## STATE OF CONNECTICUT OFFICEOFTHETREASURER



COMBINED INVESTMENT FUNDS COMPREHENSIVEANNUAL FINANCIAL REPORT

For the fiscal year ended June 30, 2004

## STATE OF CONNECTICUT Office of the State Treasurer



The State Motto "Qui Transtulit Sustinet," (He Who Transplanted Still Sustains), has been associated with the various versions of the state seal from the creation of the Saybrook Colony Seal.

## Combined Investment Funds

## Comprehensive Annual Financial Report

## For Fiscal Year Ended June 30, 2004

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Introductory Section
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Denise L. Nappier
Howard G. Rifkin
Treasurer

December 3, 2004

To the State of Connecticut Combined Investment Funds Fellow Beneficiaries

I am pleased to submit to you this Comprehensive Annual Financial Report (CAFR) of the State of Connecticut Office of the Treasurer Combined Investment Funds (CIF) for the fiscal year ended June 30, 2004.

In this report, you will find a level of disclosure consistent with the highest standards of financial reporting. The State of Connecticut's Auditors of Public Accounts have reviewed all statements consistent with generally accepted accounting principles (GAAP) and have rendered an unqualified opinion letter.

As required by Governmental Accounting Standards Board (GASB) Statement No. 34, the financial section now includes Management's Discussion and Analysis (MD\&A), which provides an introduction, overview, and analysis of the financial statements. We are confident that the data is accurate in all material respects and is presented in a manner that fairly reflects the financial position and results of operations as measured by the financial activity of the funds. To this end, audited financial statements and all disclosures necessary to enable the reader to gain an understanding of the Combined Investment Funds financial activities have been included herein for your review.

## State of Connecticut Combined Investment Funds

The Combined Investment Funds are separate legally defined funds which have been established pursuant to Connecticut General Statutes Section 3-31b. The Funds are open-end portfolios consisting of the Cash Reserve Fund, Mutual Equity Fund, Mutual Fixed Income Fund, International Stock Fund, Real Estate Fund, Commercial Mortgage Fund, and the Private Investment Fund. The Funds were established to provide a means for investing pension and other trust fund assets entrusted to the Treasurer in a variety of investment classes. The units of the Funds are owned by these pension and trust funds which include the Teachers' Retirement Fund, State Employees' Retirement Fund, Connecticut Municipal Employees' Retirement Fund, State Judges' Retirement Fund, Probate Court Retirement Fund, State’s Attorney Retirement Fund, Soldiers' Sailors' \& Marines' Fund, Police and Fireman' Survivors' Benefit Fund, Connecticut Arts Endowment Fund, School Fund, Ida Eaton Cotton Fund, Hopemead Fund, Andrew C. Clark Fund, and the Agricultural College Fund.

As principal fiduciary of the Combined Investment Funds, I am authorized to invest in a broad range of equity and fixed income securities, as well as real estate properties, mortgages and private equity. The Office of the Treasurer and the State's Investment Advisory Council (IAC) developed a comprehensive Investment Policy Statement (IPS) that provides policy guidelines for the Funds investments and includes an asset allocation plan, which governs Fund investments today. The Asset Allocation Plan's main objective is to maximize investment returns over the long term at an acceptable level of risk, primarily through asset diversification. Risk, in this context, is defined as volatility of investment returns. (See the Understanding Investment Performance discussion in the Supplemental Section.)

## LETTERFROMTHETREASURER

The Funds are externally managed, primarily with registered investment advisors selected on a competitive basis based on professional reputation, experience and performance. Investments are stated at fair value for each of the funds and the investments of the Cash Reserve Fund are valued at amortized cost that approximates fair value.

## Report Contents

This report was prepared in its entirety by the Connecticut State Treasurer's Office and we take full responsibility for the accuracy of the data and the completeness and fairness of the presentation of the financial statements, supporting schedules, investment performance information, and the statistical tables in it. This CAFR contains four sections:

The Introductory Section contains this letter of transmittal and Management's Report, the GFOA certificate, an organizational structure of the Treasurer's Office, and a list of principal officials and investment advisors for the Combined Investment Funds.

The Financial Section contains the opinion of the State of Connecticut Auditors of Public Accounts, management's discussion and analysis and the financial statements of CIF and notes to the financial statements.

The Investment Section contains a comprehensive discussion of the Funds investment performance and operations including:

- Overview of the Funds operations, investment policies, and approach to measuring and evaluating performance;
- Analysis of the fiscal year's economic conditions and their impact on the Funds' performance;
- Each Fund's performance objectives, benchmarks, and comparative risk profile; and
- Comprehensive presentation of each Fund's portfolio composition, annual and historical investment performance, and a listing of all brokerage firms used by the Pension Funds Management Division and the aggregate commissions paid to each.

The Statistical Section is the final section of the CAFR and includes various tables and schedules and miscellaneous relevant data concerning investments including the Pension and Trust Funds' ownership in the Combined Investment Funds, a list of the Funds' investment advisors and their assets under management, the Pension and Trust Funds' allocation across major asset categories and the market values and rates of return for each, a historical table of CIF assets under management and a comprehensive glossary of investment terms.

The performance presentation formats and disclosures contained in this report are a synthesis of techniques used by public and private sector reporting entities as well as recommendations from the Government Finance Officers Association. Similarly, the financial statements and disclosures reflect a comprehensive effort by Treasurer's Office staff to integrate all appropriate accounting and disclosure standards as well as the most current disclosures required by generally accepted accounting principles.

## Awards and Acknowledgements

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the Connecticut State Treasurer's Combined Investment Funds for its Comprehensive Annual Financial Report (CAFR) for the fiscal year ended June 30, 2003. In order to be awarded a Certificate of Achievement, the Treasurer's Office must publish an easily readable and efficiently organized comprehensive annual financial report. This report must satisfy both generally accepted accounting principles and applicable legal requirements.

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

## LETTERFROMTHETREASURER

The preparation of this report would not have been possible without the efficient and dedicated services of many individuals in the Treasurer's Office. 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 determining responsible stewardship of the Funds in the Treasury.

## Requests for Information

This financial report is designed to provide a general overview of the State of Connecticut Office of the Treasurer Combined Investment Funds activities for all those with an interest in the Funds investment activities. Questions concerning any of the information provided in this report or requests for additional financial informatimon should be addressed to the Office of the Treasurer, 55 Elm Street, Hartford, Connecticut 06106-1773, and telephone (860) 702-3000. Copies of the comprehensive annual financial report will also be available on the Internet at www.state.ct.us/ott.

Sincerely,


Denise L. Nappier
Treasurer

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Denise L. Nappier

Howard G. Rifkin Deputy Treasurer

October 15, 2004

To the State of Connecticut Combined Investment Funds Fellow Beneficiaries

This report was prepared by the Office of the Treasurer, which is responsible for the accuracy of the data, the completeness and fairness of the presentation and all disclosures. We present the financial statements and data as being accurate in all material respects and prepared in conformity with generally accepted accounting principles and such financial statements are audited annually by the State of Connecticut Auditors of Public Accounts.

To carry out this responsibility, the Office of the Treasurer maintains financial policies, procedures, accounting systems and internal controls that management believes provide reasonable, but not absolute, assurance that accurate financial records are maintained and investments and other assets are safeguarded.

It is our belief that the contents of this Combined Investment Funds Comprehensive Annual Financial Report make evident the State of Connecticut Office of the Treasurer support of the safe custody and conscientious stewardship of the State's property and money held by the State.

In management's opinion, the internal control structure of the Office of the Treasurer is adequate to ensure that the financial information is this report presents fairly the financial condition and results of operations of the funds that follow.

Sincerely,


Howard G. Rifkin
Deputy Treasurer

# Certificate of Achievement for Excellence in Financial Reporting 

Presented to

# Connecticut State Treasurer's Combined Investment Funds 

For its Comprehensive Annual<br>Financial Report<br>for the Fiscal Year Ended

June 30, 2003
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.


President


Executive Director

## Mission Statement

To serve as the premier State Treasurer's Office in the nation through effective management of public resources, high standards of professionalism and integrity, and expansion of opportunity for the citizens and businesses of Connecticut.

## Statutory Responsibility

The Office of the Treasurer was established following the adoption of the fundamental orders of Connecticut in 1638. The duties, as described in Article Fourth, Section 22 of the Connecticut Constitution and in Title 3 of the Connecticut General Statutes, the Treasurer shall receive all funds belonging to the state and disburse the same only as may be directed by law.

The Treasurer is the Chief Fiscal Officer for the State government, overseeing a wide variety of activities regarding the prudent conservation and management of State funds. This includes the administration of a portfolio of pension assets worth more than $\$ 20$ billion and a short-term investment fund of approximately $\$ 4$ billion.

## Public Service

The Office of the Treasurer includes an Executive Office as well as five distinct divisions, each with specific responsibilities: Pension Funds Management, Cash Management, Debt Management, Unclaimed Property, and the Second Injury Fund.



COMBINED INVESTMENT FUNDS

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Facsimile: (860) 702-3042
World Wide Web:
www.state.ct.us/ott

Treasurer, State of Connecticut
DENISE L. NAPPIER (860) 702-3010

Deputy Treasurer, State of Connecticut
HOWARD G. RIFKIN (860) 702-3292

Chief Investment Officer
SUSAN B. SWEENEY (860) 702-3229

Assistant Treasurer
GREGORY D. FRANKLIN, CFA (860) 702-3162

Principal Investment Officer
GARY B. DRAGHI, CFA, CPA (860) 702-3160

Principal Investment Officer
DAVID P. SCOPELLITI (860) 702-3177

Investment Officer
RONNIE RODRIGUEZ (860) 702-3167

Investment Officer
MICHELLE R. B. HALE, CPA (860) 702-3275

The Investment Advisory Council (IAC) consists of The State Treasurer and Secretary of the Office of Policy and Management (as ex-officio members of the council), five public members all of whom shall be experienced in matters relating to investments appointed by the Governor and legislative leadership, and three representatives of the teachers' unions and two representatives of the state employees' unions (CGS Sec. 3-13b).

As enacted in Public Act 00-43, the IAC annually reviews the Investment Policy (IPS) Statement recommended by the Treasurer which includes an outline of the standards governing investment of trust funds by the Treasurer. The IPS includes, with respect to each trust fund, (A) investment objectives; (B) asset allocation policy and risk tolerance; (C) asset class definitions, including specific types of permissible investments within each asset class and any specific limitations or other considerations governing the investment of any funds; (D) investment manager guidelines; (E) investment performance evaluation guidelines; (F) guidelines for the selection and termination of providers of investment related services who shall include, but not be limited to, investment advisors, external money managers, investment consultants, custodians, broker-dealers, legal counsel, and similar investment industry professionals; and (G) proxy voting guidelines. The Treasurer shall thereafter adopt the IPS, including any such changes recommended by the IAC the Treasurer deems appropriate, with the approval of a majority of the members appointed to the IAC. The current IPS was adopted by the Treasurer and approved by the IAC in March 2002 and subsequently in January 2003, the IAC approved the Treasurer's adopted guidelines for the Mutual Fixed Income Fund.

All trust fund investments by the State Treasurer shall be reviewed by the Investment Advisory Council along with all information regarding such investments provided to the council which the Treasurer deems relevant to the council's review and such other information as may be requested by the council. The IAC shall also review the report provided by the Treasurer at each regularly scheduled meeting of the IAC as to the status of the trust funds and any significant changes which may have occurred or which may be pending with regard to the funds. The council shall promptly notify the Auditors of Public Accounts and the Comptroller of any unauthorized, illegal, irregular or unsafe handling or expenditure of trust funds or breakdowns in the safekeeping of trust funds or contemplated action to do the same within their knowledge.

At the close of the fiscal year, the IAC shall make a complete examination of the security investments of the State and determine as of June thirtieth, the value of such investments in the custody of the Treasurer and report thereon to the Governor, the General Assembly and beneficiaries of trust fund assets administered, held or invested by the Treasurer (CGS Sec. 3-13b(c)(2)).

## Council members who contributed their time and knowledge to the IAC during fiscal 2004 include:

CLARENCE L. ROBERTS, JR., Chairman, as appointed by the Governor, Former Assistant Treasurer, Unilever United States, Inc. (Retired)

CLARE H. BARNETT, Representative of State Teachers' unions, Teacher and Social Studies Chair, Danbury school system. (Resigned effective $1 / 31 / 2004$ )

JAMES T. LARKIN, President, Global Strategy Advisors
REGINALD U. MARTIN, Managing Partner, Insurance Planning Associates.
DENISE L. NAPPIER, Treasurer, State of Connecticut (Ex-officio member) and council secretary.
SHARON M. PALMER, Representative of State Teachers' unions, First Vice President, CT Federation of Educational and Professional Employees.

HENRY E. PARKER, Former Treasurer, State of Connecticut 1975-1986, Former Senior Vice President, Atalanta/Sosnoff Capital Corporation (Retired).

DAVID M. ROTH, Principal and Managing Director, WLD Enterprises, Inc.
MARC S. RYAN, Secretary, State Office of Policy and Management (Ex-officio member).
ROSALYN B. SCHOONMAKER, Representative of State Teachers' unions, retired teacher and retirement counselor. (Term expired 6/30/2004)

CAROL M. THOMAS, Representative of State Employees' unions, State Department of Mental Retardation.

## INVESTMENTCONSULTANTS

CRA RogersCasey - Darien, Connecticut Greystone Capital Management - Hartford, Connecticut Invesco Private Capital - Denver, Colorado Pension Consulting Alliance - Portland, Oregon

## MASTER CUSTODIAN

State Street Bank and Trust Co. - Boston, Massachusetts

## AUDITORS

Auditors of Public Accounts - Hartford, Connecticut

INVESTMENT ADVISORS
CASH RESERVE ACCOUNT
State Street Global Advisors - Boston, Massachusetts

MUTUAL EQUITY FUND (MEF)
Large Cap
BGI Barclays Global Investors, N.A. - San Francisco, California State Street Global Advisors - Boston, Massachusetts

Small/Mid Cap Passive Enhance
AXA Rosenberg Investment Management - Orinda, California
SSB CitiGroup (The Travelers) - Stamford, Connecticut
Small/Mid Cap Active
Brown Capital Management, Inc. - Baltimore, Maryland TCW Cowen Asset Management - New York, New York

INTERNATIONAL STOCK FUND
Index
State Street Global Advisors - Boston, Massachusetts
Core
Invesco Global Asset Management - Denver, Colorado
Morgan Stanley Asset Management - New York, New York Putnam Advisory Company - Boston, Massachusetts

Active - Growth
Clay Finlay, Inc. - New York, New York
MFS Institutional Advisors, Inc. - Boston, Massachusetts
Active - Value
Grantham, Mayo, Van Otterloo \& Co. - Boston, Massachusetts
Small Cap
Morgan Stanley Asset Management - New York, New York
Schroder Investment Management - New York, New York

# Emerging <br> Emerging Markets Management - Arlington, Virginia Grantham, Mayo, Van Otterloo \& Co. - Boston, Massachusetts <br> Risk Controlled <br> Fidelity Management Trust Co. - Boston, Massachusetts Merrill Lynch Investment Managers - Plainsboro, New Jersey <br> REAL ESTATE FUND (REF) <br> AEW Capital Management - Boston, Massachusetts Apollo Real Estate Investment Fund - New York, New York <br> Cigna Realty Investors - Hartford, Connecticut Evergreen Investments - Atlanta, Georgia <br> New Boston Fund - Boston, Massachusetts Rockwood Capital - Greenwich, Connecticut Walton Street Real Estate Fund II- Chicago, Illinois Westport Senior Living Fund - Palm Beach Gardens, Florida <br> MUTUAL FIXED INCOME FUND (MFIF) <br> Core <br> BlackRock Financial Management, Inc. - New York, New York <br> Phoenix Investment Counsel - Hartford, Connecticut <br> State Street Global Advisors - Boston, Massachusetts <br> Wellington - Boston, Massachusetts <br> Western Asset Management - Pasadena, California <br> High Yield <br> Loomis Sayles \& Co., Inc. - Boston, Massachusetts Oaktree Capital Management, L.L.C. - Los Angeles, California <br> W.R. Huff Asset Management - Morristown, New Jersey <br> COMMERCIAL MORTGAGE FUND (CMF) 

AEW Capital Management, LP - Boston, Massachusetts

## PRIVATE INVESTMENTFUND (PIF)

Corporate Buyouts
Blackstone Capital Partners III - New York, New York DLJ Merchant Banking Fund II- New York, New York

Forstmann Little Equity Fund VI- New York, New York FS Equity Partners V - Los Angeles, California Green Equity Investors III - Los Angeles, California Hicks Muse Tate \& Furst Equity Fund III - Dallas, Texas Kelso Investment Associates VI - New York, New York KKR 1996 Fund - New York, New York KKR Millenium Fund - New York, New York SCP Private Equity Partners - Wayne, Pennsylvania Thayer Equity Investors IV - Washington D.C. Thomas H. Lee Equity Fund IV - Boston, Massachusetts Veritas Capital Fund- New York, New York
Wellspring Capital Partners II - New York, New York
Wellspring Capital Partners III - New York, New York Welsh, Carson, Anderson \& Stowe VIII - New York, New York

Venture Capital
Connecticut Futures Fund - Westport, Connecticut Connecticut Green Ventures - White Plains, New York
Conning Capital Partners V - Hartford, Connecticut
Crescendo III - Minneapolis, Minnesota
Crescendo World Fund - Minneapolis, Minnesota
Grotech Partners V - Timonium, Maryland
Pioneer Ventures Associates - Windsor, Connecticut RFE Investment Partners VI - New Canaan, Connecticut

Shawmut Equity Partners - Boston, Massachusetts
Mezzanine
GarMark Partners - Stamford, Connecticut
SW Pelham Fund - Hartford, Connecticut
SW Pelham Fund II LP - Hartford, Connecticut Triumph Connecticut Partners - Boston, Massachusetts

International
AIG Global Emerging Markets Fund - New York, New York
Carlyle Asia Partners- Washington D.C.
Carlyle Europe Partners- Washington D.C. Compass European Partners - New York, New York Gilbert Global Equity Partners - Tacoma, Washington

Fund of Funds
Goldman Sachs Private Equity Fund - New York, New York
Landmark Private Equity Fund VIII - Simsbury, Connecticut Lexington Capital Partners II - New York, New York The Constitution Liquidiating Fund - Farmington, Connecticut

Special Situations
Forstmann Little MBO VII - New York, New York
Greenwich Street Capital Partners II - New York, New York
KPS Special Situations Fund - New York, New York
TCI Liquidating Trust - Boston, Massachusetts Washington \& Congress Partners - Boston, Massachusetts
Welsh, Carson, Anderson \& Stowe Capital Partners III - New York, New York
$\frac{\text { Financial }}{\text { Section }}$
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## STATE OF CONNECTICUT



## AUDITORS OF PUBLIC ACCOUNTS

## INDEPENDENT AUDITORS' REPORT

We have audited the accompanying statement of net assets of the Combined Investment Funds as of June 30, 2004, and the statement of changes in net assets for the fiscal years ended June 30, 2004, and 2003. These financial statements are the responsibility of the management of the State Treasury. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit 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.

Our procedures included confirmation of securities owned as of June 30, 2004, by correspondence with the custodians. 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 audit provides a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Combined Investment Funds as of June 30, 2004, and the results of their operations and changes in net assets for the year then ended, in conformity with accounting principles generally accepted in the United States of America.

As explained in Note 1B, the State Treasurer's policy is to present investments at fair value. The fair value of most of the assets of the Real Estate Fund, the Commercial Mortgage Fund and the Private Investment Fund and the limited partnership investment of the Mutual Fixed Income Fund are estimated by investment advisors in the absence of readily ascertainable market values, and reviewed and adjusted, when appropriate, by the State Treasurer. The fair value of most of the assets of the Real Estate Fund and the Private Investment Fund and the limited partnership investment of the Mutual Fixed Income Fund are presented at the cash adjusted fair values, which utilize the investment advisors' March 31, 2004, quarter ending estimated values adjusted for cash flows of the Funds during the subsequent quarter that affect the value at the Funds' level. Adjustments are made for underlying investments that experienced significant changes in value during the quarter, if deemed appropriate. We have reviewed the investment advisors' values, the
relevant cash flows and the procedures used by the State Treasurer in reviewing the estimated values and have read underlying documentation and, in the circumstances, we believe the procedures to be reasonable and the documentation appropriate. However, because of the inherent uncertainty of valuation, those estimated values may differ significantly from the values that would have been used had a ready market for the investments existed, and the differences could be material.

Our audit was made for the purpose of forming an opinion on the financial statements of the Combined Investment Funds taken as a whole. The Combined Investment Funds Statement of Net Assets, Statements of Changes in Net Assets, Total Net Asset Value by Pension Plans and Trusts and the Statements of Investment Activity by Pension Plan and by Trust, contained within the Statistical Section of this document, are presented for purposes of additional analysis and are not a required part of the financial statements of the Combined Investment Funds. Such information has been subjected to the auditing procedures applied in the audit of the financial statements of the Combined Investment Funds and, in our opinion, is fairly presented in all material respects in relation to the financial statements of the Combined Investment Funds taken as a whole. The Management's Discussion and Analysis is not a required part of the basic financial statements but is supplemental information required by the Governmental Accounting Standards Board. We have applied certain limited procedures, which consisted primarily of inquiries of management regarding the methods of measurement and presentation of the supplementary information. However, we did not audit the Management's Discussion and Analysis and express no opinion on it.

This opinion is being issued for inclusion in an annual report for the State Treasurer's Combined Investment Funds for the fiscal year ended June 30, 2004. Other information contained within the Statistical Section and the Investment and Introductory Sections of this document has not been audited.


Kevin P. Johnston
Auditor of Public Accounts


Robert G. Jaekle Auditor of Public Accounts

December 15, 2004
State Capitol
Hartford, Connecticut

This Management's Discussion and Analysis (MD\&A) of the Comprehensive Annual Financial Report (CAFR) of the State of Connecticut Office of the Treasurer Combined Investment Funds (CIF) is a narrative overview and analysis of the financial activities for the fiscal year ended June 30, 2004. The management of the State of Connecticut's Office of the Treasurer provides this MD\&A and we encourage readers to review it in conjunction with the transmittal letter at the front of this report and with the financial statements that follow.

This MD\&A has been prepared per the provisions of Governmental Accounting Standards Board (GASB) Statement No. 34.

The Combined Investment Funds financial statements reported by the Treasurer's Office for which the Treasurer has fiduciary responsibility for the investment thereof begin on page 20 and provide detailed information about individual funds. (The funds are separate legally defined funds which have been established by the Treasurer and the units of the funds are owned by the pension and trusts funds which include the Teachers' Retirement Fund, State Employees' Retirement Fund, Connecticut Municipal Employees' Retirement Fund, Soldiers' Sailors' \& Marines' Fund, Police and Firemen Survivors' Benefit Fund, Connecticut Arts Endowment Fund, School Fund, Ida Eaton Cotton Fund, Hopemead Fund, Andrew C. Clark Fund, and the Agricultural College Fund). This financial information is included in the activities of the State of Connecticut's Fund Financial Statements as presented in the Comprehensive Annual Financial Report of the State of Connecticut prepared by the State Comptroller.

