 |
| Totals | 45,619 | 18,151 | 12,637 | 8,612 | 1,180 | 3,031 | 743 | 1,265 |

****Selected Option**

- Reg. - Straight life allowance
- Opt. A - 100% survivor option
- Opt. B - 50% survivor option
- Opt. C - 75% survivor option
- Opt. E - Social Security equated
- Opt. E1 - Social Security equated w/100% survivor option
- Opt. E2 - Social Security equated w/50% survivor option

Source: The Segal Company

STATISTICAL SECTION

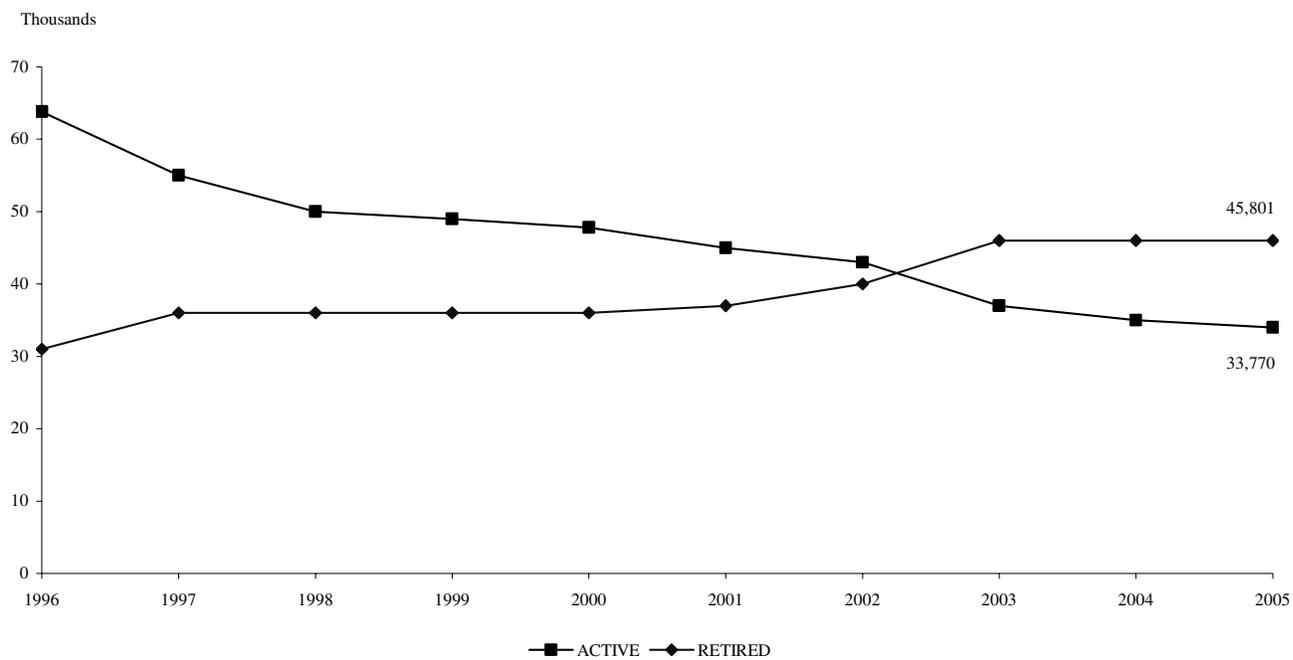
Schedule of Average Benefit Payments

| Retirement Effective Dates | Years Credited Service | | | | | | | Total |
|------------------------------|------------------------|--------|--------|--------|----------|----------|----------|----------|
| | 0-5 | 5-10 | 10-15 | 15-20 | 20-25 | 25-30 | 30+ | |
| Period 10/1/98 to 9/30/99: | | | | | | | | |
| Average Monthly Benefit | \$ 375 | \$ 379 | \$ 433 | \$ 673 | \$ 926 | \$ 1,329 | \$ 1,600 | \$ 1,018 |
| Average Final Average Salary | 9,939 | 29,279 | 24,597 | 26,881 | 29,163 | 33,685 | 34,435 | 29,846 |
| Number of Active Retirants | 432 | 457 | 6,328 | 6,939 | 6,421 | 7,091 | 8,678 | 36,346 |
| Period 10/1/99 to 9/30/00: | | | | | | | | |
| Average Monthly Benefit | \$ 398 | \$ 390 | \$ 453 | \$ 694 | \$ 952 | \$ 1,388 | \$ 1,656 | \$ 1,053 |
| Average Final Average Salary | 9,908 | 30,734 | 25,784 | 27,734 | 29,943 | 34,218 | 35,149 | 30,620 |
| Number of Active Retirants | 450 | 454 | 6,476 | 6,984 | 6,488 | 7,145 | 8,708 | 36,705 |
| Period 10/1/00 to 9/30/01: | | | | | | | | |
| Average Monthly Benefit | \$ 663 | \$ 578 | \$ 474 | \$ 711 | \$ 970 | \$ 1,373 | \$ 1,653 | \$ 1,059 |
| Average Final Average Salary | 22,101 | 29,518 | 26,928 | 28,637 | 30,998 | 34,818 | 35,868 | 31,509 |
| Number of Active Retirants | 771 | 697 | 6,429 | 6,929 | 6,485 | 7,204 | 8,598 | 37,113 |
| Period 10/1/01 to 9/30/02: | | | | | | | | |
| Average Monthly Benefit | \$ 670 | \$ 542 | \$ 491 | \$ 733 | \$ 1,007 | \$ 1,460 | \$ 1,789 | \$ 1,149 |
| Average Final Average Salary | 18,504 | 31,089 | 27,935 | 29,554 | 32,211 | 36,772 | 38,742 | 33,313 |
| Number of Active Retirants | 827 | 626 | 6,505 | 6,962 | 6,710 | 7,985 | 10,051 | 39,666 |
| Period 10/1/02 to 9/30/03: | | | | | | | | |
| Average Monthly Benefit | \$ 731 | \$ 559 | \$ 510 | \$ 758 | \$ 1,074 | \$ 1,573 | \$ 1,990 | \$ 1,298 |
| Average Final Average Salary | 23,640 | 29,738 | 28,338 | 29,985 | 33,205 | 39,023 | 42,071 | 35,175 |
| Number of Active Retirants | 1,056 | 653 | 6,632 | 7,036 | 7,221 | 9,889 | 13,004 | 45,491 |
| Period 10/1/03 to 9/30/04: | | | | | | | | |
| Average Monthly Benefit | \$ 475 | \$ 429 | \$ 528 | \$ 783 | \$ 1,112 | \$ 1,618 | \$ 2,036 | \$ 1,332 |
| Average Final Average Salary | 6,315 | 34,463 | 29,897 | 31,520 | 34,992 | 40,396 | 43,751 | 36,939 |
| Number of Active Retirants | 687 | 454 | 6,842 | 7,262 | 7,287 | 9,951 | 13,136 | 45,619 |

Source: The Segal Company

STATISTICAL SECTION

Ten Year History of Membership Fiscal Year Ended September 30



Source: The Segal Company

ACKNOWLEDGMENTS

The *Michigan State Employees' Retirement System Comprehensive Annual Financial Report* is prepared by Financial Services, Fiscal Management Division. Staff of the division for the fiscal year 2004-2005 report included:

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The report may be viewed on-line at: www.michigan.gov/ors