## FINANCIAL HIGHLIGHTS \& ANALYSIS OF THE FUNDS

The Combined Investment Funds represent the pension funds of the State teachers, State and municipal employees, as well as trust funds that support academic programs, grants and initiatives throughout the State with a combined market value portfolio of $\$ 20.7$ billion; ranging in investment diversity from domestic and international stocks to fixed income, real estate and private investment equity.

Net Assets - The net assets of the Combined Investment Funds at the close of the fiscal year were $\$ 20.2$ billion, an increase of $\$ 1.9$ billion from the previous year. The change in net assets resulted from net investment income from operations of $\$ 2.7$ billion partly offset by cash outflows of $\$ 0.8$ billion to the Connecticut Retirement Plans and Trust Funds. As is the case with any pension fund, a portion of the total net investment income of $\$ 2.7$ billion ( $\$ 0.8$ billion) was used, coupled with contributions of participants and the plan sponsors, to make payments to beneficiaries of the Connecticut Retirement Plans and Trust Funds.

Operating Income - Favorable performance results achieved a positive return of $15.23 \%$, net of all management fees and expenses, resulting in an increase in net assets from operations of $\$ 2.7$ billion in the 2004 fiscal year, compared to a return of $2.49 \%$, net of all expenses for the previous fiscal year.

Although the Funds achieved an annual total return, net of expenses, of $15.23 \%$ its performance was 104 basis points behind the fund benchmark largely attributable to asset allocation differences relative to the total fund benchmark, which detracted from returns for the fiscal year.

## OVERVIEW OF THE FINANCIAL STATEMENTS

This discussion and analysis is an introduction to the Office of the Treasurer's Combined Investment Funds basic financial statements, which are comprised of: 1) Statement of Net Assets, 2) Statement of Operations, 3) Statement of Changes in Net Assets and 4) Notes to the Financial Statements.

The Statement of Net Assets and the Statement of Operations are two financial statements that report information about the Combined Investment Funds as a whole, and about its activities that should help answer this question: Are the Combined Investment Funds, as a whole, performing better or worse as a result of this year's activities? These statements include all assets and liabilities using the accrual basis of accounting. The current year's revenues and expenses are taken into account regardless of when cash is received or paid.

The Statement of Net Assets (page 20) presents all of the Combined Investment Funds assets and liabilities, with the difference between the two reported as "net assets". Over time, increases and decreases in net assets measure whether the Combined Investment Funds financial position is improving or deteriorating.

## Net Assets held in trust for Participants

A summary of the net assets held in trust for participants is presented below.
Condensed Statement of Net Assets
Fiscal Year Ended June 30,

|  | 2004 | 2003 | Increase/(Decrease) |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | Amount | \% |
| Assets |  |  |  |  |
| Investments at Fair Value | \$20,650,115,902 | \$18,989,393,113 | \$1,660,722,789 | 9.1\% |
| Cash, Receivables and Other | 10,456,439,700 | 4,253,923,670 | 6,202,516,030 | 33.9\% |
| Total Assets | 31,106,555,602 | 23,243,316,783 | 7,863,238,819 | 43.0\% |
| Liabilities | (10,917,165,822) | (4,942,911,710) | (5,974, 254,112) | (32.6)\% |
| Net Assets | \$20,189,389,780 | \$18,300,405,073 | \$1,888,984,707 | 10.4\% |

The Summary of Operations below presents information on investment income and expenses and net increase in fair value of investments. Unrealized gains or losses of securities are determined by taking the difference between amortized cost and the fair value of investments. The Summary of Operations below presents information on investment income and expenses net increase in fair value of investments. Unrealized gains or losses of securities are determined by taking the difference between amortized cost and the fair value of investments.

## Summary of Operations

 Fiscal Year Ended June 30,|  | 2004 | 2003 | Increase/(Decrease) |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | Amount | \% |
| Dividends | \$607,529,263 | \$484,357,601 | \$123,171,662 | 34.7\% |
| Interest | 303,029,185 | 352,342,680 | $(49,313,495)$ | (13.9)\% |
| Securities Lending \& Other Income | 52,765,857 | 28,930,277 | 23,835,580 | 6.7\% |
| Total Investment Income | 963,324,305 | 865,630,558 | 97,693,747 | 27.5\% |
| Total Investment Expenses | 65,812,675 | 67,674,413 | 1,861,738 | 0.5\% |
| Net Investment Income | 897,511,630 | 797,956,145 | 99,555,485 | 28.0\% |
| Net Realized Gain/(Loss) | 880,979,032 | $(566,640,104)$ | 1,447,619,136 | 407.7\% |
| Net Change in Unrealized Gains on |  |  |  |  |
| Investments | 936,915,624 | 123,784,295 | 813,131,329 | 229.0\% |
| Net Increase in Net Assets Resulting |  |  |  |  |
| From Operations | \$2,715,406,286 | \$355,100,336 | \$2,360,305,950 | 664.7\% |

The Statement of Changes in Net Assets (pages 21 and 22) presents information showing how the Combined Investment Fund's net assets changed during the most recent fiscal year. All changes in net assets are reported as soon as the underlying events giving rise to the change occurs, regardless of the timing of related cash flows. Therefore, revenues and expenses are reported in this statement for some items that will only result in cash flows in future fiscal periods (e.g. security lending rebates and dividend and interest income).

## Condensed Statement of Changes in Net Assets <br> Fiscal Year Ended June 30,

|  |  |  | Increase/(Decrease) |
| :---: | :---: | :---: | :---: |
|  | 2004 | 2003 | Amount |
| Additions (Deductions) in Net Assets From |  |  |  |
| Operations | \$2,715,406,286 | \$355,100,336 | \$2,360,305,950 |
| Distributions of income to unit owners | $(816,130,191)$ | $(836,951,362)$ | 20,821,171 |
| Purchase of units by participants | 2,889,513,843 | 1,299,496,983 | 1,590,016,860 |
| Redemption of units by participants | (2,899,805,226) | (1,223,395,231) | (1,676,409,995) |
| Total Increase (Decrease) in Net Assets | \$1,888,984,712 | \$(405,749,274) | \$2,294,733,986 |

The Notes to the Financial Statements provide additional information that is essential to a full understanding of the data provided in the Combined Investment Fund's financial statements. The notes can be found on pages 23 through 34 of this report.

## ECONOMIC CONDITIONS AND OUTLOOK

Fiscal year 2004 began with strong economic growth as the Gross Domestic Product (GDP) expanded at an annualized rate of 7.4 percent in the first quarter, its greatest quarterly growth since the first quarter of calendar year 1984. Though economic growth moderated after this, year over year it increased on an inflation-adjusted basis by 4.8 percent in fiscal year 2004, significantly higher than the 3.5 percent average growth rate for the American economy. The Conference Board's consumer confidence index declined in the beginning of the fiscal year, since employment, as measured by the payroll survey, declined slightly in the first quarter, despite the strong growth in GDP, due to increases in productivity. The employment picture did not brighten until the second half of the fiscal year, when over 1.2 million jobs were created. In all of fiscal year 2004, just under 1.4 million jobs were added to the U.S. economy.

In response to the increasing health of the U.S. economy and the end of the Federal Open Market Committee's (FOMC) fear of a deflationary economic environment, the Fed raised the Funds Rate on the last day of the fiscal year by 25 basis points (BP), to 1.25 . Since then, the FOMC has increased the Fed Funds Rate at each successive meeting to 1.75 percent as of this writing, and is poised to increase the rate by 25 BP , to 2 percent, at its next meeting on November 10, 2004. One month Certificate of Deposits (CD's) anticipated the FOMC moves, with rates increasing from 1.03 percent at the beginning of the fiscal year to 1.30 percent at its end.

Fiscal year 2005 began with an optimistic view of the economy, since job growth had begun to accelerate. Consumer confidence peaked in July at 105.7, a two-year high; it then dropped due to lower than expected job growth and higher than expected energy prices. The Fed believes that the economy was experiencing a temporary rough patch and will continue to grow, so the FOMC will probably continue to increase the Fed Funds Rate in the second half of fiscal year 2005.

## CONTACTING THE OFFICE OF THE TREASURER

This financial report is designed to provide a general overview of the Office of the Treasurer's finances and to show the Office's accountability for the money it receives. Questions about this report or requests for additional information should be addressed to:

Connecticut State Treasury 55 Elm Street<br>Hartford, CT 06106-1773<br>Telephone (860) 702-3000 www.state.ct.us/ott

## STATEMENT OF NET ASSETS JUNE 30, 2004

ASSETS
Investments in Securities, at Fair Value

Cash Equivalents
Asset Backed Securities
Government Securities
Government Agency Securities
Mortgage Backed Securities
Corporate Debt
Convertible Securities
Common Stock
Preferred Stock
Real Estate Investment Trust
Mutual Fund
Limited Liability Corporation
Trusts
Limited Partnerships
Annuities
Total Investments in Securities, at Fair Value
Cash
Receivables
Foreign Exchange Contracts
Interest Receivable
Dividends Receivable
Due from Brokers
Foreign Taxes
Securities Lending Receivable
Reserve for Doubtful Receivables
Total Receivables

Invested Securities Lending Collateral
Prepaid Expenses
Total Assets

## LIABILITIES

Payables

| Foreign Exchange Contracts | $7,929,562,380$ |
| :--- | ---: |
| Due to Brokers | $850,975,796$ |
| Income Distribution | 383,710 |
| Payables | $8,780,921,886$ |
| curities Lending Collateral | $2,122,478,975$ |
| crued Expenses | $13,764,961$ |
| al Liabilities | $10,917,165,822$ |

NET ASSETS

TOTAL
\$ 702,088,890
573,351,655
1,441,108,121
1,631,204,221
536,021,909
2,042,425,922
34,988,672
11,450,413,020
74,664,086
77,504,685
179,393,038
22,948,138
46,404,007
1,836,285,732
1,313,806
20,650,115,902
$18,717,565$
7,914,780,924
80,279,849
13,860,889
313,673,376
1,779,065
785,664
$(12,926,659)$
8,312,233,108

2,122,478,975
$\begin{array}{r}3,010,052 \\ \hline 31,106,555,602\end{array}$
31,106,555,602

7,929,562,380
850,975,796
8,780,921,886
13,764,961
10,917,165,822
$\$ \quad 20,189,389,780$

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

## OPERATIONS

Investment Income
Dividends
Interest
Other Income
Securities Lending
Total Investment Income
Investment Expenses
Investment Advisory Fees
Salary and Fringe Benefits
Custody and Transfer Agent Fees
Professional Fees
Security Lending Fees
Security Lending Rebates
Investment Expenses
Total Investment Expenses
Net Investment Income
Net Realized Gains
Net Change in Unrealized Gains on Investments and Foreign Currency

Net Increase (Decrease) in Net
Assets Resulting from Operations
Distributions to Unit Owners:
Income Distributed to unit owners
Total Distributions Paid and Payable

## Unit Transactions

Purchase of Units by Participants
Redemption of Units by Participants
Net Increase (Decrease) in Net Assets
Resulting from Unit Transactions
Total Increase in Net Assets

## Net Assets

Beginning of Period
End of Period

TOTAL
\$ 607,529,263
303,029,185
29,512,876
23,252,981
963,324,305

38,985,392
2,256,308
1,414,764
6,310,197
2,498,875
14,182,849
164,290
65,812,675
897,511,630
880,979,032

| $936,915,624$ |
| :--- |

2,715,406,286
$(816,130,191)$
$(816,130,191)$

2,889,513,843
(2,899,805,226)
$(10,291,383)$
1,888,984,712
$\begin{array}{r}18,300,405,068 \\ \hline \$ \quad 20,189,389,780 \\ \hline\end{array}$

STATEMENT OF CHANGES IN NET ASSETS
FOR THE FISCAL YEAR ENDED JUNE 30, 2003

## OPERATIONS

Investment Income
Dividends
Interest
Other Income
Securities Lending
Total Investment Income
Investment Expenses
Investment Advisory Fees
Salary and Fringe Benefits
Custody and Transfer Agent Fees
Professional Fees
Security Lending Fees
Security Lending Rebates
Investment Expenses
Total Investment Expenses
Net Investment Income
Net Realized Loss
Net Change in Unrealized Gains

## on Investments and Foreign Currency

Net Increase in Net
Assets Resulting from Operations
Distributions to Unit Owners:
Income Distributed to unit owners
Total Distributions Paid and Payable
Unit Transactions
Purchase of Units by Participants Redemption of Units by Participants
Net Increase (Decrease) in Net Assets
Resulting from Unit Transactions
Total Decrease in Net Assets
Net Assets
Beginning of Period
End of Period

TOTAL
$\begin{array}{rr}\$ & 484,357,601 \\ 352,342,680 \\ 4,007,521 \\ 24,922,756 \\ & 865,630,558\end{array}$

42,267,267
2,064,332
1,192,298
2,756,051
2,056,064
17,191,148
147,253
67,674,413
797,956,145
$(566,640,104)$

| $123,784,295$ |
| :--- |

$\qquad$
$(836,951,362)$
$(836,951,362)$

1,299,496,983
$(1,223,395,231)$
76,101,752
(405,749,274)
$\begin{array}{r}18,706,154,346 \\ \hline \$ \quad 18,300,405,068 \\ \hline\end{array}$

## NOTES TO FINANCIAL STATEMENTS

## NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The Combined Investment Funds (the "Funds") are separate legally defined funds, which have been created by the Treasurer of the State of Connecticut (the "Treasurer") under the authority of the Connecticut General Statutes (CGS) Section 3-31b. The Funds are open-end, unitized portfolios consisting of the Cash Reserve Fund, Mutual Equity Fund, Mutual Fixed Income Fund, International Stock Fund, Real Estate Fund, Commercial Mortgage Fund and the Private Investment Fund. The Funds were established to provide a means for investing pension and other trust fund assets entrusted to the Treasurer in a variety of investment classes. The units of the Funds are owned by these pension and trust funds. For financial reporting purposes of the State of Connecticut, the Funds are considered to be internal investment pools and are not reported in the State's combined financial statements. Instead, each fund type's investment in the fund is reported as "equity in combined investment funds" in the State's combined balance sheet.

The Treasurer, as sole fiduciary of the Funds, is authorized to invest in a broad range of fixed income and equity securities, as well as real estate properties, mortgages and private equity. This authority is restricted only by statute. Such limitations include prohibitions against investment in companies doing business in Iran and those doing business in Northern Ireland, but who have failed to implement the MacBride Principles (CGS Section 3-13h). Other legislation restricts the maximum aggregate investment in equity securities to $60 \%$ of the fair value of the Trust Funds.

The Funds are not subject to regulatory oversight and are not registered with the Securities and Exchange Commission as an investment company.

The following is a summary of significant accounting policies consistently followed by the Funds in the preparation of their financial statements.

## A. NEW PRONOUNCEMENTS

There were no relevant new pronouncements for the fiscal year end June 30,2004

## B. SECURITY VALUATION

Investments are stated at fair value for each of the Funds as described below. For the Commercial Mortgage Fund, the investments listed on the Statement of Net Assets, other than the amounts invested in the Cash Reserve Fund, are shown at fair values provided to the Fund by the investment advisor, and adjusted, when appropriate, by the Treasurer's staff. For the Real Estate and Private Investment Funds and one limited partnership in the Mutual Fixed Income Fund, substantially all of the investments, other than those in the Cash Reserve Fund, are shown at values that are estimated by the Treasurer's staff. Such estimations utilize the investment advisors' prior quarter end estimated fair value, plus or minus the appropriate related cash flows as described later in this section. The Treasurer's staff reviews the valuations for all investments in these alternative asset classes (Commercial Mortgage, Real Estate, and Private Investment Funds) to see that they are reasonable and consistent. Due to the inherent uncertainty of valuation, those estimated values may differ significantly from the values that would have been used had a ready market for the securities existed and the differences could be material.

Cash Reserve Fund
Investments are valued at amortized cost, which approximates fair value. Repurchase Agreements held are collateralized at 102 percent of the securities' value. Such transactions are only entered into with primary government securities dealers who report directly to the Federal Reserve Bank of New York. The collateral is evaluated daily to ensure its fair value exceeds the current fair value of the repurchase agreements including accrued interest.

## Mutual Equity Fund

Securities traded on securities exchanges are valued at the last reported sales price on the last business day of the fiscal year. Corporate bonds and certain over-the-counter stocks are valued at the mean of bid and asked prices as furnished by broker-dealers.

## Mutual Fixed Income Fund

Investments are valued based on quoted market prices when available. For securities that have no quoted market value, fair value is estimated based on yields currently available on comparable securities of issuers with similar credit ratings.

An investment with a market value of $\$ 0$ and a cost value of $\$ 44,897,812$ is held through a limited partnership. Subsequent to June 30, 2004 this investment was liquidated for the sales price of $\$ 1$. The fair value of the underlying securities is based on quoted market prices when available. When quoted market prices are not available, the underlying securities are valued by the General Partner at the fair value as determined in good faith under consistently applied procedures.

When-issued securities held are fully collateralized by U.S Government securities and such collateral is in the possession of the Fund's custodian. The collateral is evaluated daily to ensure its market value exceeds the current market value of the instruments including accrued interest.

The Mutual Fixed Income Fund invests in Mortgage Backed Securities (MBSs) and Asset Backed Securities (ABSs), which are included in the Statement of Net Assets. These are bonds issued by a special purpose trust that collects payments on an underlying collateral pool of mortgage or other loans and remits payments to bondholders. The bonds are structured in a series of classes or tranches, each with a different coupon rate and stated maturity date. Interest payments to the bondholders are made in accordance with the trust indentures and amounts received from borrowers in excess of interest payments and expenses are used to amortize the principal on the bonds. Such principal payments are made to retire the tranches of bonds in order of their stated maturity. Because mortgage prepayments are largely dependent on market interest rates, the ultimate maturity date of the bonds is unpredictable and is sensitive to changes in market interest rates, but is generally prior to the stated maturity date. At June 30, 2004, the Fund held MBSs of \$454,710,826 and ABSs of \$68,860,394.

Interest-only stripped mortgage backed securities (IOs), a specialized type of Collateralized Mortgage Obligation (CMO), are included as Mortgage Backed Securities on the statement of Net Assets. The cash flow on these investments is derived from the interest payments on the underlying mortgage loans. Prepayments on the underlying loans curtail these interest payments, reducing the value of the IOs and, as such, these instruments are extremely sensitive to changes in interest rates, which encourage or discourage such prepayments. At June 30, 2004 the Fund's holdings had a fair value of $\$ 4.4$ million and a cost of $\$ 41.5$ million. The valuations were provided by the custodian.

Investments in non-U.S. fixed income securities are utilized on an opportunistic basis. Certain advisors within the Mutual Fixed Income Fund are authorized to invest in global fixed income securities.

## International Stock Fund

Investments in securities listed on security exchanges are valued at the last reported sales price on the last business day of the fiscal year; securities traded in the over-the-counter market and listed securities for which no sale was reported on that date are valued at the mean of the last reported bid and asked prices.

Certain cash held in non-U.S. dollar denominated trading accounts is non-interest bearing.

## Real Estate Fund

Investments in securities not listed on security exchanges and investments in trusts, limited partnerships, and annuities, which comprise substantially all of the Fund's investments, are carried at the cash adjusted fair value. The cash adjusted fair value utilizes the prior calendar quarter end fair value as estimated by the investment advisor, (i) plus cash flows relating to capitalized expenses and principal contributions disbursed from and (ii) minus amounts received by the Real Estate Fund, to estimate the current fair value. The Treasurer's staff reviews the prior quarter estimated fair values provided by the investment advisors for reasonableness. In those instances where an advisor's value appears to be overstated, this estimated fair value is adjusted accordingly. Additionally, the staff monitors the estimated cash adjusted fair values against the estimated values subsequently reported by the investment advisors. In the event of significant total Fund-level differences between the cash adjusted estimates and the investment advisors' estimated values, adjustments to the reported cash adjusted fair values are made to prevent overstatement. At June 30, 2004, the estimated investment values provided by the investment advisors, net of the adjustments noted above, exceeded cash adjusted fair values reported on the Statement of Net Assets by approximately $\$ 3.4$ million. Consistent with the cash adjusted fair value presentation this increase will be considered for the next quarter's adjustment.

## Commercial Mortgage Fund

This Fund invests in commercial mortgage loans and mortgage backed securities generally through indirect ownership vehicles such as trusts and corporations. The value of the Fund's interest in these entities is based on the fair value of the underlying commercial loan portfolio or securities held. Fair value for the mortgage portfolio is computed by discounting the expected cash flows of the loans at a rate commensurate with the risk inherent in the loans. The discount rate is deter-

## NOTES TO FINANCIAL STATEMENTS (Continued)

mined using the yield on U.S. Treasury securities of comparable remaining maturities plus an appropriate market spread for credit and liquidity risk. The Fund does not record fair values in excess of amounts at which the borrower could settle the obligation, giving effect to any prepayment premiums. In the event that the fair value of the loan collateral, based on an appraisal, is less than the outstanding principal balance, the collateral value is used as fair value. These calculations are performed by the investment advisor and reviewed by Treasury personnel.

## Private Investment Fund

The Private Investment Fund is comprised of investments in various limited partnerships, limited liability companies and securities. The general partner or managing member is the investment advisor and is compensated on a fee basis for management services in addition to its participation in partnership profits and losses. These investments are carried at their cash adjusted fair values. The cash adjusted fair value utilizes the prior quarter fair value as estimated by the investment advisor, (i) plus cash flows relating to capitalized expenses and principal contributions disbursed from and (ii) minus amounts received by the Private Investment Fund, to estimate the current fair value. The Treasurer's staff reviews the prior quarter estimated fair values provided by the investment advisors for reasonableness. In those instances where an advisor's value appears to be overstated, the estimated fair value is adjusted accordingly. Additionally, the staff monitors the estimated cash adjusted fair values against the estimated values subsequently reported by the investment advisors. In the event of significant total Fund-level differences between the cash adjusted estimates and the investment advisors' estimated values, adjustments of reported cash adjusted values are made to prevent overstatement. At June 30, 2004, the estimated investment values provided by the investment advisors, net of the adjustments noted above, exceeded cash adjusted fair values reported on the Statement of Net Assets by approximately $\$ 25.2$ million. Consistent with the cash adjusted fair value presentation this increase will be considered for the next quarter's adjustment. Securities traded on securities exchanges are valued at the last reported sales price on the last business day of the fiscal year. Corporate bonds and certain over-the-counter stocks are valued at the mean of bid and asked prices as furnished by broker-dealers.

Fair values of the underlying investments are generally represented by cost unless there has been an additional armslength indication of value, such as a public offering or a new investment by a third party.

## C. INVESTMENT TRANSACTIONS AND RELATED INCOME

Investment transactions are accounted for on a trade date basis. Dividend income is recognized as earned on the exdividend date. Interest income is recorded on the accrual basis as earned. Realized gains and losses are computed on the basis of the average cost of investments sold. Such amounts are calculated independent of and are presented separately from the Net Change in Unrealized Gains and Losses on the Statement of Operations and the Statement of Changes in Net Assets. Realized gains and losses on investments held more than one fiscal year and sold in the current year were included as a change in the fair value of investments reported in the prior year(s) and the current year. Unrealized gains and losses represent the difference between the fair value and the cost of investments. The increase (decrease) in such difference is accounted for as a change in unrealized gain (loss). In the Funds' cost basis records, premiums are amortized using the straight-line method that approximates the interest method.

Dividends earned by the Private Investment, Real Estate, Commercial Mortgage Funds and one limited partnership in the Mutual Fixed Income Fund relate to investments that are not listed on security exchanges. Such dividends are recognized as income when received, generally net of advisory fees.

## D. FOREIGN CURRENCY TRANSLATION

The value of investments, assets and liabilities denominated in currencies other than U.S. dollars are translated into U.S. dollars based upon appropriate fiscal year end foreign exchange rates. Purchases and sales of foreign investments and income and expenses are converted into U.S. dollars based on currency exchange rates prevailing on the respective dates of such transactions. The Funds do not isolate that portion of the results of operations arising from changes in the exchange rates from that portion arising from changes in the market prices of securities.

## E. SHARE TRANSACTIONS AND PRICING

All unit prices are determined at the end of each month based on the net asset value of each fund divided by the number of units outstanding. Purchases and redemptions of units are based on the prior month end price and are generally processed on the first business day of the month.

## F. EXPENSES

Expenses of the funds are recognized on the accrual basis and are deducted in calculating net investment income and net asset value on a monthly basis. Fees and expenses of the Real Estate Fund are generally recognized when paid, by netting them against dividends received. Each of the funds bears its direct expenses, such as investment advisory fees, and, in addition, each of the funds is allocated a portion of the overhead expenses of the Pension Funds Management Division of the Office of the State Treasurer, which services the funds. These expenses include salary and fringe benefit costs and other administrative expenses. Certain of these costs are allocated among the Funds based on relative net asset values. Other costs are charged directly based on the specific duties of personnel.

## G. DISTRIBUTIONS

Net investment income earned by the Combined Investment Funds is distributed monthly to the unit owners of the funds, generally in the following month.

## H. DERIVATIVE FINANCIAL INSTRUMENTS

GASB Technical Bulletin No. 2003-1 defines a derivative instrument as a financial instrument or other contract with all three of the following characteristics: a) It has (1) one or more underlying (a specified interest rate, security price, commodity price, foreign exchange rate, index of prices or rates or other variable) and (2) one or more notional amounts (a number of currency units, shares, bushels, pounds, or other units specified in the contract). b) It requires no initial investment or smaller than would be required for other types of contracts. c) Its terms require or permit net settlement, it can readily be settled net by a means outside the contract, or it provides for delivery of an asset that puts the recipient in a position not substantially different from net settlement.

For the fiscal year ended June 30, 2004, the funds maintained positions in a variety of such securities that are all reported at fair value on the statement of net assets. The Cash Reserve Fund held adjustable rate and asset-backed securities. The Mutual Fixed Income Fund held CMOs, including IOs, and other asset backed securities, indexed Treasury securities and option contracts. The International Stock and Mutual Fixed Income Funds were invested in foreign exchange contracts and the Commercial Mortgage Fund held CMOs and CMO residuals. The specific nature of these investments is discussed more fully in the accounting policy note for each respective fund, where appropriate. These financial instruments are utilized for trading and other purposes. Those that are used for other than trading purposes are foreign exchange contracts, which can be used to facilitate trade settlements, and may serve as foreign currency hedges. The credit exposure resulting from such contracts is limited to the recorded fair value of the contracts on the Statement of Net Assets.

The remaining such securities are utilized for trading purposes and are intended to enhance investment returns. All positions are reported at fair value and changes in fair value are reflected in income as they occur. The funds' credit exposure resulting from such investments is limited to the recorded fair value of the derivative financial instruments.

The Mutual Fixed Income and International Stock Funds also utilize derivatives indirectly through participation in mutual funds and a limited partnership. These mutual funds may hold derivatives from time to time. Such derivatives may be used for hedging, investment and risk management purposes. These transactions subject the investor to credit and market risk.

## I. COMBINATION/ELIMINATION ENTRY

The financial statements depict a full presentation of each of the Combined Investment Funds. However, one of these funds, the Cash Reserve Fund, is owned both directly by the pension plans and trust funds which have accounts in the Fund, and also indirectly because each of the other Combined Investment Funds has an account with the Cash Reserve Fund. As a result, elimination entries are presented for the purpose of netting out balances and transactions relating to the ownership

## NOTES TO FINANCIAL STATEMENTS (Continued)

of the Cash Reserve Fund by the other Combined Investment Funds. The combined presentation totals to the overall net assets owned by the pension plans and trust funds.

## J. FEES AND REALIZED GAINS

Investment advisory fees incurred for the Private Investment Fund are generally charged to the entity in which the Fund has been invested. In such cases, these amounts are either capitalized in the cost basis of the investment and become a component of unrealized gain (loss) or are netted against the corresponding income generated. Certain other fees are incurred directly by the Funds. These amounts are expensed and are reflected as Investment Advisory Fees on the Statement of Operations. The appropriate treatment is determined depending on the terms of the investment agreement. Capitalized fees are not separately presented on the Statement of Operations. These fees are borne by the partners in their respective shares. The following is a listing of the Fund's total fees for the fiscal year ended June 30, 2004:

$$
\begin{array}{lcccc} 
& \text { Netted } & \text { Capitalized } & \text { Expensed } & \text { Total } \\
\cline { 2 - 5 } \text { Private Investment Fund } & \$ 18,432,199 & \$ 12,912,576 & \$ 5,591,485 & \$ 36,936,260
\end{array}
$$

In addition, realized gains and losses are not reported at the level of the Fund's investment since these relate to realized gains and losses on the underlying securities held by the Funds' investment vehicles. The following is the Fund's share of such net realized gains and losses for the fiscal year ended June 30, 2004:

$$
\text { Private Investment Fund } \quad \$ 356,449,196
$$

Past practice of partnerships was to distribute realized gains on a consistent basis. Since inception $\$ 31$ million has not been distributed.

Periodically the Private Investment Fund may receive stock distributions in lieu of cash. These securities are included as common stock on the Statement of Net Assets. When one of these individual securities is sold the realized gain or loss is presented on the Statement of Operations. Realized gains for such transactions for the fiscal year ended June 30, 2004 were $\$ 6,829,021$.

The Mutual Fixed Income Fund includes an investment in a mutual fund and a limited partnership interest. Fees incurred are deducted from the operations of the fund and are not separately presented on the Statement of Operations. The corresponding fees incurred for the fiscal year ended June 30, 2004 totaled \$314,000.

The International Stock Fund includes an investment in a mutual fund. Fees incurred are deducted from the operations of the fund and are not separately presented on the Statement of Operations. The corresponding fees incurred for the fiscal year ended June 30, 2004 totaled \$466,000

Investment advisory fees incurred for certain investments in the Real Estate Fund are generally charged to the entity in which the Fund has been invested. In such cases, these amounts are either capitalized in the cost basis of the investment and become a component of unrealized gain (loss) or are netted against the corresponding income generated. Certain other fees are incurred directly by the Funds. These amounts are expensed and are reflected as Investment Advisory Fees on the Statement of Operations. The appropriate treatment is determined depending on the terms of the investment agreement. Capitalized fees are not separately presented on the Statement of Operations. These fees are borne by the partners in their respective shares. The following is a listing of the Fund's total fees for the fiscal year ended June 30, 2004:

$$
\begin{array}{lllll} 
& \text { Netted } & \text { Capitalized } & \text { Expensed } & \text { Total } \\
\cline { 2 - 5 } \text { Real Estate Fund } & \$ 1,084,005 & \$ 2,487,887 & \$ 1,120,127 & \$ 4,692,019
\end{array}
$$

Investment advisory fees for the Cash Reserve, Mutual Equity, Mutual Fixed Income (except as noted above) and International Stock Funds are estimated monthly based on periodic reviews of asset values and performance results. Accordingly, the amounts listed as Investment Advisory Fees on the Statement of Operations represent estimates of annual management fee expenses.

## K. RECLASSIFICATIONS

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

## NOTES TO FINANCIAL STATEMENTS (Continued)

There were no related party transactions during the fiscal year. Additionally, there were no "soft dollar" transactions. Soft dollar transactions result from arrangements whereby firms doing business with organizations such as the Treasury arrange for third parties to provide other services in lieu of cash payment. These arrangements tend to obscure the true cost of operations and can result in potential overpayment for services. Such transactions have been prohibited by the Treasurer.

## M. ESTIMATES

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

## NOTE 2: CASH, INVESTMENTS AND SECURITIES LENDING

Investments in the alternative asset classes generally utilize investment vehicles such as annuity contracts, common stocks, limited partnerships and trusts to comply with investment guidelines against direct ownership of such investment assets.

The investments of the Cash Reserve, Mutual Equity, Mutual Fixed Income and the International Stock Funds were securities registered under the State Street Bank and Trust Co. nominee name Pondwave \& Co. and held by a designated agency of the Pension Plans and Trust Funds of the State of Connecticut, or bearer and held by a designated agency of the Pension Plans and Trust Funds of the State of Connecticut. Investments, as defined by GASB Statement No. 3, are categorized to give an indication of the credit risk assumed by the Treasurer at year-end. Category 1 includes investments which are insured or registered or for which securities are held by the Treasurer or its agent in the Treasurer's name. Category 2 includes uninsured and unregistered investments for which the securities are held by the counterparty's trust department or agent in the Treasurer's name. Category 3 includes uninsured or unregistered investments for which the securities are held by the counterparty's trust department or agent, but not in the Treasurer's name. All registered securities, as noted above, are classified under GASB risk category 1, except as follows:

Amounts listed as Due to Brokers are for securities purchased which are held by broker-dealers and not classified as to credit risk. Amounts listed as Due from Brokers are for securities sold and would have been classified under category 1 of credit risk if they were included in Investments in Securities, at Fair Value on the Statement of Net Assets.

Investments of cash collateral received under securities lending arrangements are registered in the master custodian's name and are invested in a fund maintained by the master custodian exclusively for the Funds. Accordingly, these investments are classified under GASB risk category 3. In circumstances where securities or letters of credit are received as collateral under securities lending arrangements, the collateral is held by the master custodian in a commingled pool in the master custodian's name, as trustee. When "tri-party" collateral is received, the collateral consists of cash, letters of credit or securities but is held in a commingled pool by a third party master custodian in the Funds' master custodian's name. The collateral received is unable to be pledged or sold without borrower default. The underlying securities are classified under GASB risk category 3.

## Private Investment Fund

Investments in the form of limited partnership and limited liability corporation interests are not evidenced by securities existing in physical or book entry form and therefore are not classified as to credit risk.

## Commercial Mortgage Fund

At June 30, 2004, investments with a cost of $\$ 34,024,612$ and a fair value of $\$ 35,042,563$ in the form of common stock certificates are classified as category 1. Other Funds on Deposit represent portfolio level net assets consisting of escrow accounts. These are maintained by the portfolio manager and are not classified, as they are not investments.

The composition of the Fund's investment portfolio by the underlying assets in which the investee corporations and trusts are invested in are as follows at June 30, 2004:

NOTES TO FINANCIAL STATEMENTS (Continued)

| Investment | Fair Value | Cost |
| :--- | ---: | ---: |
| Cash Reserve | $\$ 529,635$ | $\$ 529,635$ |
| Commercial Mortgage loans | $35,042,563$ | $34,024,612$ |
| CMO's | 656,173 | 656,174 |
| Total | $\$ 36,228,371$ | $\$ 35,210,421$ |

## Real Estate Fund

Certain investments in the form of common stock certificates with a cost of \$32,064,985 and a fair value of \$43,804,011 are classified under risk category 1.

The remaining investments, which comprise the substantial majority of the Fund's investments, are in the form of annuities and limited partnerships and are not evidenced by securities existing in physical or book entry form and are therefore not classified as to credit risk.

## Summary of Credit Risk Categories

Breakdown investment type of the GASB 3 credit risk categories is as follows:

| Carrying Amount (Fair Value) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Investment Type | Category 1 | Category 2 | Category 3 | Total |
| Cash Equivalents | \$702,088,890 |  |  | \$702,088,890 |
| Asset Backed | 573,351,655 |  |  | 573,351,655 |
| Government | 777,910,457 |  | \$25,576,986 | 803,487,443 |
| Agency | 582,347,649 |  | 28,950,837 | 611,298,486 |
| Mortgage Backed | 538,702,241 |  |  | 538,702,241 |
| Corporate Debt | 2,043,275,319 |  |  | 2,043,275,319 |
| Convertible | 34,988,672 |  |  | 34,988,672 |
| U.S. Corporate Stock | 7,335,999,835 |  | 12,501,481 | 7,348,501,316 |
| International Equity | 3,150,791,393 |  | 1,475,785 | 3,152,267,178 |
| Preferred Stock | 75,269,039 |  |  | 75,269,039 |
| Collateral Securities held by Investment Pool under Securities |  |  |  |  |
| Lending Arrangements: |  |  |  |  |
| Other |  |  | 449,489,808 | 449,489,808 |
| Corporate Debt |  |  | 1,669,429,665 | 1,669,429,665 |
| SUBTOTAL | \$15,814,725,150 | \$ - | \$2,187,424,562 | 18,002,149,712 |

Investments not categorized because they are not evidenced by securities that exist in physical or book entry form:

| Real Estate Investment Trusts | $76,726,760$ |
| :--- | ---: |
| Mutual Funds | $179,393,038$ |
| Limited Liability Corporation | $22,948,138$ |
| Trusts | $46,404,007$ |
| Limited Partnerships | $1,836,285,732$ |
| Annuities | $1,313,806$ |
| Investments held by broker-dealers under securities loans: |  |
| U.S. Government and Agency | $916,310,956$ |
| U.S. Corporate Stock | $436,760,835$ |
| International Equity | $533,527,385$ |
| Domestic Fixed | $178,874,396$ |
| International Fixed | $1,038,189$ |
| Total Investments | $\underline{\$ 22,231,732,954}$ |

Cash balances included on the Statement of Net Assets of $\$ 18,717,565$ are fully insured by the FDIC and are, therefore, classified as Category 1.

Cash Equivalents listed on the breakdown by investment type under Category 1 consist of corporate debt. Other as reported under Category 3 consist of deposits.

## NOTES TO FINANCIALSTATEMENTS (Continued)

## Securities Lending

Certain of the Combined Investment Funds engage in securities lending transactions to provide incremental returns to the Funds. The Funds are permitted to enter into securities lending transactions pursuant to Section 3-13d of the Connecticut General Statutes. The Funds' master custodian is authorized to lend available securities to authorized broker-dealers and banks subject to a form loan agreement.

During the period ended June 30, 2004, the master custodian lent, at the direction of the Funds, securities and received cash (in both U.S. and foreign currency), U.S. government securities, sovereign debt rated A or better, convertible bonds, and irrevocable bank letters of credit as collateral. The master custodian did not have the ability to pledge or sell collateral securities delivered therefore absent a borrower default. Borrowers were required to deliver collateral for each loan equal to: (i) in the case of loaned securities denominated in United States dollars or whose primary trading market was 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 was not located in the United States, 105\% of the market value of the loaned securities.

The Funds did not impose any restrictions during the fiscal year on the amount of the loans that the master custodian made on its behalf and the master custodian indemnified the Funds by agreeing to purchase replacement securities, or return the cash collateral thereof in the event any borrower failed to return the loaned securities or pay distributions thereon. There were no such failures by any borrowers to return loaned securities or pay distributions thereon during the fiscal year. Moreover, there were no losses during the fiscal year resulting from a default of the borrowers of the master custodian. During the fiscal year, the Funds and the borrowers maintained the right to terminate all securities lending transactions on demand. The cash collateral received on each loan was invested in an individual account known as the State of Connecticut Collateral Investment Trust. On June 30, 2004, the Funds had no credit risk exposure to borrowers. The value of collateral held and the market value of securities on loan for the Funds as of June 30, 2004 were \$2,192,270,608 and \$2,135,016,851 respectively.

Under ordinary circumstances, the average effective duration of the security lending operations will be managed such that it will not exceed 120 days, or fall below 1 day. Under such ordinary circumstances, the net duration, as defined by the duration of assets less the duration of liabilities, will not exceed 45 days. In the event that the average effective duration does exceed 120 days, or the net duration does exceed 45 days for any 3-day period, the Trustee shall, (i) notify the Funds within 5 business days and (ii) take appropriate action as is reasonable to return an average effective duration below 120 days or a net duration below 45 days. The average effective duration is calculated using the weighted average effective duration of holdings. The average effective duration of the security lending program at June 30, 2004 was 63 days.

The average effective duration is managed to be within 45 days due to the inability to monitor the weighted average duration of liabilities. The weighted average duration of liabilities is assumed to remain at 1 day.

The fair value of collateral held and the fair value of securities on loan are as follows for the Funds as of June 30, 2004:

| Fund | Fair Value of <br> Collateral | Fair Value of <br> Securities Lent |
| :--- | ---: | ---: |
| Mutual Equity | $\$ 417,552,250$ | $\$ 406,454,226$ |
| International Stock | $605,410,588$ | $576,792,508$ |
| Mutual Fixed Income | $1,170,391,474$ | $1,151,770,117$ |
| Total | $\$ 2,193,354,312$ | $\$ 2,135,016,851$ |

Investments made using the cash collateral received from security loans were included in the Statement of Net Assets. The fair value of these amounts is as follows:

|  | Cash <br> Equivalents |  | Corporate <br> Debt | Total <br> Investments |
| :--- | ---: | ---: | ---: | ---: |
| Mutual Equity | $\$ 85,735,404$ | $\$ 318,425,968$ | $\$ 404,161,372$ |  |
| International Stock | $127,743,184$ |  | $474,445,152$ | $602,188,336$ |
| Mutual Fixed Income | $236,011,220$ | $876,558,544$ | $1,112,569,764$ |  |
| Total | $\$ 449,489,808$ | $\$ 1,669,429,664$ | $\$ 2,118,919,472$ |  |

These amounts are categorized in the Summary of Credit Risk Categories as Category 3 in that they are invested in a pool which is maintained solely on behalf of the Funds, but whose investments are held in the master custodian's name. The above total amounts were included on the Statement of Net Assets in "Invested Securities Lending Collateral".

## NOTES TO FINANCIAL STATEMENTS (Continued)

## NOTE 3: PURCHASES AND SALES OF INVESTMENT SECURITIES

For the period ended June 30, 2004, the aggregate cost of purchases and proceeds from sales of investment securities (excluding all U.S. Government securities and short-term securities) were as follows:

| Fund | Purchases | Sales |
| :--- | ---: | ---: |
| Mutual Equity | $\$ 4,169,484,496$ | $\$ 4,233,180,084$ |
| Mutual Fixed Income | $21,123,415,711$ | $21,275,712,955$ |
| International Stock | $4,761,752,631$ | $3,671,345,046$ |
| Real Estate | $24,743,718$ | $60,940,604$ |
| Commercial Mortgage | - | $13,615,203$ |
| Private Investment | $468,977,701$ | $286,676,474$ |

The above amounts include the effect of cost adjustments processed during the year.

## NOTE 4: UNREALIZED APPRECIATION AND DEPRECIATION ON INVESTMENTS AND FOREIGN EXCHANGE CONTRACTS

At June 30, 2004, the gross appreciation of investment securities and foreign currency in which there was an excess of fair value over cost, the gross depreciation of investment securities and foreign currency in which there was an excess of cost over fair value and the resulting net appreciation (depreciation) by fund were as follows:
Fund
Mutual Equity
Mutual Fixed Income
International Stock
Real Estate
Commercial Mortgage
Private Investment

| Gross <br> Appreciation | Gross <br> Depreciation | Net Appreciation <br> (Depreciation) |
| ---: | ---: | :---: |
| $\$ 1,559,167,052$ | $\$ 324,132,574$ | $\$ 1,235,034,478$ |
| $155,247,258$ | $198,066,735$ | $(42,819,477)$ |
| $682,675,799$ | $94,288,934$ | $588,386,865$ |
| $52,186,167$ | $31,654,684$ | $20,531,483$ |
| $1,017,950$ | - | $1,017,950$ |
| $110,257,743$ | $735,774,121$ | $(625,516,378)$ |

## NOTE 5: FOREIGN EXCHANGE CONTRACTS

From time to time the International Stock, Mutual Fixed Income, and Private Investment Funds utilize foreign currency contracts to facilitate transactions in foreign securities and to manage the Funds' currency exposure. Contracts to buy are used to acquire exposure to foreign currencies, while contracts to sell are used to hedge the Funds' investments against currency fluctuations. Also, a contract to buy or sell can offset a previous contract. Losses may arise from changes in the value of the foreign currency or failure of the counterparties to perform under the contracts' terms.

The U. S. dollar value of forward foreign currency contracts is determined using forward currency exchange rates supplied by a quotation service.

Investing in forward currency contracts may increase the volatility of the Funds' performance. Price movements of currency contracts are influenced by, among other things, international trade, fiscal, monetary, and exchange control programs and policies; national and international political and economic events; and changes in worldwide interest rates. Governments from time to time intervene in the currency markets with the specific intent of influencing currency prices. Such intervention may cause certain currency prices to move rapidly. Additionally, the currency markets may be particularly sensitive to interest rate fluctuations.

At June 30, 2004, the Funds had recorded unrealized gains (losses) from open forward currency contracts as follows:
International Stock Fund:

| Foreign Currency | Value | Unrealized Gain/(Loss) |  |
| :--- | ---: | ---: | ---: |
| Contracts to Buy: |  |  |  |
| Australian Dollar | $\$ 395,486,636$ | $\$$ | $(6,665,953)$ |
| Canadian Dollar | $57,458,754$ |  | 883,813 |
| Czech Koruna | 451,485 | $(9,017)$ |  |
| Danish Krone | $8,002,988$ | 2,800 |  |
| Euro Currency | $695,584,528$ | $9,037,602$ |  |
| Hong Kong Dollar | $25,698,830$ | $(14,682)$ |  |
| Hungarian Forint | 537,225 | $(451)$ |  |
| Japanese Yen | $604,865,571$ | $(7,460,989)$ |  |
| Malaysian Ringgit | 14,961 | $(10)$ |  |

NOTES TO FINANCIALSTATEMENTS (Continued)

| New Zealand Dollar | $12,448,640$ | 246,212 |
| :--- | ---: | ---: |
| Norwegian Krone | $8,595,738$ | $(70,306)$ |
| Pound Sterling | $273,879,114$ | 943,960 |
| Singapore Dollar | $147,230,383$ | $(1,995,271)$ |
| South African Rand | $2,219,238$ | $(18,910)$ |
| South Korean Won | $16,041,450$ | 8,536 |
| Swedish Krona | $114,393,718$ | 168,014 |
| Swiss Franc | $158,671,324$ | $1,342,163$ |
| Turkish Lira | 62,191 | 30,473 |
| Contracts to Sell: | $\underline{2,521,642,774}$ | $(3,572,016)$ |
| Australian Dollar | $391,071,524$ | $6,243,893$ |
| Brazlian Real | 611,910 | $(2,386)$ |
| Canadian Dollar | $25,389,806$ | $(127,211)$ |
| Danish Krone | $19,940,888$ | 132,595 |
| Euro Currency | $1,942,512,396$ | $(10,504,370)$ |
| Hong Kong Dollar | $61,258,929$ | 82,598 |
| Japanese Yen | $1,256,945,772$ | $2,223,630$ |
| New Zealand Dollar | $4,776,826$ | 45,081 |
| Norwegian Krone | $25,098,417$ | 363,260 |
| Philippine Peso | 26,381 |  |
| Pound Sterling | $848,878,449$ | $(6,644,594)$ |
| Singapore Dollar | $212,389,895$ | $2,104,205$ |
| South Korean Won | $35,750,721$ | $(271,207)$ |
| Swedish Krona | $134,268,500$ | $(1,339,686)$ |
| Swiss Franc | $276,607,665$ | $(2,471,685)$ |
| Thiland Baht | 44,355 | $(71)$ |
| Total | $5,235,572,434$ | $(10,165,946)$ |
|  | $\$ 7,757,215,208$ | $\$(13,737,962)$ |

Financial Statement Amounts:

|  | Receivable | Payable | Net |  |
| :--- | ---: | ---: | ---: | ---: |
| Amount In US Dollars | $\$ 7,757,215,208$ | $\$ 7,757,215,208$ | $\$$ | - |
| Unrealized Gain (Loss) | $(3,572,016)$ | $(10,165,946)$ | $(13,737,962)$ |  |
| Net | $\$ 7,753,643,192$ | $\$ 7,767,381,154$ | $\$(13,737,962)$ |  |

Mutual Fixed Income Fund:

| Foreign Currency | Value | Unrealized Gain/(Loss) |  |
| :--- | ---: | :--- | ---: |
| Contracts to Buy: |  |  |  |
| Canadian Dollar | $\$$ | $4,865,697$ | $\$$ |
| Euro Currency |  | $39,604,389$ |  |
| British Pound | $15,805,995$ | 779,444 |  |
| Swedish Krona | 11,606 | $(94,026)$ |  |
|  | $\underline{60,287,687}$ | 336 |  |

Contracts to Sell:
Canadian Dollar Euro Currency British Pound Swedish Krona

Total

| $4,925,802$ | $(23,952)$ |  |
| ---: | ---: | ---: |
| $64,935,593$ | $(1,373,880)$ |  |
| $15,461,405$ | $(250,563)$ |  |
|  | $14,757,435$ | $(164,909)$ |
| $100,080,235$ | $(1,813,304)$ |  |
|  | $160,367,922$ | $\$$ |

Financial Statement Amounts:

|  | Receivable |  | Payable | Net |  |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Amount In US Dollars | $\$ 160,367,922$ | $\$$ | $160,367,922$ | $\$ 1,043)$ |  |
| Unrealized Gain (Loss) | 769,810 |  | $(1,813,304)$ | $(1,043,494)$ |  |
| Net | $\$ 161,137,732$ | $\$$ | $162,181,226$ | $\$(1,043,494)$ |  |

The net unrealized gain has been included in the Statement of Operations as a component of Net Change in Unrealized Gain (Loss) on Investments.

## NOTE 6: COMMITMENTS

In accordance with the terms of the individual investment agreements, the Private Investment Fund and the Real Estate Fund have outstanding commitments to make additional investments. These commitments will be fulfilled as suitable investment opportunities become available. Unfunded commitments at June 30, 2004, were as follows:

|  | Total <br> Commitment |  |  |
| :--- | ---: | ---: | ---: | | Cumounts |
| :---: |
| Funded |$\quad$| Unfunded |
| :---: |
| Commitment |

## NOTE 7: CONTINGENCY

There was no pending or threatened litigation against the Connecticut Retirement Plans and Trust Funds during the fiscal year ending June 30, 2004. During the fiscal year ending June 30, 2002, the Treasurer on behalf of the Connecticut Retirement Plans and Trust Funds, filed an action against a general partner of a Private Investment Fund investment alleging breach of contract, breach of fiduciary duty and certain securities law violations. The case was tried in Connecticut Superior Court through the month of June 2004 and a jury verdict was issued on the 1st of July 2004. All matters in dispute were settled as of September 20, 2004 for $\$ 15,000,000$. Additionally, the general partner has agreed to distribute an additional $\$ 1,200,000$, which is the Private Investment Funds' share of a distribution from one of the portfolio companies not within the scope of the litigation. In addition a limited partnership in the Private Investment Fund has obtained two writs of summons including one against a former general partner and another against a business associate. This matter is pending in the courts of the Commonwealth of Pennsylvania. Related to the action in the Commonwealth of Pennsylvania, members of the advisory board of the limited partnership in this matter entered into settlement discussions with the partnership's former law firm, having alleged participation by the law firm in the actions leading to apparent losses. In the fall of 2003, following extensive mediation, the parties agreed to settle all claims against the law firm for $\$ 5.8$ million, subject to court approval. The settlement was rejected by the trial court and the law firm has appealed to the Pennsylvania Court of Common Pleas. This matter is currently pending in the Pennsylvania courts.

## NOTE 8: SUBSEQUENT EVENTS

The Treasurer severed all ties with Triumph Capital Group on July 21, 2004. Triumph Capital Group, its managing partner and general counsel were convicted on federal charges of bribery, racketeering, conspiracy and obstruction of justice. The Fund, which held a total of four limited partnership investments managed by Triumph Capital Group (three in the Private Investment Fund, and one in the Mutual Fixed Income Fund), received cash proceeds totaling \$48,957,048 from a sale of these limited partnership interests, resulting in a total liquidation of those investments.

## NOTES TO FINANCIALSTATEMENTS (Continued)

## NOTE 9: COST BASIS OF INVESTMENTS

The aggregate cost values of investments in the Funds are as follows at June 30, 2004:

|  | $\begin{gathered} \text { CASH } \\ \text { RESERVE } \\ \text { FUND } \\ \hline \end{gathered}$ |  | MUTUAL EQUITY FUND |  | MUTUAL FIXED INCOME FUND |  | INTERNATIONAL STOCK FUND | REAL ESTATE FUND |  | MMERCIAL ORTGAGE FUND |  | $\begin{gathered} \text { PRIVATE } \\ \text { INVESTMENT } \\ \text { FUND } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Investments, at Cost |  |  |  |  |  |  |  |  |  |  |  |  |
| Cash Reserve Fund \$ | \$ | \$ | 65,030,485 | \$ | 685,735,194 | \$ | 84,108,282 | \$ 23,873,332 | \$ | 529,635 | \$ | 175,230,571 |
| Cash Equivalents | 571,074,338 |  | - |  | 131,012,782 |  | - | - |  | - |  | - |
| Asset Backed Securities | 504,491,261 |  | - |  | 69,066,205 |  | - | - |  | - |  | - |
| Government Securities |  |  | - |  | 1,433,587,232 |  | - | - |  | - |  | - |
| Government Agency Securities | s 30,753,896 |  | - |  | 1,593,778,285 |  | - | - |  | - |  | - |
| Mortgage Backed Securities | 80,654,910 |  | - |  | 487,571,123 |  | - | - |  | 656,174 |  | - |
| Corporate Debt | 210,703,950 |  | 145 |  | 1,802,959,894 |  | - | - |  | - |  | - |
| Convertible Securities | - |  | - |  | 40,041,601 |  | 17,743 | - |  | - |  | - |
| Common Stock | - |  | 6,414,255,725 |  | 9,326,955 |  | 3,156,822,058 | 32,064,985 |  | 4,024,612 |  | - |
| Preferred Stock | - |  |  |  |  |  | 58,917,276 | - |  |  |  | - |
| Real Estate Investment Trust | - |  | 64,783,844 |  | 1,502,763 |  | 63,946 | - |  | - |  | - |
| Mutual Fund | - |  | - |  | 69,223,779 |  | 107,552,095 | - |  | - |  | - |
| Limited Liability Corporation | - |  | - |  | - |  | - | - |  | - |  | 58,134,310 |
| Trusts | - |  | - |  | - |  | - | 32,821,149 |  | - |  | - |
| Limited Partnerships | - |  | - |  | 44,897,812 |  | - | 258,461,107 |  | - |  | 2,173,464,166 |
| Partnerships | - |  | - |  | - |  | - | - |  | - |  | - |
| Annuities | - |  | - |  | - |  | - | 794,872 |  | - |  | - |
| Total Investments, at Cost \$1 | \$1,397,678,355 |  | 6,544,070,199 |  | 6,368,703,625 |  | 3,407,481,400 | \$348,015,445 |  | 5,210,421 |  | 2,406,829,047 |

Investment Section
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# pens. fund management division 

## Division Overview

## Introduction

As principal fiduciary of six State pension funds and eight trust funds, (known collectively as the "Connecticut Retirement Plans and Trust Funds" or "CRPTF"), the Treasurer is responsible for prudently managing $\$ 20.2$ billion of assets on behalf of approximately 160,000 teachers, State and municipal employees as well as trust funds that support academic programs, grants, and initiatives throughout the State. The Pension Funds Management Division ("PFM") is responsible for the day-to-day administration of the CRPTF.

Prudent investment management not only affects the retirement security of the beneficiaries, but the size of the State budget as well. Funding of the pension benefit liability is dependent on investment returns, State (taxpayer) contributions and the contribution requirements of retirement plan members. If investment returns fall below the actuarial target return, more tax dollars may need to be contributed to ensure full payment of benefits. When pension investment returns exceed the target return, excess returns are applied against the unfunded liability.

As shown in Figure 1-1, over the last ten years pension and trust assets have grown from $\$ 10.9$ billion to $\$ 20.2$ billion, or $84.7 \%$. The Teachers' Retirement Fund (TERF), with $\$ 10.9$ billion under management at June 30, 2004, is the largest participating fund, followed by the State Employees' Retirement Fund (SERF) and the Municipal Employees' Retirement Fund (MERF) with $\$ 7.7$ billion and $\$ 1.3$ billion, respectively. During the fiscal year ended June 30, 2004, total annual investment returns, comprising interest income, dividends, securities lending income, and net realized and unrealized capital gains, net of Fund operating expenses, were $\$ 2.7$ billion. (See Figure 1-2.) This increase was offset by net pension payments of $\$ 827$ million, for a net increase in the Funds of $\$ 1.9$ billion.

## Organization/Staff Review

Under the supervision of a Chief Investment Officer, the Division executes and manages the investment programs of the pension and trust funds. The fifteen-member professional staff is responsible for: recommending asset allocation policy; recommending, monitoring, and reporting on the investment advisors retained to invest the State's pension and trust assets. In addition, PFM reviews the custodian accounting of plan assets to ensure that earnings are properly determined and properly distributed to each plan and trust in accordance with their pre-determined share. Through reports, analysis, and presentations to the Treasurer and the Investment Advisory Council, PFM staff members detail investment performance of the pension funds and trust assets. The Division's operations are conducted through three units: Investment Oversight, Accounting and Control, and Performance and Analysis. State Street Bank and Trust, as the custodian of record for the CRPTF retains physical custody of, safeguards, and provides record keeping services for plan assets under the supervision of PFM staff.

## Operating Expenses

The Division allocates all operating overhead directly to the earnings of the pension and trust fund assets under management. It is therefore incumbent upon the Division to manage assets in a cost-effective manner consistent with maximizing long-term returns.

## Fund Management

The Treasurer employs external advisors to invest each Fund. Advisors are selected based on asset class expertise, investment performance and style and are expected to comply with the parameters, guidelines, and restrictions set forth in the Investment Policy Statement.

As of June 30, 2004, 74 external advisors were employed by the Treasury to invest the pension and trust assets, an increase of nine advisors from June 30, 2003. (See Figure 1-5.)

## Investment Policy

It is an immutable principle of pension fund management that the decision on how fund assets are allocated represents as much as 90\% of the resulting returns. In April 2002, the Investment Advisory Council approved the Investment Policy Statement ("IPS") including the asset allocation plan, which governs Fund investments today. The
asset allocation plan's main objective is to maximize investment returns over the long term at an acceptable level of risk, primarily through asset diversification. Risk, in this context, is defined as volatility of investment returns. (See the Understanding Investment Performance discussion in the Supplemental Section.)

Diversification across asset classes is a critical component in structuring portfolios to maximize return at a given level of risk. Likewise, asset allocation is used to minimize risk while seeking a specific level of return. In determining an asset allocation strategy, there is a careful examination of the expected risk/return tradeoffs, correlation of investment returns, and diversification benefits of the available asset classes (i.e., those not restricted by statute) under different economic scenarios.

As shown in Figure 1-3, the number and complexity of asset classes comprising the asset allocation policy have fluctuated during the last ten years. New asset classes have been introduced to diversify the pension and trust assets while changing economic environments have required different allocation strategies. As of June 30, 2004, multiple asset classes were included in the Investment Policy, including U.S. Equity, International Equity, U.S. Fixed Income, Equity Real Estate, and Alternative Investments.

At fiscal year-end, domestic and international equities comprised the largest asset allocation, at 58.3\%. Equities have an established record of maximizing investment returns over the long term. Fixed income and alternative investments were also included to allow the Fund both to leverage portfolio returns during highly inflationary or deflationary environments and to mitigate the effects of volatility in the stock market.

To realize the allocations set forth in the Asset Allocation Plan, the Division operates seven Combined Investment Funds ("CIF" or the "Funds") as a series of mutual funds in which the pension and trust funds may invest through the purchase of ownership interests. Each Fund is designed to replicate one or more of the six asset classes outlined in the Policy.

## Domestic Equity

Management of the equity portfolio uses both pure and enhanced indexing strategies, as well as active management. Enhanced indexing involves identifying, through market analysis and research, those securities in the index which are most likely to under-perform, and discarding them from the portfolio. This is achieved while maintaining industry weightings consistent with the overall index. The goal of enhanced indexing is to generate a return slightly in excess of the selected index. Indexing is a particularly appropriate strategy for the "large-cap" segment of the equity markets, which is defined as the securities of the largest capitalized public companies, typically comprising the major market indices. Significant research demonstrates that the U.S. equity markets, particularly the large-cap segment, are widely considered the world's most "efficient" markets, and therefore are the most difficult to "beat" with active investment management.

Within the "small- and mid-cap" sections of the equity markets, active management continues to allow pension funds the opportunity to achieve enhanced returns. Small- and mid-cap securities are issued by companies that are much smaller and not as closely monitored, researched or analyzed as the larger capitalization companies. Consequently, the small-cap segment of the U.S. equity market is less efficient. Certain active investment advisors are therefore more likely to outperform the markets over the long term, while earning an acceptable level of return per unit of risk. The Fund measures its performance against the Russell 3000 Index. During fiscal 2004, the Treasurer terminated one small/mid cap manager due to organizational and performance issues.

As currently structured, the domestic equity portfolio replicates the approximate capitalization of the market as a whole with $78 \%$ of the Fund invested in large-cap stocks and $22 \%$ in small/mid-cap stocks. Approximately $89 \%$ of the entire domestic equity portfolio adheres to an indexing or enhanced indexing strategy.

## International Equity

During fiscal year 2000, the structure of the International Stock Fund (ISF) was revised to reflect the long-term performance objectives of this asset class. It was determined that the Fund would consist of a series of externally managed equity portfolios which, in aggregate, are structured to achieve long-term performance consistent with nonU.S. equity markets and add diversification to the total portfolio. The ISF's hybrid benchmark is $83 \%$ of the Citigroup Europe Pacific Asia Composite Broad Market Index -50\%-hedged and 17\% of the Morgan Stanley Emerging Markets Free Index. During fiscal 2002, the Treasurer, with the endorsement of the Investment Advisory Council selected 12 advisors to manage six mandates established as a result of the ISF structure review. At fiscal year end, the implementation was completed.

The ISF performance objective is to outperform the hybrid benchmark net of management fees by 100 basis points per annum over rolling five-year time periods.

## Fixed Income

The Mutual Fixed Income Fund (MFIF) serves as an investment tool for the Pension and Trust Funds with the goal of reducing volatility in Fund returns under various economic scenarios. During periods of low inflation, fixed income investments may enhance the overall performance of the Pension and Trust Funds, while in times of moderate inflation and high nominal interest rates, these investments may contribute investment returns. During fiscal year 2003, the Office of the Treasurer completed a structure review for the Fund as part of its continuing implementation of the Asset Allocation Policy and strategy for the Mutual Fixed Income Fund. The new benchmark is a hybrid comprising 73\% Lehman Brothers U. S. Aggregate Index (LB Aggregate), 17\% Citigroup High Yield Market Index, and 10\% JP Morgan Emerging Markets Bond Index (JP EMBI+), and the Fund's goal is to exceed the return of the hybrid index by 65-135 basis points per annum over rolling five-year periods.

The target fixed income structure includes: passive core fixed income (20\%), active core fixed income (50\%), inflation linked bonds (3\%), high yield (16\%), and emerging market debt ( $10 \%$ ). Implementation is in process.

## Real Estate and Private Equity Investments

The strategic asset allocation established a $5 \%$ target for the real estate asset class and $11 \%$ for private equity. The Real Estate Fund (REF) is an externally managed fund that invests in real estate properties and mortgages. It serves as a long-term investment tool for the pension funds and is designed to dampen volatility of overall returns through diversification and to provide long-term rates of return similar to the Mutual Equity Fund. During fiscal 2004, following the Fund's development of Asset Class Guidelines for Real Estate, the Fund completed the real estate strategic review and investment pacing plan. This initiative also included the development of due diligence procedures for real estate investing. The Private Investment Fund (PIF) investments are in externally managed limited partnerships that focus on private equity investments. Private equity investments include the following: venture capital funds (focusing on start-ups, early and expansion stage); mezzanine funds (investing in equity and debt instruments of established companies); buy-out and acquisition funds (which make controlling and non-controlling investments in established companies); special situation funds; and specialized or special purpose fund of funds focusing on, for example, venture capital partnerships too small to be otherwise appropriate for PIF. It is anticipated that, as these markets evolve through future economic cycles, the policies and procedures within the IPS will adjust to these movements.

## Securities Lending

The Treasury maintains a securities lending program for the Combined Investment Funds designed to enhance investment returns. This program involves the lending of securities to broker/dealers secured by collateral valued slightly in excess of the market value of the loaned securities. Typically, the loaned securities are used by broker/dealers as collateral for repurchase agreements and other structured investment products, as well as to cover short sales, customer defaults, dividend recapture, and arbitrage trades. To mitigate the risks of securities lending transactions, the master custodian carefully monitors the credit ratings of each counter-party and overall collateral level. Collateral held is marked-to-market on a daily basis to ensure adequate coverage.

State Street Bank and Trust Company, the current master custodian for the Funds, is responsible for marketing the program, lending the securities, and obtaining adequate collateral. For the year ended June 30, 2004, securities with a market value of approximately $\$ 2.1$ billion had been loaned against collateral of approximately $\$ 2.2$ billion. Income generated by securities lending totaled $\$ 6.6$ million for the fiscal year.

## The Year in Review

## Total Fund Performance

During the fiscal year ended June 30, 2004, the State of Connecticut Retirement Plans and Trust Funds (CRPTF) achieved an annual total return of $15.23 \%$, net of expenses, which was 104 basis points behind the benchmark return of $16.27 \%$. For the three and five year periods the Fund achieved a 3.40\% and 3.79\% annualized return outperforming the benchmark returns of $2.92 \%$ and $1.87 \%$ by 48 and 192 basis points respectively.

During the fiscal year, the value of CRPTF's portfolio increased from $\$ 18.3$ billion to $\$ 20.2$ billion. The $\$ 1.9$ billion increase was primarily due to net realized gain (loss) on investments, which was partially offset by negative operating cash flow. Net unit holders' contributions created inflows of $\$ 196$ million, which were offset by pension payments to beneficiaries of $\$ 1.023$ billion, for a net outflow of $\$ 827$ million. Funds from operations were comprised of net investment income of $\$ 897$ million, realized gains of $\$ 914$ million and unrealized appreciation of approximately $\$ 904$ million.

For the fiscal year, the CRPTF's performance relative to the total fund benchmark was largely attributable to asset allocation differences relative to the Total Fund benchmark, which detracted from returns for the fiscal year. However, the portfolio benefited from positive manager performance in Private Investment Fund (PIF), Core Fixed Income and Developed International Equity.

For the Fiscal Year ending June 30, 2004, market volatility persisted as robust gains in the equity markets were tempered by continued geo-political uncertainty in Iraq and record high oil prices. The U.S. economy generally exceeded most forecasts, growing approximately 5\%, its highest annual growth rate since 1984. Corporate profits have recovered during the last 12 months and are at record levels, resulting in a surge in employment growth during the second quarter of calendar year 2004. In a much anticipated move, the Federal Open Market Committee raised the overnight lending rate to $1.25 \%$ on June 30,2004 , which was the first rate increase in four years

Driven by the improving macroeconomic landscape, the U.S. equity market experienced four consecutive quarters of positive returns. The fourth quarter of calendar year 2003 was particularly strong as improved macroeconomic data and corporate earnings data showed performance well ahead of expectations. All broad U.S. equity indices returned double digit gains for fiscal year 2004 - a remarkable contrast to the negative returns of the prior two fiscal years. The broad market Russell 3000 Index gained 20.5\% in the fiscal year ending June 30, 2004. Within the asset class, small cap stocks fared better than their large-cap and mid-cap counterparts, gaining 33.4\% over the fiscal year versus 19.5\% and 29.4\%, respectively (as measured by the Russell indices). In terms of investment style, value stocks significantly outperformed growth stocks across the capitalization spectrum. The Mutual Equity Fund (MEF) outperformed its index (Russell 3000) by 38 basis points.

International economies experienced a recovery during fiscal year 2004. Global equity markets posted double digit gains during this time period. The Citigroup EPAC BMI Index, a broad measure of international equity markets, advanced $34.3 \%$ in U.S. dollar terms. Over the fiscal year, the dollar depreciated against a basket of foreign currencies, helping the performance of hedged mandates. In terms of style, international value stocks beat their growth counterparts, and small caps outpaced large caps. The emerging markets were very strong throughout the first three quarters of the fiscal year. However, they began to decline during the final quarter of the fiscal year. Despite this retraction, the MSCI EMF Index returned 33.5\% during the year. Brazil, Turkey, and China contributed to the index gains as each benefited from a global recovery. CRPTF's International Stock Fund essentially matched its benchmark return of 29.7\%. The International Stock Fund benchmark is comprised of 83\% Citigroup EPAC BMI Index 50\% Hedged Index, and 17\% MSCI Emerging Markets Free Index.

The fixed income markets displayed the weakest performance, earning $0.3 \%$ for the fiscal year, as measured by the Lehman Brothers U. S. Aggregate Index. The U.S. fixed income markets experienced a volatile market environment as the economy outlooks shifted from deflationary to inflationary. During the fiscal year, the yield curve steepened, with the short to intermediate-term sectors experiencing the largest impact. To facilitate growth, the Federal Reserve held the Federal Funds rate at 1\% for most of the fiscal year. Amidst rising inflation, rates were raised to $1.25 \%$ in June 2004. An increased investor appetite for yield caused the high yield and the emerging markets debt sectors to be the strongest performers within the fixed income markets during the fiscal year. In contrast, U.S Treasuries and Agency securities fell out of favor and were the worst performing sectors during the year. The U.S. high yield market increased 10.4\%, as measured by the Citigroup High Yield Market Index. In addition, emerging market bonds posted a positive performance of $4.8 \%$ according to the J.P. Morgan EMBI+ Index. The Latin America portion of the index added to returns for the majority of the year as this region experienced improving political and economical fundamentals. For the fiscal year, the Mutual Fixed Income Fund outperformed its composite benchmark by 35 basis points, driven primarily by positive manager performance. Four out of the five core/core plus managers outperformed the LB Aggregate, and two of the three high yield managers outperformed their respective benchmarks, for the fiscal year. The depth of manager value added allowed the MFIF to outperform despite a negative impact due to asset allocation differences versus the benchmark. Specifically, the MFIF's underweight to emerging markets debt (which is included in the composite benchmark) was detrimental as emerging markets debt significantly outperformed core fixed income during the fiscal year. The Mutual Fixed Income benchmark, consist-
ing of 73\% Lehman Brothers Aggregate Index (LBA), 17\% Salomon High Yield Market Index, and 10\% JPM Emerging Markets Bond Index, posted a return of 2.4\% for fiscal year 2004.

The Private Investment Fund underperformed Venture Economics All Private Equity (One Quarter Lag) Index by 128 basis points. The overall net return was 20.2\%. The private equity markets displayed signs of improvement in comparison to the last two years. An expanding initial public offering market coupled with higher expected returns benefited performance for the fiscal year. The Real Estate Fund underperformed its benchmark by 904 basis points with a return of $0.7 \%$ versus the benchmark return of $9.7 \%$. Because these investment classes are illiquid and highly structured, short-term performance is not always indicative of long-term expectations from the asset class, with the ultimate returns evident only upon realization of all investment gains.

While volatility in investment returns is expected in the short-term, the Treasurer's long-term performance with respect to managing the Pension and Trust assets is most important. The CRPTF generated compounded net annual total returns of $3.40 \%, 3.79 \%$, and $9.20 \%$ over the last three-, five-, and ten-year periods, respectively. The Funds continued to be well diversified given the long-term risk/return objectives, while adhering to established investment guidelines.

The overall return of the CRPTF is measured against the Total Fund Benchmark, which is a hybrid benchmark customized to reflect the CRPTF's asset allocation and performance objectives. This benchmark is comprised of 36\% Russell 3000 Index; 18\% International Stock Fund benchmark; 29\% Mutual Fixed Income benchmark; 5\% Russell 3000 Index; 11\% S\&P 500 Index; and 1\% MFR First Tier Rated Index. The International Stock Fund benchmark is comprised of $83 \%$ Citigroup Europe, Pacific, Asia Composite Broad Market Index (50\% Hedged) and $17 \%$ MSCI Emerging Market Free Index. The Mutual Fixed Income benchmark consists of $73 \%$ Lehman Brothers U. S. Aggregate Index, 17\% S\&P/Citigroup High Yield Market Index, and 10\% JPM Emerging Markets Bond Index.

## 2004 Division Performance and Management Initiatives

In accordance with Public Act 00-43, the Treasurer is required to adopt, and the IAC approve, an Investment Policy statement for the State of Connecticut Retirement Plans and Trust Funds. During fiscal year 2002 the Treasury completed the CRPTF's first comprehensive Investment Policy Statement (IPS) as a result of the Treasury Reform Law. The IPS sets forth the policies and procedures which govern the structuring and investing of the pension and Trust Funds. State statute prescribes the required elements of the IPS, but the IPS extends beyond what is required by State statutes in its level of detail. The IPS represents the asset allocation plan for CRPTF; describes the level of risk that the CRPTF is willing to take in its investment strategy; describes the asset classes that the CRPTF is authorized to invest in, as well as aspects of the individual asset classes and the ranges within each asset class; and describes each of the plans and trusts that the Treasurer's Office manages on behalf of the CRPTF's participants and beneficiaries. Since the adoption of the IPS on March 13, 2002 there have been several updates to the IPS. Article VI - Use of Derivatives Guidelines changes were approved by the IAC and adopted by the Treasurer on December 10, 2003. Article III - Asset Class Guidelines - International Stock Fund Guidelines changes were approved by the IAC and adopted by the Treasurer on October 23, 2003. Article IV - Asset Class Guidelines - Mutual Fixed Income Fund Guidelines changes were approved by the IAC and adopted by the Treasurer on January 10, 2003. Article VI - Asset Class Guidelines - Real Estate Fund Guidelines changes were approved by the IAC and adopted by the Treasurer on September 12, 2003.

Copies of the Connecticut pension fund's Investment Policy Statement are available for review and downloading at the State Treasurer's web site: http://www.state.ct.us/ott.

During the fiscal year the Office of the Treasurer completed contract negotiations with 11 new advisors for the International Stock Fund. This included transiting and implementing the new investment mandates as outlined in the International Stock Fund guidelines. In addition, the Office of the Treasurer completed contract negotiations and implementation with two advisors for the currency overlay mandate, after the IAC reviewed and endorsed those managers.

Also during the fiscal year, following the IAC's approval and the Treasurer's adoption of the guidelines for the Mutual Fixed Income Fund ("MFIF") and issuing RFP's for Emerging Market Debt and Inflation-Linked Bond mandates, the Office of the Treasurer selected and entered into contract negotiations with six new advisors.

The Treasurer also initiated a required review by all fund managers of investments held in companies doing business in countries that have been designated by the U.S. Department of State as sponsoring terrorist activities.

Finally, the Treasurer with the unanimous support of Connecticut's Investment Advisory Council announced the formation of the Connecticut Horizon Fund (CHF). This initiative is intended to diversify the management of the State's pension fund while providing opportunities for investment firms owned by Connecticut-based and emerging firms, as well as firms owned by women and minorities, to compete for a share of Treasury investment business. The goal of the CHF is to enhance portfolio returns through innovations, while nurturing the next generation of investment ideas. Implementation of this initiative is expected to be completed during the next fiscal year.

## Proxy Voting

During 1999 and 2000, the Treasury developed comprehensive proxy voting policies for both domestic and global proxy voting. These policies were endorsed by the state's Investment Advisory Council (IAC), and now serve as the policy framework for shareholder decisions. As required by the Treasury Reform legislation enacted in 2000 the Proxy Voting Policies have been incorporated into the Investment Policy Statement. Connecticut law requires the Treasurer to consider the economic, social and environmental impact of investment decisions. In addition, state law prohibits investments in companies doing business in Northern Ireland that have not implemented the MacBride Principles of fair employment. Similar statutory prohibitions exist for investing in companies conducting business with Iran counter to U.S. foreign policy.

The corporate governance program launched in fiscal year 2000, marked Connecticut's re-emergence - for the first time in five years - as an active, responsible institutional investor, with the most comprehensive series of proxy voting policies in the state's history.

Connecticut's shareholders activities includes both exercising proxy voting responsibility and taking steps such as filing shareholder resolutions and supporting resolutions filed by other shareholders.

The shareholder program during 2004 included a number of critical areas:
Independence of the Board of Directors: The state pension fund's proxy voting policies call for a majority of the board to consist of independent directors and the key board committees - the audit, compensation and nominating committees - to consist completely of outside, independent directors. In 2002 this policy was adopted by the New York Stock Exchange (NYSE) and approached by the Securities and Exchange Commission as a requirement for all companies whose stock trades on the NYSE. The CRPTF definition of independence, however, is more strict than that of the NYSE.

Electing Board Members: The policies support annual election of all members of the board of directors. The policies also set criteria for withholding votes from members of the board under certain conditions, such as when there are conflicts of interest, poor performance of the individual or the company, continued non-compliance with independence standards, not responding to majority votes, etc.

Executive Compensation: The policies support compensating executives at a reasonable rate and that executive compensation should be tied to long term performance.

Global Working Conditions: The policies support vendor and supplier compliance with the international labor standards and core human rights.

Board Diversity: The proxy voting policies support board diversity as a key factor in deciding whether to support the election of board members. Board diversity ensures that members who serve on boards are drawn from the broadest pool of talent and expertise.

Environment: The policies support protecting the environment while helping improve the long term financial performance of a company, particularly limiting greenhouse gas omissions.

During FY 2003-2004 the CRPTF engaged with over 40 companies - ranging from writing letters, to filing shareholder resolutions, appearing at annual meetings, holding discussions with management, and meeting with members of the board of directors. This year the Treasurer also co-chaired an investor summit on climate change at the United Nations, testified before Congress several times, addressed the Securities and Ex-
change Commission, and met with the board and both the interim and current CEO of the New York Stock Exchange. The treasury also worked together with numerous other investors representing public pension funds, labor funds, socially responsible investors and faith based investors.

Among the program's noteworthy successes during the year included issues such as reporting on climate risk, board independence, annual election of all directors, expensing of stock options, board member diversity, and global labor standards, CRPTF filed and co-filed a total of 20 shareholder resolutions this proxy season on critical corporate governance issues, of those 6 were withdrawn due to settlements with the company, four were omitted by the SEC for technical reasons, and 12 were considered by shareholders of major corporations. Two resolutions received a majority of shareholder votes - one of which called for the company to elect all directors annually and the other on Executive compensation.

Among this year's highlights were:

- At American Electric Power, Treasurer Nappier reached an historic agreement in which the company agreed to have a committee of independent board members assess actions the company is taking to mitigate climate risk.
- Treasurer Nappier continued her engagement with Disney which began in 2002 on the issue of auditor independence. In December 2003 the Treasurer withdrew a shareholder resolution calling for more board independence after significant changes in the board membership and receiving personal assurances from George Mitchell (now chairman of the board), on other corporate governance issues. In May 2004 Treasurer Nappier joined other public pension leaders in a meeting with members of the Disney board of directors.
- At Jones Apparel a shareholder resolution on global labor standards was withdrawn when the company agreed to further discussions on reporting to shareholders on compliance with their code of conduct.
- At American Power Conversion, the CRPTF filed a board diversity resolution for the third consecutive year, and withdrew it this year when a woman was appointed to a previously all white male board, and several changes were made in the company's board recruitment procedures.
- On the issue of annual election of all members of the Board of Directors, Reebok agreed to implement this policy after the CRPTF 2003 resolution received a majority vote, SBC agreed to implement this policy after the CRPTF filed a resolution in 2004, and at Stanley Works, the CRPTF resolution received a majority vote for the second year in a row - receiving 72\% of the vote.
- At Peoplesoft, CRPTF co-filed a resolution with AFSCME requesting the company to expense stock options and received a majority vote.

As principal fiduciary of the fund, Treasurer Nappier approaches shareholder ownership as a prudent longterm investor. Through shareholder advocacy, the pension fund seeks to ensure that companies in which the pension fund invests adopt corporate governance reforms and corporate citizenship practices consistent with the fund's proxy voting guidelines and in accordance with Connecticut law. Corporate governance activity under Treasurer Nappier also includes providing input to regulatory agencies on policy matters related to corporate governance and meeting with leading Connecticut companies that are important to the vitality of state's economy and in which the state pension fund is a shareholder.

Copies of the Connecticut pension fund's proxy voting policies and a report of proxy votes cast are available for review and download at the State Treasurer's web site: http://www.state.ct.us/OTT/proxyvoting.htm.

## Asset Recovery and Loss Prevention

In accordance with the policies of Treasurer Nappier, the Office of the Treasurer continues its aggressive approach to recovery of assets and loss prevention as a result of malfeasance, unethical actions and other factors. The activities for the Fiscal Year ended June 30, 2004 included a redesign of contract terms and conditions, renegotiation of contract terms, development of best practice contract terms, implementation of the enhancements to the proof of claim filing process, application to serve as lead plaintiff in class action litigation, continued encouragement of other institutional investor lead plaintiffs to aggressively negotiate reasonable legal fees and consideration of filing lawsuits.

## Class Action Securities Litigation

The Office of the Treasurer continues its close monitoring of opportunities to recover lost assets through active participation in class action litigation. The Office has implemented a new practice of review and monitoring of all class action cases filed. Notices are received via electronic mail of each case that is filed. The same vendor providing this service also furnishes information with respect to settlements, judgments, and other actions with respect to such litigation. The service assures the Office that we are participating in every case where assets have been lost.

The Office is actively participating as lead plaintiff in a national class action lawsuit alleging misconduct against JDS Uniphase and was named lead plaintiff in the Redback Network case. Settlement proceeds were distributed from the $\$ 457$ million in the Waste Management case where Connecticut served as lead plaintiff. The pension funds received $\$ 290,435$ from this settlement and more than $\$ 2.8$ million from class action settlements in FY 2004, the largest amount ever received in a fiscal year.

Believing that institutional investors are best equipped to manage and obtain the best results from class action securities litigation, Treasurer Nappier and her staff continue to participate in a number of forums to encourage the active participation of other institutional investors as lead plaintiffs in such litigation.

## Other Litigation

In February 2002, the Office of the Treasurer filed a civil action in Connecticut State Court against the private equity firm Forstmann Little and its partners, alleging breach of contract and breach of fiduciary duty. The case was tried before a jury in Connecticut Superior Court - Complex Litigation docket throughout the month of June 2004. The jury rendered a verdict on the $1^{\text {st }}$ of July 2004, determining that Forstmann Little had indeed breached its fiduciary duty to and the terms of its contract with the State of Connecticut. The jury further found that these breaches were in bad faith, grossly negligent or constituted willful misconduct. The jury did not, however, award damages, finding in favor of the Defendants' reliance on two special defenses. Confident that appealable error had occurred, Connecticut filed two motions with the trial court asking, in the alternative, that the judge award damages or grant a new trial. Although it did not occur during the Fiscal Year ended June 30, 2004, as of the date of this writing, the matter has been settled. On the $20^{\text {th }}$ of September 2004, Forstmann Little paid $\$ 15$ million to the Office of the Treasurer as settlement of all claims. This case was carefully watched nationally with regard to the responsibility of general partners to limited partners in the private equity sector.

The Office of the Treasurer is one of five (5) limited partner plaintiffs in a derivative action filed against the Philadelphia-based law firm Ballard Spahr Andrews \& Ingersoll LLP, alleging legal malpractice in the advice given to Keystone Venture V L.P., a private equity fund in which the CRPTF invested. The action, filed in the Philadelphia Court of Common Pleas, was necessary to obtain court approval of a negotiated settlement with the firm. The trial court did not approve the settlement and the defendants appealed the trial court's ruling to the Commonwealth Court.

Figure 1-1

| PENSION AND TRUST FUNDS Growth in Assets (\$ in millions) |  |
| :---: | :---: |
|  | Trusts <br> Other <br> Plans <br> MERF <br> SERF <br> TERF |

TERF - Teachers' Retirement Fund
SERF - State Employees Retirement Fund
MERF - Connecticut Municipal Employees' Retirement Fund

Figure 1-2


TERF - Teachers' Retirement Fund
SERF - State Employees Retirement Fund
MERF - Connecticut Municipal Employees' Retirement Fund

Figure 1-3


Figure 1-5
PENSION AND TRUST FUNDS Advisor Breakdown

|  | June 30, | June 30, |
| :--- | :---: | :---: |
| Fund | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 3}$ |
| MEF | 6 | 7 |
| ISF | 13 | 6 |
| PIF | 37 | 34 |
| MFIF | 8 | 9 |
| CMF | 1 | 1 |
| REF | 8 | 7 |
| CRA | 1 | 1 |
| Total $^{(1)}$ | 74 | 65 |
|  |  |  |

(1) Actual total advisors was 70 and 61, respectively when factoring in advisors across multiple funds.

Figure 1-7

## PENSION AND TRUST FUNDS

Annual Total Return


Figure 1-4

## PENSION AND TRUST FUNDS ASSET ALLOCATION

 Actual vs. Policy at June 30, 2004|  | Actual | Target Policy | Lower Range | Upper Range |
| :---: | :---: | :---: | :---: | :---: |
| U.S. EQUITY | 38.5\% | 36.0\% | 29.0\% | 43.0\% |
| Mutual Equity Fund (MEF) | 38.5\% |  |  |  |
| INTERNATIONAL EQUITY | 19.8\% | 18.0\% | 14.0\% | 22.0\% |
| International Stock Fund (ISF) | 19.8\% |  |  |  |
| EQUITY COMMERCIAL REAL ESTATE Real Estate Fund (REF) | E 1.8\% | 5.0\% | 4.0\% | 6.0\% |
|  | 1.8\% |  |  |  |
| U.S. FIXED INCOME | 31.0\% | 30.0\% | 26.0\% | 34.0\% |
| Mutual Fixed Income Fund (MFIF) ${ }^{(1)}$ | 29.0\% |  |  |  |
| Commercial Mortgage Fund (CMF) | 0.2\% |  |  |  |
| Cash Reserve Account (CRA) | 1.8\% |  |  |  |
| ALTERNATIVE INVESTMENTS | 8.9\% | 11.0\% | 6.0\% | 11.0\% |
| Private Investment Fund (PIF) | 8.9\% |  |  |  |
| TOTAL 1 | 100.0\% |  |  |  |

(1) MFIF's advisors are allowed to invest in non U.S. fixed income assets on an opportunistic basis.

Figure 1-6
PENSION AND TRUST FUNDS
Periods ending June 30, 2004

|  | 1 YR | 3 YRS | 5 YRS | 10 YRS |
| :---: | :---: | :---: | :---: | :---: |
| Compounded, Annual Total Return (\%) |  |  |  |  |
| CRPTF | 15.23 | 3.40 | 3.79 | 9.20 |
| CRPTF CMMI (Without |  |  |  |  |
| Objective) Benchmark | 16.27 | 2.92 | 1.87 | N/A |
| CRPTF CMMI (With |  |  |  |  |
| Objective) Benchmark | 17.79 | 4.28 | 3.26 | N/A |
| Cumulative Total Return (\%) |  |  |  |  |
| CRPTF | 15.23 | 10.55 | 20.46 | 141.02 |
| CRPTF CMMI (Without |  |  |  |  |
| Objective) Benchmark | 16.27 | 9.02 | 9.73 | N/A |
| CRPTF CMMI (With |  |  |  |  |
| Objective) Benchmark | 17.79 | 13.39 | 17.42 | N/A |

Figure 1-8
PENSION AND TRUST FUNDS
Annualized Standard Deviation


Figure 1-9
PENSION AND TRUST FUNDS
TUCS Ranking for Periods ending June 30, 2004

|  | 1 YR 3 YRS | 5 YRS 10 YRS |  |  |
| :--- | ---: | ---: | ---: | ---: |
| Public Funds >\$1 Billion |  |  |  |  |
| Percentile Return |  |  |  |  |
| 5th | 19.42 | 7.05 | 7.22 | 11.89 |
| 25th | 16.74 | 5.14 | 4.59 | 10.33 |
| 50th | 15.88 | 4.22 | 3.66 | 9.80 |
| 75th | 12.43 | 3.54 | 2.79 | 9.15 |
| 95th | 1.39 | 2.80 | 2.07 | 8.21 |
| CT Pension and Trust Funds |  |  |  |  |
| Return ${ }^{1}$ | 15.42 | 3.52 | 3.97 | 9.43 |
| Public Funds Ranking | 51 | 75 | 38 | 66 |
| Total Master Trusts Ranking | 55 | 65 | 45 | 71 |

Source: State Street Bank
(1) Gross Return

Figure 1-10
PENSION AND TRUST FUNDS
CRPTF Returns vs. Benchmarks at June 30, 2004

(1) Total Fund Benchmark: Inception through 9/30/99: 40\% Russell 3000, 15\% MSCI EAFE Net, 28\% LB Aggregate, 11\% Russell 3000 Private Equity Fund, 4\% NCREIF Property Index, 2\% IBC Rated Index. 10/1/99 to date: 36\% Russell 3000 Index, 18\% Int'l Stock Benchmark, 29\% Mutual Fixed Income Benchmark, 5\% Russell 3000 Index, 11\% S \& P 500 Index, 1\% MFR Rated Index.
(2) International Stock Fund Benchmark: 83\% CitiGroup EPAC BMI 50\% Hedged and 17\% MSCI Emerging Market Free.
(3) Mutual Fixed Income Benchmark: 73\% Lehman Aggreagte, 17\% S \& P/CitiGroup High Yield Market Index and 10\% J.P. Morgan Emerging Markets Bond Index.

Combined Investment Funds Total Return Analysis (\%)
Asset Class (\% of Total Fund at 6/30/04)
(Investment performance is calculated using a time-weighted rate of return.)
Total Fund (100.0\%)
Combined Investment Funds
Connecticut Multiple Market Index (Without Objective)
Connecticut Multiple Market Index (With Objective)
U.S. Stocks (38.5\%)

Mutual Equity Fund (38.5\%)
Russell 3000 Index
International Stocks (19.8\%)
International Stock Fund (19.8\%)
International Stock Fund Hybrid Benchmark
Equity Commercial Real Estate (1.8\%)
Real Estate Fund (1.8\%)
Russell NCREIF(1 Qtr. Lag)
U.S. Fixed Income (29.2\%)

Mutual Fixed Income Fund (29.0\%)
Fixed Income Fund Hybrid Benchmark
Commercial Mortgage Fund (0.2\%)
Lehman Aggregate Bond Index
Alternative Assets (8.9\%)
Private Investment Fund (8.9\%)
S \& P 500
Venture Economics All Private Equity (1 Qtr. Lag)
Cash (1.8\%)
Cash Reserve Account (1.8\%)
MFR First Tier Rated Inst. (Formally IBC Rated)

| Fiscal Years Ending June 30, |  |  |  |  | Annualized |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2004 | 2003 | 2002 | 2001 | 2000 | $\begin{gathered} 3 \\ \text { Years } \end{gathered}$ | $\begin{gathered} 5 \\ \text { Years } \end{gathered}$ | $\begin{gathered} 10 \\ \text { Years } \end{gathered}$ |
| 15.23\% | 2.49\% | (6.39)\% | (3.68)\% | 13.13\% | 3.40\% | 3.79\% | 9.20\% |
| 16.27 | 3.88 | (9.60) | (8.37) | 10.31 | 2.92 | 1.87 | N/A |
| 17.79 | 5.26 | (8.39) | (7.14) | 11.95 | 4.28 | 3.26 | N/A |
| 20.84 | 0.48 | (14.95) | (9.55) | 10.03 | 1.08 | 0.55 | 12.15 |
| 20.46 | 0.77 | (17.24) | (13.93) | 9.60 | 0.15 | (1.07) | 11.66 |
| 29.69 | (6.39) | (9.00) | (13.29) | 20.13 | 3.38 | 2.85 | 5.21 |
| 29.79 | (6.62) | (10.88) | (19.80) | 20.77 | 2.60 | 0.91 | 4.50 |
| 0.67 | 3.30 | 0.81 | 14.45 | 9.18 | 1.55 | 5.53 | 6.97 |
| 9.71 | 7.13 | 6.40 | 11.88 | 11.10 | 7.74 | 9.30 | 10.19 |
| 2.79 | 12.03 | 5.64 | 8.03 | 5.77 | 6.75 | 6.81 | 7.64 |
| 2.44 | 15.53 | 5.04 | 9.26 | 5.66 | 7.52 | 7.49 | 7.66 |
| 7.87 | 20.62 | 1.19 | 10.88 | 8.26 | 9.60 | 9.59 | 10.30 |
| 0.32 | 10.41 | 8.63 | 11.23 | 4.56 | 6.36 | 6.95 | 7.39 |
| 20.21 | (11.94) | (10.81) | (6.25) | 53.86 | (1.90) | 6.37 | 11.57 |
| 19.11 | 0.26 | (17.99) | (14.83) | 7.24 | (0.69) | (2.21) | 11.83 |
| 21.49 | (14.67) | (14.45) | (7.41) | 90.37 | (3.06) | 8.66 | 17.50 |
| 1.30 | 1.80 | 3.03 | 6.35 | 5.96 | 2.04 | 3.67 | 4.71 |
| 0.73 | 1.21 | 2.22 | 5.74 | 5.58 | 1.40 | 3.08 | 4.18 |

## 20 Qanve account

## Fund Facts at June 30, 2004

Investment Strategy/Goals: To serve as a cash managment tool for the pension and trust funds by investing in high quality, liquid money market securities.

Performance Objective: An annual total return in excess of the index.

Benchmark: MFR Index
Total Net Assets: \$1,399,805,734
Management Fees: \$313,350
Expense Ratio: 0.04\%

## Performance Summary

For the fiscal year ended June 30, 2004, the Cash Reserve Account (CRA) generated a return of 1.30\%, outperforming the benchmark MFR Rated Index of $0.73 \%$ by 57 basis points. The fund also outperformed the 90 day Treasury Bill Index return of $0.96 \%$ by 34 basis points.

The fund's compounded annual total return for the trailing three, five and ten year periods were 2.04\%, $3.67 \%$ and $4.71 \%$ respectively, net of all expenses. These returns exceed those of the fund's benchmark for these time periods by 64, 59 and 53 basis points respectively.

## Description of the Fund

The Cash Reserve Account (CRA) is a cash management pool investing primarily in high quality money market securities, Asset Backed Securities (ABS) and corporate bonds. It serves as a cash management tool for the pension, trust and Combined Investment Funds while also being considered a separate asset class of the fund providing a competitive return with the primary focus being preservation of capital with a high degree of liquidity.

CRA is managed as an enhanced cash strategy whereby the fund maintains a relatively short weighted average maturity through the purchase of fixed rate money market instruments such as Commercial Paper, Certificates of Deposit, Bank Notes and other cash equivalents. The fund also will invest in high quality, floating rate corporate bonds and Asset Backed Securities. The focus on floating rate product is primarily in maturities or average lives in excess of 13 months. By focusing on maturities in this range, CRA is able to take advantage of wider credit spreads than would otherwise be available to a typical money market fund. CRA also maintains an adequate amount of overnight liquidity in order to meet any unexpected withdrawals from the fund. The fund also maintains adequate back up liquidity in the form of highly liquid money market instruments in order to meet any cash needs over and above our overnight liquidity.

## Economic Review

The period began with the Fed Funds target lowered to 1.0\% in late June 2003 as the FOMC continued to respond to weak economic data as well as the lingering fear of deflation. The short end of the yield curve traded in a relatively tight range for the majority of the fiscal year as strong job creation failed to materialize despite very strong GDP growth during the second half of 2003. Most widely followed inflation indicators also continued to trend down despite the robust growth that the economy displayed during this period. This combination of anemic job growth and falling inflation led market participants to delay their expectations for any Fed tightening during the latter stages of 2003 and early 2004. Early in the new year it became evident that inflation had stopped falling and that job growth had become more substantial. The very strong March 2004 payroll report (+353K jobs) was well above estimates and served as a wake up call to fixed income investors that the Fed may need to raise administered interest rates sooner than they had previously believed. Payroll growth continued to show strength through the last quarter of the fiscal year with payroll gains averaging over 200,000 jobs per month during the first 6 months of 2004. During the period, the FOMC at first vowed to be "patient" in removing the very accommodative monetary policy that had been put in place. At the May meeting the FOMC
changed their wording to signal the removal of the accommodation at "a measured pace" in response to a clearly improving economy. Despite the Fed's belief that inflationary pressures remained well contained, the committee raised the Fed Funds target level by 25 basis points to $1.25 \%$ at their June meeting. The move was widely anticipated by market participants and the quarter came to a close with investors wondering just how high the Fed funds target had to go and how quickly it needed to get there.

## Portfolio Characteristics \& Strategy

The period began with the newly installed Fed funds target rate of 1.00\%, a historically low target rate. The Libor curve began the period with a spread of only 4 basis points between 1 and 12 month deposits as market participants were not convinced that the easing cycle had ended. In response to the flat curve, the fund focused on the purchase of high quality floating rate bonds. Floating rate bonds are an important part of the fund's strategy as they allow for significant yield pick up compared to money market instruments without taking on significant interest rate risk. CRA's floating rate exposure was increased from 45\% of assets to 59\% during the period. The fund held $16 \%$ in high quality corporate floaters and approximately $43 \%$ in AAA rated Asset backed securities. As it became clearer that the Fed's easing campaign had ended and the curve steepened somewhat, the fund extended its weighted average maturity to 60 days by the end of 2003. This was somewhat longer than its benchmarks' WAM of 51 days. During the last quarter of the fiscal year the Libor curve steepened dramatically as investors braced for the beginning of the Fed's campaign to raise rates to a more normalized level. In response, the fund's WAM was reduced to 48 days by the end of the fiscal year; in line with the benchmark's WAM of 46 days. The funds largest weightings at the end of the period were Asset Backed Securities (43\%), Certificates of Deposit (32\%) and floating rate corporate bonds (16\%). Moving forward, we expect to maintain a large allocation to floating rate bonds while looking for opportunities to extend duration through the purchase of fixed rate paper when we feel we are being adequately compensated for the risk of doing so. As always, preservation of the fund's capital, a high degree of liquidity and a strong focus on credit fundamentals will remain the focus of our investment philosophy.

## Risk Profile

Due to the short-term nature of CRA, it is generally considered to be low-risk. Consequently, returns that are realized by CRA may be significantly lower than those realized by funds with fixed income investments maturing over a longer time horizon. Similarly, the investments' short time horizon, along with the quality of the issuing entities, mitigates traditional concerns over interest rate, default and currency exchange risk.

Based on returns over the last five years, the Fund exhibited a similar degree of risk relative to the MFR Index, as evidenced by its relative volatility of 1.00. The standard deviation of the Fund of 0.14 suggests comparatively low overall volatility, while its beta of 0.81 indicates a high overall correlation to returns achieved by the Index. In the aggregate, CRA achieved a positive annual alpha, or return in excess of that predicted by returns of its benchmark of 0.59.

Figure 2-1


TERF - Teachers' Retirement Fund
SERF - State Employees Retirement Fund
MERF - Connecticut Municipal Employees' Retirement Fund CIF - Combined Investment Funds
Figure 2-3
CASH RESERVE ACCOUNT
Quarterly Weighted Average Maturity

| Quarter End | CRA | MFR Index |
| :--- | :--- | :--- |
| $06 / 30 / 2004$ | 48 days | 46 days |
| $03 / 31 / 2004$ | 70 days | 51 days |
| 12/31/2003 | 60 days | 51 days |
| 09/30/2003 | 74 days | 52 days |
| $06 / 30 / 2003$ | 48 days | 50 days |

Figure 2-5
CASH RESERVE ACCOUNT
Distribution by Yield ${ }^{(1)}$ at June 30,2004

| Yield |  |
| :---: | ---: |
| $.75 \%-1.00 \%$ | $0.0 \%$ |
| $1.01 \%-1.25 \%$ | $36.5 \%$ |
| $1.26 \%-1.50 \%$ | $50.6 \%$ |
| $1.51 \%-1.75 \%$ | $12.9 \%$ |
| $1.76 \%-2.00 \%$ | $0.0 \%$ |
| $2.00+\%$ | $0.0 \%$ |
| TOTAL | $100.0 \%$ |

(1) Represents yield to maturity.

Figure 2-2
CASH RESERVE ACCOUNT
Risk Profile at June 30, 2004

| Relative Volatility | 1.00 |
| :--- | :--- |
| Standard Deviation | 0.14 |
| $\mathrm{R}^{2}$ | 0.87 |
| Beta | 0.81 |
| Alpha | 0.59 |

(1) Based upon returns over the last five years.

Figure 2-4

## CASH RESERVE ACCOUNT

Security Maturity ${ }^{(1)}$ Analysis at June 30, 2004

(1) Or Interest Rate Reset Period.

Figure 2-6
CASH RESERVE ACCOUNT
Distribution by Security Type at June 30, 2004


Figure 2-7

| CASHRESERVE ACCOUNT Comprehensive Profile |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Date | Number of Issues | Yield ${ }^{(1)}$ | Average Maturity | Average Quality |
| 2004 | 92 | 1.30\% | 48 days | A-1+/AA+ |
| 2003 | 109 | 1.80\% | 48 days | A-1+/AA+ |
| 2002 | 104 | 3.03\% | 51 days | A-1+/AA + |
| 2001 | 90 | 6.35\% | 65 days | A-1+/AA + |
| 2000 | 109 | 5.96\% | 81 days | A-1+/AA+ |
| 1999 | 102 | 5.46\% | 67 days | A-1+/AA+ |
| 1998 | 81 | 5.86\% | 60 days | A-1+/AA + |
| 1997 | 53 | 5.70\% | 71 days | A-1+/ AA + |
| 1996 | 46 | 5.90\% | 50 days | A-1+/ AAA |
| 1995 | 48 | 5.83\% | 32 days | TBW-1/ AAA |

(1) Represents annual total return of the Fund for year ended June 30.

Figure 2-9
CASH RESERVE ACCOUNT
Periods ending June 30, 2004

|  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
|  | 1 YR | 3 YRS | 5 YRS 10 YRS |  |
|  |  |  |  |  |
| Compounded, Annual Total Return (\%) |  |  |  |  |
| CRA | 1.30 | 2.04 | 3.67 | 4.71 |
| MFR Index | 0.73 | 1.40 | 3.08 | 4.18 |
| CPI-Urban | 3.27 | 2.15 | 2.68 | 2.51 |
| CitiGroup 90-Day CD | 1.12 | 1.76 | 3.47 | 4.58 |
| CitiGroup 90-Day T-Bill | 0.96 | 1.61 | 3.14 | 4.16 |
|  |  |  |  |  |
| Cumulative Total Return | $(\%)$ |  |  |  |
| CRA | 1.30 | 6.24 | 19.73 | 58.38 |
| MFR Index | 0.73 | 4.24 | 16.36 | 50.67 |
| CPI-Urban | 3.27 | 6.58 | 14.16 | 28.19 |
| CitiGroup 90-Day CD | 1.12 | 5.37 | 18.62 | 56.45 |
| CitiGroup 90-Day T-Bill | 0.96 | 4.90 | 16.69 | 50.33 |

Figure 2-8

| CASH RESERVE ACCOUNT |
| :--- |
| Quarterly Yield ${ }^{(1)}$ Analysis |


| Quarter End | CRA | MFR Index |
| :--- | :--- | :---: |
| $06 / 30 / 2004$ | $1.38 \%$ | $0.75 \%$ |
| $03 / 31 / 2004$ | $1.20 \%$ | $0.74 \%$ |
| $12 / 31 / 2003$ | $1.20 \%$ | $0.75 \%$ |
| $09 / 30 / 2003$ | $1.30 \%$ | $0.75 \%$ |
| $06 / 30 / 2003$ | $1.32 \%$ | $0.95 \%$ |

(1) An annualized historical yield based on the preceding month's level of income earned by the Fund.

Figure 2-10

(1) Or Interest Rate Reset Period.

## 20004fiy tund

## Fund Facts at June 30, 2004

Investment Strategy/Goals: To participate in the growth of the U. S. economy through the ownership of domestic equity securities.

Performance Objective: An annual total return which is one percentage point greater than that of the Russell 3000 after expenses.

Benchmark: Russell 3000 Index
Total Net Assets: \$7,781,058,792
Management Fees: \$6,459,864
Expense Ratio: 0.11\%

Date of Inception: July 1, 1972
Number of Advisors: 6 external
Operating Expenses: \$1,238,039
Turnover: 52.7\%

## Performance Summary

For the fiscal year ended June 30, 2004, the Mutual Equity Fund (MEF) generated a positive return of 20.84\%, net of fees, which outperformed the Russell 3000 index benchmark return of $20.46 \%$ by 38 basis points. Beneficial risk factors and positive industry selection were the main contributors to performance over the fiscal year. A modest small cap tilt and an underweight to high-dividend paying stocks enabled the Fund to outperform its benchmark over the fiscal year. In addition, an underweight to consumer cyclicals helped returns. During this same period, MEF's net assets grew from $\$ 6.598$ billion to $\$ 7.781$ billion, an increase of $\$ 1.183$ billion. Of this net total change, $\$ 1.356$ billion was due to unrealized capital gains and net investment income including realized gains, partly offset by $\$ 173$ million in net cash outflows to participating pension plans and trusts.

While volatility in investment returns is expected in the short-term, the Fund's long-term performance remains the most important comparative measure. As Figure $3-4$ below illustrates, MEF has generated annualized total returns, net of fees, of $1.08 \%, 0.55 \%$, and $12.15 \%$ over the last three, five, and ten-year periods, respectively. The Fund returns outperformed the Russell 3000 for the three, five, and ten-years periods by 93,162 , and 49 basis points, respectively.

The MEF's cumulative total returns for the three, five, and ten year periods ending June 30, 2004, were $3.28 \%, 2.78 \%$, and $214.65 \%$, respectively.

## Description of the Fund

The Mutual Equity Fund (MEF) is an externally managed fund investing in domestic equity securities. It serves as an investment vehicle for the Pension and Trust Funds with the goal of earning prudent returns while participating in the growth of the U.S. economy.

MEF's performance objective is an annual total return, net of management fees and Division operating expenses, which exceeds that of the Russell 3000 Index by 100 basis points per annum. The Russell 3000 Index is a broad stock market index of the securities from the largest 3,000 publicly traded U.S. companies.

At the close of the fiscal year, MEF consisted of six externally managed equity portfolios structured to approximate the composition of the Russell 3000 Index. Two advisors actively managed approximately 10\% of the portfolio in small to mid-capitalization stocks. Two advisors invested a total of $12 \%$ of the portfolio in small to mid-capitalization stocks using an enhanced indexing strategy. Two advisors in large capitalization stocks (of which 43\% was invested using enhanced indexing strategies and 35\% was invested using a passive strategy) managed the balance of the portfolio, or approximately 78\%. At fiscal year end, approximately $\$ 7.0$ billion, or $90 \%$, of the Fund's net assets were invested in indexed or enhanced index portfolios.

## Portfolio Characteristics

At fiscal year-end, MEF was 99.0\% invested in domestic stocks, reflecting the Fund's policy that it be fully invested. The largest industry weighting at June 30, 2004 was financials (18.8\%), followed by technology (16.3\%) and health care (15.5\%). (See figure 3-3.)

The MEF's ten largest holdings, aggregating to $17.5 \%$ of Fund investments, included a variety of blue chip companies. (See figure 3-9.)

## Risk Profile

Based on returns over the last five years, the Fund has exhibited a similar degree of risk as that of its benchmark, the Russell 3000 Index. With a relative volatility of 0.99 , the MEF's returns have almost equal volatility to those of the Index and reflect a strong degree of correlation, 0.99 , to those of the Index. MEF's annual excess return during the five year period, or return relative to that achieved by the benchmark, was a positive 1.63\%. (See figure 3-2)

Figure 3-1


TERF - Teachers' Retirement Fund
SERF - State Employees Retirement Fund
MERF - Connecticut Municipal Employees' Retirement Fund
Figure 3-3

## MUTUAL EQUITY FUND

Fiscal 2004 Industrial Sector vs. Index (\%)
Based on Investments in Securities, at Value ${ }^{(1)}$

| At 6/30/2004: | MEF |  | Russel 3000 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | \% of Net Assets | Annual Return | \%of Net Assets | Annual Return |
| Energy | 6.0 | 38.4 | 5.6 | 32.9 |
| Materials | 3.2 | 47.9 | 2.9 | 34.5 |
| Industrials | 11.3 | 27.5 | 11.1 | 27.6 |
| Consumer Discretionary | 14.8 | 16.6 | 13.8 | 16.3 |
| Consumer Staples | 8.2 | 24.8 | 8.0 | 21.6 |
| Health Care | 15.5 | 12.9 | 15.4 | 9.6 |
| Financials | 18.8 | 19.6 | 21.4 | 21.1 |
| Information Technology | 16.3 | 23.4 | 15.0 | 26.5 |
| Telecomm Services | 3.3 | 7.4 | 3.5 | 6.6 |
| Utilities | 2.6 | 12.7 | 3.3 | 13.2 |
|  | $\overline{100.0}$ |  | $\overline{100.0}$ |  |

Figure 3-2
MUTUAL EQUITY FUND ${ }^{(1)}$
Risk Profile at June 30, 2004

| Relative Volatility | 0.99 |
| :--- | ---: |
| Standard Deviation | 16.63 |
| $\mathrm{R}^{2}$ | 0.99 |
| Beta | 0.98 |
| Alpha | 1.63 |

(1) Based upon returns over the last five years.

Figure 3-4


[^0]Figure 3-5
MUTUAL EQUITY FUND
Annual Total Return


Figure 3-6
MUTUAL EQUITY FUND Components of Total Return (\$ in millions)


Figure 3-7

| MUTUALEQUITY FUND Comprehensive Profile |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2004 |  | 2003 |  | 2002 |  | 2001 |  | 2000 |  |
|  | MEF | Russell | MEF | Russell | MEF | Russell | MEF | Russell | MEF | Russell |
| \# of Issues | 2,114 | 3,000 | 2,119 | 3,000 | 2,274 | 3,000 | 2,333 | 3,000 | 2,325 | 3,000 |
| Cap (\$ Bil) | \$70.0 | \$74.6 | \$65.1 | \$71.7 | \$66.8 | \$70.2 | \$87.7 | \$94.9 | \$118.2 | \$121.3 |
| PIE | 22.0 | 22.5 | 23.2 | 23.9 | 29.3 | 30.4 | 24.1 | 26.3 | 26.8x | 30.2x |
| Div Yield | 1.50\% | 1.60\% | 1.50\% | 1.70\% | 1.50\% | 1.60\% | 1.20\% | 1.30\% | 1.10\% | 1.10\% |
| ROE | 16.7\% | 16.7\% | 16.0\% | 16.2\% | 15.5\% | 16.4\% | 20.0\% | 20.9\% | 19.4\% | 20.5\% |
| P/B | 3.9x | 4.0x | 3.9x | 4.0x | 4.2 x | 4.3 x | 5.3x | 5.5 x | 9.8 x | 10.7x |
| Cash \& Equiv. | 0.8\% | 0.0\% | 1.1\% | 0.0\% | 1.2\% | 0.0\% | 1.3\% | 0.0\% | 0.9\% | 0.0\% |

Figure 3-8

## MUTUAL EQUITY FUND

Investment Advisors at June 30, 2004

|  | Net Asset | $\%$ of |
| :--- | ---: | ---: |
| Investment Advisor | Value | Fund |
| Large Cap | $\mathbf{\$ 6 4 7 , 8 6 8 , 6 5 7}$ | $\mathbf{7 7 . 7 3 \%}$ |
| (Passive Enhanced) |  |  |
| BGI Barclays Global Investors, N.A. | $3,313,814,636$ | $42.59 \%$ |
| (Passive Indexed) |  |  |
| State Street Global Advisors | $2,734,054,021$ | $35.14 \%$ |
| Small/Mid Cap (Passive Enhanced) | $\mathbf{9 0 7 , 5 2 0 , 8 3 5}$ | $\mathbf{1 1 . 6 6 \%}$ |
| AXA Rosenberg Investment Management | $494,716,854$ | $6.36 \%$ |
| SSB Citigroup (The Travelers) | $412,803,981$ | $5.30 \%$ |
| Small/Mid Cap (Active) | $\mathbf{8 0 7 , 7 1 5 , 9 3 3}$ | $\mathbf{1 0 . 3 8 \%}$ |
| TCW Cowen Asset Management | $\mathbf{4 5 9 , 9 4 6 , 7 5 9}$ | $5.91 \%$ |
| Brown Capital Management, Inc. | $\mathbf{3 4 7 , 7 6 9 , 1 7 4}$ | $4.47 \%$ |
| Other ${ }^{(1)}$ | $\mathbf{1 7 , 9 5 3 , 3 6 7}$ | $\mathbf{0 . 2 3 \%}$ |
| TOTAL MEF | $\mathbf{\$ 7 , 7 8 1 , 0 5 8 , 7 9 2}$ | $\mathbf{1 0 0 . 0 0 \%}$ |
|  |  |  |

(1) Other represents funds earmarked for distribution to participants, reinvestment, and expenses.

Figure 3-9

| MUTUAL EQUITY FUND |
| :--- |
| Ten Largest Holdings at June 30, 2004 |
| Security Name Sector Market Value $\%$ <br> CitiGroup Inc Financial $169,363,323$ $2.18 \%$ <br> General Electric Technology $160,959,442$ $2.07 \%$ <br> Pfizer Inc Health Care $160,708,239$ $2.07 \%$ <br> Microsoft Technology $140,900,646$ $1.81 \%$ <br> Intel Corp Technology $133,227,822$ $1.71 \%$ <br> Exxon Mobil Corp Energy $132,523,970$ $1.70 \%$ <br> Bank America Corp Financial $132,356,934$ $1.70 \%$ <br> Johnson \& Johnson Health Care $127,384,340$ $1.64 \%$ <br> Int. Business Machines Technology $101,121,361$ $1.30 \%$ <br> Wal Mart Stores Inc Non-Durables $98,627,486$ $1.27 \%$ <br> Top Ten  $\mathbf{1 , 3 5 7 , 1 7 3 , 5 6 3}$ $\mathbf{1 7 . 4 5 \%}$ | | llrer\| |
| :--- |

## Rebobal sock tund

Fund Facts at June 30, 2004
Investment Strategy/Goals: To participate in the growth of the global economy through the ownership of foreign equity securities.
Performance Objective: An annual total return which is one percentage point greater than the ISF Hybrid Benchmark after expenses.
Benchmark: ISF Hybrid Benchmark (83\% Citigroup Europe, Pacific, Asia Composite Broad Market Index, 50\% Hedged and 17\% MSCI Emerging Market Free)
Date of Inception: January 1, 1988
Number of Advisors: 13 external
Operating Expenses: $\$ 1,367,287$
Turnover: 118.4\%

## Performance Summary

For the fiscal year ended June 30, 2004, the International Stock Fund (ISF) generated a return of 29.69\%, net of fees, which underperformed its hybrid benchmark index return of $29.79 \%$ by 10 basis points. The program experienced manager changes during the fiscal year therefore it is difficult to attribute performance to any single factor. As part of the new ISF implementation, the currency overlay strategies were started at the end of March 2004. For the majority of the fiscal year, the ISF portfolio was managed on an unhedged basis, which was beneficial in a weakening dollar environment.

During fiscal year 2004, ISF net assets increased from $\$ 2.034$ billion to $\$ 4.003$ billion, an increase of $\$ 1.969$ billion. This included net investment income of $\$ 71$ million and realized and unrealized net capital gains of $\$ 835$ million and $\$ 1.063$ billion due to net cash inflows to participating pension plans and trusts.

The Fund returned $3.38 \%, 2.85 \%$ and $5.21 \%$ for the three, five and ten year periods outperforming the benchmark returns of $2.60 \%, 0.91 \%$ and $4.50 \%$ by 78,194 and 71 basis points respectively. The cumulative returns for the Fund for the three, five and ten years were $10.47 \%, 15.07 \%$ and $66.15 \%$ respectively as illustrated in Figure 4-4 below.

## Description of the Fund

The International Stock Fund is an externally managed fund, which invests in foreign equity securities. It serves as an investment tool for the Pension and Trust Funds, with the goal of participating in the growth of international economies. It is used to reduce short-term volatility in the Pension and Trust Funds returns by providing an additional layer of asset and currency diversification. In environments where the value of the U.S. dollar is declining relative to other currencies, international stocks are expected to enhance total Pension and Trust Fund returns.

Established in 1988, the ISF's performance objective was an annual total return, net of management fees and Division operating expenses, which exceeds that of the Hybrid Benchmark, a measure of the returns of developed, non-U.S. stock markets, by 100 basis points. During a structure review in fiscal year 2000, the objective was changed to reflect the Fund's strategic exposure to emerging markets, as well as an exposure to stocks of smaller companies in the developed international markets. The new objective is for the return of the Fund (net of fees) to exceed the return of a hybrid index comprising 83\% of the Citigroup Europe Pacific Asia Composite Broad Market Index (50\% Hedged) and 17\% of the Morgan Stanley Capital International Emerging Market Free Index (MSCI EMF) by 100 basis points.

At the end of fiscal year 2004 there were seven mandates in the Fund; Passive Large-Cap EAFE, Active Small-Cap EAFE, Active Risk Controlled EAFE, Active Core EAFE, Active Specialist EAFE, Active Emerging Markets, and Currency Overlay. Over fifty advisors were interviewed for five of the seven Fund mandates established during the structure review process completed at the end of fiscal 2000. In May 2002, Treasurer Nappier, with the endorsement of the Investment Advisory Council, selected twelve managers.

At the end of fiscal year 2004, the Fund had thirteen external advisors, selected on the basis of expected future performance and investment style. Two of the advisors each managed two portfolios: the first advisor manages both an emerging market and an active large cap value portfolio, while the second advisor handles both a large cap core and a small cap portfolio. (See figure 4-8.) Based on the Fund's holdings, as of June 30, 2004, approximately $57 \%$ of the portfolio was actively managed in core, growth, value and small cap, while $17 \%$ was actively managed within the emerging markets, $13 \%$ was actively managed within risk controlled and $12 \%$ was allocated to one advisor for passive management against the Citigroup Europe, Pacific, Asia Composite Primary Market Index (Citigroup EPAC PMI).

## Portfolio Composition

At fiscal year-end, ISF was 98.0\% invested in international securities. Investments in the United Kingdom were the largest percentage of Fund assets, at $14.7 \%$. Japan accounted for $13.3 \%$ of investments followed by Germany at 10.7\%. These geographic concentrations differed from those comprising the Hybrid index, reflecting the Fund's allocation to active management strategies. (See figure 4-7.)

The ISF was well diversified at year-end, holding more than 3,252 securities in the portfolio. The ISF's ten largest holdings, not including cash, included a variety of companies located throughout Europe and the Far East. The Fund's largest investment, comprising 1.4\% of investment securities, was Total FINA Elf of France. (See figure 4-9.)

In the aggregate, these ten holdings accounted for 11.7\% of the Fund's investments at June 30, 2004.

## Risk Profile

Given ISF's investment policies and objectives, the Fund is exposed to several forms of risk. These include, but are not limited to, political and economic risk, currency exchange risk, market risk, and individual company credit risk. The Treasurer determined that a $50 \%$ hedge ratio would provide the greatest reduction in portfolio risk over time. The currency hedging strategy was implemented during the fiscal year ending June 30, 2004 with the hiring of two dedicated currency overlay managers. As a result, currency hedging will not be part of any of the other international equity managers within the Fund.

Based on returns over the last five years, the Fund's risk profile is similar to that of the Hybrid benchmark. The Fund's relative volatility to its benchmark over the five-year period ending June 30, 2004 has been 1.03\%, while its high $\mathrm{R}^{2}$ of 0.95 demonstrates a relatively strong overall correlation. In the aggregate, ISF's annualized excess return over the five-year period, or return in excess of that predicted by the benchmark, was $1.94 \%$. (See Figure 4-2.)

Figure 4-1


TERF - Teachers' Retirement Fund
SERF - State Employees Retirement Fund
MERF - Connecticut Municipal Employees' Retirement Fund
Figure 4-3

## INTERNATIONALSTOCK FUND

Comprehensive Profile at June 30, 2004

|  | ISF | ISF Hybrid <br> Benchmark |
| :--- | ---: | :---: |
| Number of Issues | 3,252 | 4,831 |
| European Allocation (\%) | 61.8 | 54.3 |
| Pacific Allocation (\%) | 18.2 | 26.5 |
| Other (\%) | 20.0 | 19.2 |
| Annual Total Return (\%) | 29.69 | 29.79 |

Figure 4-5
INTERNATIONALSTOCK FUND
Annual Total Return


Figure 4-2

## INTERNATIONALSTOCK FUND

Risk Profile at June 30, 2004

| Relative Volatility | 1.03 |
| :--- | ---: |
| Standard Deviation | 16.42 |
| $\mathrm{R}^{2}$ | 0.95 |
| Beta | 1.00 |
| Alpha | 1.94 |

(1) Based upon returns over the last five years.

Figure 4-4
INTERNATIONALSTOCK FUND
Periods ending June 30, 2004

|  | 1 YR | 3 YRS | 5 YRS | 10 YRS |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Compounded, Annual | Total Return (\%) |  |  |  |
| ISF | 29.69 | 3.38 | 2.85 | 5.21 |
| ISF Hybrid Benchmark | 29.79 | 2.60 | 0.91 | 4.50 |
|  |  |  |  |  |
|  |  |  |  |  |
| Cumulative Total Return (\%) |  |  |  |  |
| ISF | 29.69 | 10.47 | 15.07 | 66.15 |
| ISF Hybrid Benchmark | 29.79 | 8.00 | 4.63 | 55.23 |
|  |  |  |  |  |
|  |  |  |  |  |

Figure 4-6


Figure 4-7

| INTERNATIONAL STOCK FUND <br> Diversification by Benchmark Country with Return (\%) at June 30 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ISF |  |  | ISF Hybrid Benchmark |  |  |
|  | \% of | \% of |  | \% of | \% of |  |
|  | $\begin{gathered} \text { Net Assets } \\ 6 / 30 / 03 \end{gathered}$ | $\begin{aligned} & \text { Net Assets } \\ & 6 / 30 / 04 \end{aligned}$ | Total Return | $\begin{gathered} \text { Net Assets } \\ 6 / 30 / 03 \end{gathered}$ | Net Assets 6/30/04 | Total Return |
| Japan | 13.5 | 13.3 | 44.5 | 17.5 | 20.0 | 48.5 |
| United Kingdom | 15.1 | 14.7 | 26.6 | 21.4 | 20.1 | 28.1 |
| Germany | 10.5 | 10.7 | 31.5 | 5.3 | 5.4 | 34.2 |
| France | 8.4 | 8.7 | 29.9 | 7.5 | 7.0 | 31.5 |
| Italy | 5.9 | 6.1 | 28.5 | 3.4 | 3.4 | 26.7 |
| Switzerland | 4.8 | 4.8 | 29.8 | 6.0 | 5.4 | 30.6 |
| Netherlands | 3.5 | 3.6 | 28.9 | 3.9 | 3.7 | 28.0 |
| Spain | 3.9 | 4.0 | 25.6 | 3.1 | 2.9 | 29.2 |
| Hong Kong | 1.9 | 1.8 | 39.6 | 1.6 | 1.7 | 36.8 |
| Sweden | 1.4 | 1.5 | 48.6 | 1.8 | 1.9 | 51.7 |
| Australia | 1.4 | 1.4 | 27.0 | 4.0 | 4.0 | 26.9 |
| Finland | 1.4 | 1.5 | 6.6 | 1.5 | 1.1 | 9.5 |
| Belgium | 1.4 | 1.4 | 39.1 | 1.0 | 1.0 | 40.0 |
| Singapore | 1.3 | 1.2 | 29.3 | 0.8 | 0.7 | 32.9 |
| Denmark | 0.8 | 0.8 | 42.9 | 0.7 | 0.7 | 40.3 |
| Ireland | 0.8 | 0.9 | 32.0 | 0.6 | 0.6 | 41.6 |
| Norway | 1.8 | 1.8 | 59.1 | 0.3 | 0.4 | 57.7 |
| Malaysia | 0.5 | 0.5 | 38.0 | 0.9 | 0.8 | 20.1 |
| Austria | 0.9 | 0.9 | 63.7 | 0.2 | 0.3 | 55.5 |
| New Zealand | 0.6 | 0.5 | 25.0 | 0.1 | 0.1 | 28.1 |
| Portugal | 0.4 | 0.4 | 46.9 | 0.3 | 0.4 | 40.4 |
| Other | 19.8 | 19.5 |  | 18.1 | 18.4 |  |
| Total | 100.0 | 100.0 |  | 100.0 | 100.0 |  |

(1) Includes Cash Reserve Account and cash equivalents at each country level.

Figure 4-8

| INTERNATIONALSTOCK FUND <br> Investment Advisors at June 30, 2004 |  |  |
| :---: | :---: | :---: |
| Investment Advisor | Net Asset Value | \% of Fund |
| Index | \$499,572,037 | 12.48\% |
| State Street Global Advisors | 499,572,037 | 12.48\% |
| Active-Core | 994,575,684 | 24.84\% |
| Invesco Global Asset Mgmt. | 337,435,398 | 8.43\% |
| Morgan Stanley Asset Management | 335,451,915 | 8.38\% |
| Putnam Advisory Co. | 321,688,371 | 8.03\% |
| Active-Growth | 511,755,100 | 12.78\% |
| Clay Finlay, Inc. | 350,832,247 | 8.76\% |
| MFS Institutional Advisors, Inc. | 160,922,853 | 4.02\% |
| Active-Value | 390,121,576 | 9.75\% |
| Grantham, Mayo, Van Otterloo | 390,121,576 | 9.75\% |
| Small Cap | 389,187,986 | 9.72\% |
| Morgan Stanley Asset Management | 198,978,210 | 4.97\% |
| Schroder Investment Mgmt. | 190,209,776 | 4.75\% |
| Emerging | 696,405,801 | 17.40\% |
| Grantham, Mayo, Van Otterloo | 354,163,417 | 8.85\% |
| Emerging Markets Management | 342,242,384 | 8.55\% |
| Risk Controlled | 504,143,403 | 12.59\% |
| Fidelity Management Trust Co. | 253,413,490 | 6.33\% |
| Merrill Lynch Investment | 250,729,913 | 6.26\% |
| Other ${ }^{(1)}$ | 17,521,772 | 0.44\% |
| TOTAL ISF | 4,003,283,359 | 100.00\% |

Figure 4-9

| INTERNATIONALSTOCK FUND |  |  |  |
| :---: | :---: | :---: | :---: |
| Ten Largest Holdings at June 30, 2004 |  |  |  |
| Security Name | Country M | Market Value | \% |
| Total SA Eur 10 Serie B | France | \$ 57,549,900 | 1.44\% |
| Vodafone Group | United |  |  |
| ORD USD . 10 | Kingdom | 55,126,735 | 1.38\% |
| Samsung Electronic KRW5000 | Korea | 51,255,518 | 1.28\% |
| Baring Emerging Markets Fund | Taiwan | 46,388,874 | 1.16\% |
| BP PLC Ord USD . 25 | United Kingdom | 45,685,770 | 1.14\% |
| Nestle SA CHF1 (REGD) | Switzerland | 44,341,940 | 1.11\% |
| Toyota Motor Corp. JPY50 | Japan | 41,970,050 | 1.05\% |
| Royal BK Scot GRP <br> Ord GBP . 25 | United Kingdom | 41,889,569 | 1.05\% |
| Glaxosmithkline |  |  |  |
| ORD GBP . 25 | United Kingdom | 41,746,783 | 1.04\% |
| ENIEUR 1 | Italy | 40,958,340 | 1.03\% |
| Top Ten |  | \$466,913,479 | 11.68\% |

(1) Other represents funds earmarked for distribution to
participants, reinvestment, and expenses.

## 20044

## Fund Facts at June 30, 2004

Investment Strategy/Goals: To hedge against inflation, reduce volatility of returns, and provide a long-term rate of return similar to equity investments by investing in equity commercial real estate.

Performance Objective: An annual total return which is one percentage point greater than the index.
Benchmark: National Council of Real Estate Investment Fiduciaries Index (NCREIF) 1quarter lag.

Date of Inception: July 1, 1982
Number of Advisors: 8 external
Operating Expenses: $\$ 451,482$
Capitalized and Netted Fees: \$3,571,892

Total Net Assets: \$368,537,656
Management Fees ${ }^{(1)}$ : $\$ 1,120,127$
Expense Ratio: 0.40\%
(1) See note 1 to the Financial Statements for a discussion of similar fees incurred at the investment level.

## Performance Summary

For the fiscal year ended June 30, 2004, the Real Estate Fund (REF) generated a total return of 0.67\%, net of fees, which under performed the National Council of Real Estate Investment Fiduciaries Index (NCREIF) of $9.71 \%$ by 904 basis points. This performance is primarily attributable to REF's under exposure to core real estate strategies and traditional property types and over exposure to opportunistic strategies and hotels as well as nontraditional property types such as senior living facilities.

During the fiscal year, the value of REF's portfolio declined from $\$ 426$ million to $\$ 369$ million. The $\$ 57$ million decrease was primarily due to net distributions to unit holders. This amount was comprised of income distributions to beneficiaries of $\$ 37$ million and net redemptions paid out to unit holders of $\$ 23$ million. \$3 million generated by operations offset these amounts. Funds from operations were comprised of net investment income of $\$ 17$ million, realized loss of $\$ 8$ million and unrealized depreciation of $\$ 6$ million.

For the trailing three, five and ten-year periods, REF's compounded annual total return was 1.55\%, 5.53\%, and $6.97 \%$, respectively, net of all expenses. (See figure 5-8.) The REF returns under performed the benchmark in the three, five and ten year periods by 619 basis points, 377 basis points and 322 basis points, respectively. The under performance for the three and five year periods are indicative of the "J curve" effect of the four opportunity fund investments, which comprise a significant portion of the Fund. Markets that favor highly occupied, cash generating properties in traditional property types, have hurt the REF's recent performance. REF's concentration in opportunistic investments has resulted in a focus on value creation and capital gains and features significant exposure to non-traditional property types. Reasons for underperformance in the ten-year category include adverse asset selection and asset sales in a weak domestic real estate market (the early and mid nineteen nineties). Management fees, operating expenses and significant write-downs taken in the mid nineteen nineties have also contributed to the Fund's below-benchmark performance over this time period.

## Description of the Fund

The Real Estate Fund is an externally managed fund that invests in real estate properties and mortgages. It serves as a long-term investment tool for the pension funds and is designed to dampen volatility of overall returns through diversification and to provide long-term rates of return similar to the Mutual Equity Fund. Over the short-term, REF is expected to provide a real rate of return above the rate of inflation during most economic conditions. In periods of rising inflation, REF is expected to add substantially to the performance of the pension funds.

REF's performance objective is an annual total return, net of management fees and operating expenses, which exceeds that of the NCREIF index by 100 basis points, or one percentage point, per annum.

## Portfolio Activity

During the fiscal year, the Connecticut Retirement Plans and Trust Funds (CRPTF) worked closely with Pension Consulting Alliance (PCA), its real estate investment consultant on a number of initiatives. PCA assisted the Treasurer and her staff in the development of a Strategic Review and Investment Plan for the REF and due diligence procedures for real estate investing. These steps, along with the IAC's approval of the Asset Class Guidelines for the REF, positioned REF to make new investment commitments. One such commitment, in the amount of $\$ 40$ million, was made to Connecticut-based Rockwood Capital Real Estate Partners Fund V, L.P., a value-added closed end commingled real estate fund during the fiscal year.

During the latter half of the fiscal year, the REF began implementing its Strategic Review and Investment Plan. To that end, new investment opportunities were considered and liquidation strategies for existing assets that are longer consistent with REF's portfolio objectives were activated. With regard to REF's $\$ 402$ million in outstanding commitments, $\$ 43$ million remained unfunded at fiscal year end. REF has been notified that roughly $\$ 3$ million of this total will not be called. During the fiscal year, REF provided funding of $\$ 20$ million to two funds. Distributions received totaled $\$ 105$ million.

The Fund also continued its program of opportunistically attempting to sell separate account investments that were acquired in the late nineteen eighties and early nineties. One such asset was sold during the fiscal year. REF continues to position the remaining single-asset investments for sale. The focus during this process is on maximizing returns.

During the fiscal year, the U.S. economy continued to experience economic growth. However the continued slow pace job creation resulted in only modest improvement in occupancy in the office and industrial sectors. The retail sector continued its strong performance while apartments struggled. Despite the absence of strong underlying fundamentals for most property types, historically high capital flows into real estate from institutional and individual investors and continued low interest rates helped to maintain asset values. This was especially true for well located assets in major cities with minimal vacancy and strong tenant rosters and avoided other properties.

## Portfolio Characteristics

Real Estate investment is a complex and intensive asset management process. REF's investments are restricted by policy to the purchase of shares in group annuities, limited partnerships, group trusts, corporations, and other indirect ownership structures managed by professional commercial real estate investment firms. At June 30, 2004, the portfolio consisted of 11 externally managed portfolios, with $21 \%$ of the Fund's net assets invested in real estate separate accounts, $72 \%$ invested in commingled funds and $7 \%$ invested in cash and other net assets.

The Fund's ten largest holdings aggregated to $93.1 \%$ of REF investments. (See figure 5-12.)
As currently structured, office properties constitute the single largest component of REF's portfolio at $23 \%$, with industrial ( $2 \%$ ), retail ( $14 \%$ ), apartments ( $7 \%$ ), and hotel ( $11 \%$ ) comprising $57 \%$ of the Fund. The "other" category, which accounts for $43 \%$ of net assets, includes significant exposures in senior living (20\%), mixed-use (3\%) and timberland (5\%). The balance of the portfolio is comprised of distribution facilities, land, storage facilities, and cash and other monetary assets. (See figure 5-7.)

The portfolio is reasonably well diversified geographically with 30\% of its assets invested in the East, 18\% in the West, $29 \%$ in the South, and $6 \%$ in the Midwest. The remaining $17 \%$ is comprised of "other" and includes investments distributed nationally across the U.S. (6\%), and internationally (5\%), while cash and other net assets account for the remainder (6\%). (See figure 5-6.)

## Risk Profile

Given REF's investments policy and objectives, the Fund is exposed to several forms of risk. These include risks attendant to alternative investments, such as management, operations, market, and liquidity risk, but also include geographic, financing, and construction risks specific to real estate investments.

As shown below, based on returns over the last five years, the Fund has exhibited substantially more volatility than its benchmark. The Fund's statistics are consistent with its extraordinarily low R2 of 0.02 , signifying almost no correlation between Fund returns and those of the benchmark. Its beta of negative 0.16 indicates little sensitivity to overall fluctuations in the benchmark. In the aggregate, the Fund's monthly alpha, or return relative to that achieved by the benchmark, was negative 3.77 over the five-year time period. (See figure 5-2.)

Figure 5-1


TERF - Teachers' Retirement Fund
SERF - State Employees Retirement Fund
MERF - Connecticut Municipal Employees' Retirement Fund
Figure 5-3

| REALESTATE FUND |
| :--- |
| Investments Analysis ${ }^{(1)}$ |
| No. of REF <br> Investments   REF <br> Book Value |
| At Market Value |
| $6 / 30 / 2004$ |
| $6 / 30 / 2003$ |

(1) Number of investments in annuities, partnerships, corporations, and trusts, excluding the Cash Reserve Account.

Figure 5-2

## REALESTATE FUND

Risk Profile at June 30, 2004

| Relative Volatility | 1.04 |
| :--- | :---: |
| Standard Deviation | 3.88 |
| $\mathrm{R}^{2}$ | 0.02 |
| Beta | -0.16 |
| Alpha | -3.77 |

(1) Based upon returns over the last five years.

Figure 5-4
REALESTATE FUND
Distribution by Investment Type at June 30, 2004 Based on Investments in Securities, at Value

(1) Cash Reserve Account and other monetary assets.

Figure 5-5

(1) Cash Reserve Account.

Figure 5-7
REALESTATE FUND
Diversification by Property Type at June 30, 2004
Based on Investments in Securities, at Value

|  | REF | NCREIF | Variance |
| :--- | :---: | :---: | :---: |
| Apartment | $7.3 \%$ | $19.3 \%$ | $-12.0 \%$ |
| Industrial | $1.9 \%$ | $18.9 \%$ | $-17.0 \%$ |
| Office | $23.4 \%$ | $38.7 \%$ | $-15.3 \%$ |
| Retail | $14.1 \%$ | $21.4 \%$ | $-7.3 \%$ |
| Hotel | $11.1 \%$ | $1.7 \%$ | $9.4 \%$ |
| Cash and Other Assets ${ }^{(1)}$ | $\underline{42.2 \%}$ | $\underline{0.0 \%}$ | $42.2 \%$ |
|  | $100.0 \%$ | $100.0 \%$ |  |

(1) Other includes senior living (19.7\%), real estate securities (5.4\%), mixed use (2.7\%), land (0.4\%), timberland (4.8\%), storage facilities (1.6\%), distribution facilities (1.1\%) and cash and other assets (6.5\%).
Figure 5-9


Annual Total Return


Figure 5-6

## REALESTATE FUND

Distribution by Geographic Location at June 30, 2004 Based on Investments in Securities, at Value

|  | REF | NCREIF | Variance |
| :--- | ---: | ---: | ---: |
| East | $30.2 \%$ | $31.2 \%$ | $-1.0 \%$ |
| Midwest | $6.4 \%$ | $14.1 \%$ | $-7.7 \%$ |
| South | $28.6 \%$ | $20.6 \%$ | $8.0 \%$ |
| West | $17.7 \%$ | $34.1 \%$ | $-16.4 \%$ |
| Cash and Other Assets ${ }^{(1)}$ | $\underline{17.1 \%}$ | $\underline{0.0 \%}$ | $17.1 \%$ |
|  | $100.0 \%$ | $100.0 \%$ |  |

(1) Includes national (5.9\%) and non-U.S. (4.7\%) and cash and monetary assets (6.5\%).

Figure 5-8


Figure 5-10


Figure 5-11
REALESTATE FUND
Investment Advisors at June 30, 2004

|  |  |  |
| :--- | ---: | ---: |
| Investment Advisor | Net Asset <br> Value | \% of <br> Fund |
| AEW Capital Management | $\$ 119,384,806$ | $32.39 \%$ |
| Westport Senior Living | $67,336,094$ | $18.27 \%$ |
| Walton Street Real Estate | $61,606,084$ | $16.72 \%$ |
| Apollo Real Estate | $56,057,060$ | $15.21 \%$ |
| Evergreen Investments | $17,551,042$ | $4.76 \%$ |
| New Boston Fund | $12,500,312$ | $3.39 \%$ |
| Rockwood Capital | $\mathbf{8 , 7 6 4 , 3 3 5}$ | $2.38 \%$ |
| CIGNA Realty Investors | $\underline{\mathbf{2 4 , 0 2 4 , 1 0 2}}$ | $\underline{\mathbf{6 . 5 2 \%}}$ |
| Other ${ }^{(1)}$ | $\mathbf{\$ 3 6 8 , 5 3 7 , 6 5 6}$ | $\mathbf{1 0 0 . 0 0 \%}$ |
| SUBTOTAL REF |  |  |

(1) Other represents funds earmarked for distribution to participants, reinvestment, and expenses.

Figure 5-12

## REALESTATE FUND

Ten Largest Holdings at June 30, 2004

|  | Market |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :---: | :---: | :---: |
| Property Name | Type |  |  |  | Value | $\%$ |
| Westport Sr. Living Inv FD | Sr Living $\$ 67,336,094$ | $18.27 \%$ |  |  |  |  |
| Walton Street RE II LP Fnd 2 | Various | $61,606,084$ | $16.72 \%$ |  |  |  |
| AEW Partners III | Various | $59,388,204$ | $16.11 \%$ |  |  |  |
| Apollo Real Est Invest Fd III | Various | $56,057,060$ | $15.21 \%$ |  |  |  |
| Union Station LTD LP | Mixed | $33,743,600$ | $9.16 \%$ |  |  |  |
| Goodwin Square | Mixed | $26,253,002$ | $7.12 \%$ |  |  |  |
| Timberland Fund A - Duplin | Timber | $15,392,417$ | $4.18 \%$ |  |  |  |
| New Boston Fund IV | Various | $12,500,312$ | $3.39 \%$ |  |  |  |
| Rockwood Captial Fund V | Various | $8,764,335$ | $2.38 \%$ |  |  |  |
| Timberland Fund A - Ball's Qtr. | Timber | $2,158,625$ | $0.59 \%$ |  |  |  |
| Top Ten | $\$ 343,199,733$ |  |  |  | $93.13 \%$ |  |
|  |  |  |  |  |  |  |

## 2u@OMed income fund

## Fund Facts at June 30, 2004

Investment Strategy/Goals: To invest in interest bearing securities, thereby providing diversification to the retirement funds' overall performance in different economic environments.

Performance Objective: To achieve a net return that exceeds its composite benchmark by 65-135 basis points per annum, over rolling three to five year periods.
Benchmark: 73\% LB Aggregate, 17\% Citigroup High Yield Market Index and 10\% JPM Emerging Markets Bond Index.

Date of Inception: July 1, 1972
Number of Advisors: 8 external
Operating Expenses: \$783,936
Turnover: 359.1\%

Total Net Assets: \$5,849,441,230
Management Fees: \$8,070,224
Expense Ratio: 0.14\%

## Performance Summary

For the fiscal year ended June 30, 2004, the Mutual Fixed Income Fund (MFIF) generated a total return of $2.79 \%$ net of fees, outperforming the hybrid benchmark return of $2.44 \%$ by 35 basis points. Positive manager performance was the key driver to the MFIF surpassing its benchmark. Comparative returns from other indexes include: The Citigroup High Yield Market Index 10.36\%, and JP Morgan Emerging Markets Bond Index 4.76\% (JP EMBI+).

During the fiscal year, the Fund decreased $\$ 760$ million, from $\$ 6.609$ billion to $\$ 5.849$ billion. Of this total, the primary factor was $\$ 880$ million of net cash outflows to participating Pension and Trust Funds, in addition to $\$ 268$ million from unrealized losses partly offset by $\$ 319$ million resulting from net investment income and $\$ 69$ million in realized gains.

For the trailing three, five and ten-year periods, MFIF's compounded annual total return was 6.75\%, 6.81\% and $7.64 \%$ respectively, net of fees. These returns were essentially close to those of the Fund's benchmark for the ten year period, but were behind the benchmark for the three and five-year periods by 0.77 and 0.68 basis points respectively.

The cumulative total returns for the three, five, and ten-year periods ending June 30, 2004, were 21.65\%, $38.99 \%$ and $108.85 \%$, respectively.

## Description of the Fund

The Mutual Fixed Income Fund is an externally managed fund investing primarily in domestic fixed income securities. The Fund serves as an investment tool for the Pension and Trust Funds with the goal of reducing volatility in returns under various economic scenarios. Fixed income securities represent fixed, variable, and zero coupon bonds issued by the federal and state governments, foreign governments, domestic and international corporations, and municipalities. During periods of low inflation, fixed income investments may enhance the overall performance of the Pension and Trust Funds, while in times of moderate inflation and high nominal interest rates, these investments may contribute satisfactory investment returns.

During fiscal year 2002, the Office of the Treasurer conducted a structure review for the Fund as part of its continuing implementation of the Asset Allocation Policy and strategy for the Mutual Fixed Income Fund.

At June 30, 2004, eight advisors managed investments in the Fund. The Fund's investments were allocated to five advisors investing approximately $79 \%$ of the portfolio in core/core-plus strategies, and three advisors actively investing $14 \%$ of the portfolio in domestic high yield strategies. A few managers were allowed to expand their investment opportunity set to include below investment grade bonds and/or international bonds; these mandates have been classified as core-plus strategies. (See figure 6-11.)

Since inception, the MFIF's objective has been an annual return, net of management fees and operating expenses, of 50 basis points in excess of the LB Aggregate, which is widely considered to be parallel to the performance of the U.S. bond market. During fiscal year 2000, another performance measurement benchmark for the MFIF was added to reflect the Fund's strategic allocation to other fixed income markets, such as high yield securities and emerging market debt. The new benchmark is a hybrid comprising 73\% LB Aggregate, $17 \%$ Citigroup High Yield Market Index, and 10\% JP EMBI+, and the Fund's goal is to exceed the return of the hybrid index by 50 basis points annually. It is expected that during the next fiscal year the guidelines and contracts of new managers to complete the full structure will be completed, and this hybrid benchmark will become the primary benchmark for MFIF.

## Portfolio Characteristics

MFIF continues to be well diversified across the spectrum of available fixed income securities. The Fund maintained a strong concentration in corporate securities, comprising approximately $29.0 \%$ of the Fund's investment securities at fiscal year-end. The Fund also maintained a strong concentration in government securities at $48.1 \%$, compared to $34.5 \%$ for the benchmark. Sector concentrations differed from those comprising the LB Aggregate, reflecting the collective allocations of the Fund's active investment advisors. The Fund's average quality rating was AA-2, as judged by Moody's Investor Services, supported by its $55.3 \%$ concentration in mortgage-backed, U.S. Treasury, and Agency securities. Relative to the Index, MFIF held a lesser degree of below investment grade securities including emerging market debt. (See figure 6-4.)

At fiscal year end, $88.0 \%$ of Fund investments were in fixed income securities with the balance held in cash and cash equivalents.

## Risk Profile

Given MFIF's investment policies and objectives, the Fund is exposed to several forms of risk. These include, but are not limited to, purchasing power risk, default risk, reinvestment risk, and market risk. In addition, the Fund is occasionally exposed to political and economic risk and currency risk resulting from investments in international fixed income securities.

In fixed income investing, returns are extremely sensitive to changes in market interest rates. As such, the longer the time to maturity of a fixed income investment (and the resultant increase in time during which interest rates may change), the greater the level of risk assumed. To measure the degree of MFIF's price sensitivity to changes in market interest rates, the Fund's duration, or the weighted average time period over which cash flows are received by the investor, is monitored. At June 30, 2004, the Fund held a durationneutral stance relative to the LB Aggregate Index of 4.8 years. While often viewed as an indicator of risk, duration can, if managed effectively, contribute significantly to total Fund returns. (See figure 6-3)

Figure 6-1

## MUTUAL FIXED INCOME FUND

Ownership Analysis at June 30, 2004 (\$ in millions)


TERF - Teachers' Retirement Fund
SERF - State Employees Retirement Fund
MERF - Connecticut Municipal Employees' Retirement Fund
Figure 6-3

(1) Computed without the effect of Cash and other Net Assets.

Figure 6-5

## MUTUAL FIXED INCOME FUND

Distribution by Quality Rating at June 30, 2004
Based on Investments in Securities, at Value

| Aaa | $50.3 \%$ |
| :--- | ---: |
| Aa | $2.5 \%$ |
| A | $6.6 \%$ |
| Baa | $7.8 \%$ |
| Less than Baa | $10.9 \%$ |
| Not Rated $^{(1)}$ | $9.9 \%$ |
| Cash $^{(2)}$ | $12.0 \%$ |
| Total | $100.0 \%$ |

(1) Represents securities for which ratings are unavailable.
(2) Represents monies invested in the Cash Reserve Account and cash equivalents.

Figure 6-2

(1) Based upon returns over the last five years.

Figure 6-4

## MUTUAL FIXED INCOME FUND

Distribution by Sector at June 30, 2004
Based on Investments in Securities, at Value

|  | MFIF | LBgregate | Variance |
| :--- | ---: | :---: | ---: |
| Treasury | $22.8 \%$ | $22.7 \%$ | $0.1 \%$ |
| Agency | $25.3 \%$ | $11.8 \%$ | $13.5 \%$ |
| Corporate | $29.0 \%$ | $22.4 \%$ | $6.6 \%$ |
| Mortgage-Backed | $7.2 \%$ | $35.0 \%$ | $-27.8 \%$ |
| Asset-Backed | $1.1 \%$ | $1.6 \%$ | $-0.5 \%$ |
| Other $^{1}$ | $\underline{14.6 \%}$ | $\underline{6.5 \%}$ | $8.1 \%$ |
| TOTAL $^{100.0 \%}$ | $\mathbf{1 0 0 . 0 \%}$ |  |  |

(1) Other category includes non fixed-income securities such as common and preferred stock and convertible securities, cash and other assets.
Figure 6-6

## MUTUAL FIXED INCOME FUND

Distribution by Coupon at June 30, 2004
Based on Investments in Securities, at Value


Figure 6-7

| MUTUAL FIXEDINCOME FUND <br> Macauley Duration Distribution at June 30, 2004 <br> Based on Investments in Securities, at Value <br>  <br> $\mathbf{0 - 3}$ Years <br> 3-5 Years <br> 5-7 Years <br> 7-10 Years <br> 10+ Years <br> Unknown <br> Cash <br> (1) | $24.8 \%$ |
| :--- | ---: |
| Total | $25.9 \%$ |
|  | $18.3 \%$ |

(1) Represents securities for which the Macaulay Duration could not be calculated by the custodian.
(2) Represents monies invested in the Cash Reserve Account and cash equivalents.

Figure 6-9

## MUTUAL FIXED INCOME FUND

 Annual Total Return

Figure 6-11

## MUTUAL FIXED INCOME FUND

Investment Advisors at June 30, 2004

| Investment Advisor | Net Asset <br> Value | $\%$ of <br> Fund |
| :--- | ---: | ---: |
| Core | $\mathbf{\$ 4 , 6 1 9 , 6 7 5 , 1 2 2}$ | $\mathbf{7 8 . 9 8 \%}$ |
| State Street Global Advisors | $\mathbf{1 , 3 0 5 , 9 5 1 , 0 6 7}$ | $22.33 \%$ |
| BlackRock Financial Mgmt, Inc. | $1,116,913,320$ | $19.10 \%$ |
| Wellington | $1,019,607,641$ | $17.43 \%$ |
| Western Asset Management Co. | $865,870,535$ | $14.80 \%$ |
| Phoenix | $311,332,559$ | $5.32 \%$ |
| High Yield | $\mathbf{8 4 1 , 2 8 6 , 8 3 6}$ | $\mathbf{1 4 . 3 8 \%}$ |
| Loomis Sayles \& Co., Inc. | $343,271,448$ | $5.87 \%$ |
| W.R. Huff Asset Management | $269,642,196$ | $4.61 \%$ |
| Oaktree Capital Management, LLC | $\mathbf{2 2 8 , 3 7 3 , 1 9 2}$ | $3.90 \%$ |
| Other ${ }^{(1)}$ | $\mathbf{3 8 8 , 4 7 9 , 2 7 2}$ | $\mathbf{6 . 6 4 \%}$ |
| SUBTOTAL MFIF | $\mathbf{\$ 5 , 8 4 9 , 4 4 1 , 2 3 0}$ | $\mathbf{1 0 0 . 0 0 \%}$ |

(1) Other represents funds earmarked for distribution to participants, reinvestment, and expenses.

Figure 6-13

| MUTUAL FIXED INCOME FUND |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2004 |  | 2003 |  | 2002 |  | 2001 |  | 2000 |  |
|  | MFIF | LB Agg | MFIF | LB Agg | MFIF | LB Agg | MFIF | LB Agg | MFIF | LB Agg |
| Number of Issues | 4,566 | 6,976 | 4,319 | 7,472 | 4,071 | 6,892 | 3,633 | 6,414 | 3,226 | 5,974 |
| Average Coupon | 5.90\% | 5.40\% | 6.20\% | 6.10\% | 6.60\% | 6.50\% | 6.90\% | 6.90\% | 7.00\% | 7.00\% |
| Yield Maturity | 5.20\% | 4.60\% | 4.50\% | 3.40\% | 6.50\% | 5.30\% | 7.60\% | 6.20\% | 8.20\% | 7.20\% |
| Average Maturity | 7.70 | 6.70 | 7.50 | 6.20 | 8.40 | 7.30 | 9.70 | 8.30 | 9.70 | 8.50 |
| Modified Duration ${ }^{(2)}$ | 4.80 | 4.70 | 4.60 | 4.20 | 4.70 | 4.40 | 5.30 | 4.80 | 5.40 | 4.90 |
| Average Quality | AA-2 | AA-1 | AA-3 | AA-1 | AA-3 | AA-1 | AA-3 | AA-1 | AA-3 | AAA |
| Cash ${ }^{(1)}$ | 12.0\% | 0.0\% | 12.8\% | 0.0\% | 10.9\% | 0.0\% | 10.3\% | 0.0\% | 13.0\% | 0.0\% |

(1) Includes funds invested in the Cash Reserve Fund.
(2) Compounded without the effect of Cash and Other Net Assets.

Figure 6-14

| MUTUAL FIXED INCOME FUND <br> Quarterly Current Yield ${ }^{(1)}$ vs. Indicies (\%) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 6/30/04 | 3/31/04 | 12/31/03 | 9/30/03 | 6/30/03 |
| MFIF | 5.06 | 4.72 | 5.15 | 5.32 | 5.12 |
| Leh Agg | 5.17 | 5.06 | 5.22 | 5.27 | 5.33 |
| Citigroup 3 Month T-Bill | 1.32 | 0.94 | 0.93 | 0.94 | 0.85 |
| Lehman Treasury | 4.49 | 4.34 | 4.50 | 4.56 | 4.57 |
| Lehman Agency | 4.21 | 4.15 | 4.36 | 4.37 | 4.34 |
| Lehman Mortgage | 5.45 | 4.39 | 5.48 | 5.60 | 5.78 |
| Lehman Corporate | 5.87 | 5.67 | 5.95 | 5.84 | 5.92 |
| Lehman Asset Backed | 4.48 | 4.39 | 4.70 | 4.74 | 4.64 |

(1) Current Yield represents annual coupon interest divided by the market value of securities.

## 2004al morrage tund

## Fund Facts at June 30, 2004

Investment Strategy/Goals: To achieve yields in excess of those available on domestic fixed income securities by investing in mortgages on income producing property or in commercial mortgage backed securities (CMBS).

Performance Objective: An annual total return which is one percentage point greater than that of the Lehman Aggregate Index after expenses.

Benchmark: Lehman Aggregate Index
Total Net Assets: $\$ 36,404,476$
Management Fees: $\$ 327,489$
Expense Ratio: 0.62\%

Date of Inception: November 2, 1987
Number of Advisors: 1 external
Operating Expenses: \$11,508

## Performance Summary

For the fiscal year ended June 30, 2004, the Commercial Mortgage Fund (CMF or the Fund) generated a return of $7.87 \%$, net of management fees and operating expenses, significantly out performing the Lehman Aggregate Bond Index (LABI) of $0.32 \%$ by 755 basis points. The Fund's favorable performance is attributable to its yield advantage versus the benchmark, a significant prepayment penalty received and a shorter portfolio duration relative to the LABI during a period of rising interest rates.

During the fiscal year, CMF assets declined from $\$ 72$ million to $\$ 36$ million, a decrease of $\$ 36$ million. This decrease was due to cash outflows to the Fund's unit holders of $\$ 39$ million offset by $\$ 3$ million generated by operations. The outflows were paid from loan maturity and amortization proceeds. The $\$ 3$ million generated from operations consisted of $\$ 4$ million of net operating income and $\$ 1$ million of unrealized loss.

For the trailing three, five, and ten-year periods, CMF's total compounded annual portfolio return was $9.60 \%, 9.59 \%$ and $10.30 \%$, respectively, net of all expenses. The Fund's results over the three, five and tenyear periods exceeded the benchmark by 324 basis points, 264 basis points and 291 basis points, respectively. (See figure 7-7.)

## Description of the Fund

CMF is an externally managed fund that holds mortgages on income-producing commercial property. Established in 1987, it serves as a fixed income investment tool for the pension plans with the goal of realizing yields in excess of those available from traditional domestic fixed income securities, while accepting slightly greater credit risk.

CMF's investment assets consist of an externally managed portfolio of commercial real estate mortgage loans and interests in Yankee Mac pooled residential mortgage-backed securities, created pursuant to a previous Connecticut State Treasury program.

The Fund's performance objective is an annual total return, net of management fees and operating expenses, which exceeds that of Lehman Aggregate Index by 100 basis points.

## Portfolio Activity

At June 30, 2004, the Fund consisted of four commercial mortgage loans with a combined value of $\$ 35.0$ million and seven residential mortgage pools with a combined value of 0.7 million. The balance of the Fund's assets consisted of short-term cash investments. During the fiscal year two portfolio loans were paid off. These payments resulted in the receipt of $\$ 11.1$ million including a $\$ 0.8$ million prepayment penalty. The Fund continued to be inactive regarding new loans and is being managed to maximize the total return on its remaining holdings.

In the fiscal year ended June 30, 2004, the U.S. economic growth became more robust than in the previous year. This expansion appears to be self sustaining and the overall economic outlook for the U.S. appears to be improving. However, this optimism is tempered by the prospects of higher interest rates and energy prices and the unsettled global economic and security situation. The Federal Reserve Board has begun increasing the short term Federal Funds Rate and is expected to continue doing so in a consistent and measured way. Still interest rates, in general, have stayed relatively low. Over the past year such rates have helped to support strong valuations in both real property and seasoned, high yielding mortgage loans such as those held by the CMF despite the weak property market fundamentals.

## Portfolio Characteristics

As its existing loans mature, portfolio diversification has been decreasing. The largest portion of the Fund's net assets, 64\%, was invested in residential sector at fiscal year-end, followed by 18\% in a ground lease and $17 \%$ in the hotel sector. (See figure 7-4.) The Fund has some diversification across geographic regions with $20 \%$ of investments located in the Northeast, $34 \%$ in the East North Central, and $45 \%$ in the Mountain region. (See figure 7-5.)

The CMF's ten largest holdings aggregated to 99\% of Fund investments. (See figure 7-11.)
The portfolio is healthy from a credit risk standpoint. CMF had no delinquent or non-performing loans at fiscal year end. One of the Fund's investments in the amount of $\$ 6.2$ million is scheduled to mature in the next 12 months.

## Risk Profile

Given CMF's investment policies and objectives, the Fund is exposed to several forms of risk. These include risks specific to fixed income investing, such as purchasing power risk, market risk, and default risk. Moreover, falling interest rates subject commercial mortgages to the risk of prepayment, thereby shortening investors' assumed time horizon and exposing them to reinvestment risk. However, yield maintenance-based prepayment penalties, which are included in the majority of the Fund's commercial mortgage investments, help minimize this risk.

To measure the Fund's price sensitivity to changes in market interest rates, the Fund's duration, or weighted average time period over which cash flows are received by the investor, is monitored. At June 30, 2004, the Fund's duration was 3.0 years versus 4.7 years for the Lehman Aggregate Index. Therefore, the Fund is less sensitive to interest rate changes than the Lehman Aggregate Index.

Based on returns over the last five years, the Fund's risk profile is similar to that of the Lehman Aggregate Index. With a relative volatility of 1.62, its returns are slightly more volatile than the index; however, its returns show modest correlation to those achieved by the benchmark. The Fund's beta of 0.16 signifies a limited amount of sensitivity to movements in the Index as a whole. CMF's five-year monthly alpha, or return in excess of that predicted by returns in the overall market, at June 30, 2004 was 2.63. (See figure 7-2.)

Figure 7-1


TERF - Teachers' Retirement Fund
SERF - State Employees Retirement Fund
MERF - Connecticut Municipal Employees' Retirement Fund

## Figure 7-3

| COMMERCIAL MORTGAGE FUND |
| :--- |
| Quarterly Current ${ }^{(1)}$ Yield Analysis |
|  |
|  CMF Aggregate <br> $06 / 30 / 2004$ $8.99 \%$ $5.17 \%$ <br> $03 / 31 / 2004$ $8.98 \%$ $5.06 \%$ <br> $12 / 31 / 2003$ $8.98 \%$ $5.22 \%$ <br> $09 / 30 / 2003$ $8.93 \%$ $5.27 \%$ <br> $06 / 30 / 2003$ $8.93 \%$ $5.33 \%$ |$.$|  |
| :--- |

(1) Current Yield represents annual coupon interest divided by the market value of securities.
Figure 7-5


Figure 7-2

COMMERCIAL MORTGAGE FUND
Risk Profile at June 30, 2004

| Relative Volatility | 1.62 |
| :--- | :--- |
| Standard Deviation | 6.41 |
| $\mathrm{R}^{2}$ | 0.01 |
| Beta | 0.16 |
| Alpha | 2.63 |

(1) Based upon returns over the last five years.

Figure 7-4

(1) Includes senior ground leases.

Figure 7-6


Figure 7-7

| COMMERCIAL MORTGAGE FUND <br> Periods ending June 30, 2004 <br>  1 YR 3 YRS 5 YRS 10 YRS <br> Compounded, Annual Total Return (\%)     <br> CMF 7.87 9.60 9.59 10.30 <br> Lehman Agg 0.32 6.36 6.95 7.39 <br> Cumulative Total Return (\%)     <br> CMF 7.87 31.66 58.04 166.42 <br> Lehman Agg 0.32 20.33 39.94 103.94 <br>      |
| :--- |

Figure 7-9
COMMERCIAL MORTGAGE FUND
Components of Total Return (\$ in millions)


Figure 7-11

| COMMERCIAL MORTGAGE FUND <br> Ten Largest Holdings at June 30, 2004 |  |  |  |
| :---: | :---: | :---: | :---: |
| Property Name | Property Type | Market Value | \% |
| SASCO | Other | \$16,576,596 | 45.76\% |
| Greenhill Apts | Residential | 12,308,749 | 33.97\% |
| Sheraton Denver West | Hotel | 6,157,218 | 17.00\% |
| Yankee Mac E 11.056\% | Residential | 301,018 | 0.83\% |
| Yankee Mac G 11.125\% | Residential | 142,422 | 0.39\% |
| Yankee Mac F 12.981\% | Residential | 117,808 | 0.33\% |
| Yankee Mac B 14.121\% | Residential | 39,341 | 0.11\% |
| Yankee Mac C 14.1505\% | Residential | 32,097 | 0.09\% |
| Yankee Mac A 13.075\% | Residential | 19,656 | 0.05\% |
| Yankee Mac D 12.1405\% | Residential | 3,832 | 0.01\% |
| TOTAL |  | \$ 35,698,737 | 98.54\% |

## 200AAssment tund

## Fund Facts at June 30, 2004

Investment Strategy/Goals: A long-term asset allocation with the goal of earning returns in excess of the public equity markets through investments in private equity companies.

Performance Objective: To outperform the Standard \& Poor 500 Index by 500 basis points at the end of ten years.

Benchmark: Venture Economics All Private Equity Index.

Date of Inception: July 1, 1987
Number of Partnerships: 46 external
Operating Expenses: \$6,191,281

Total Net Assets: \$1,785,366,036
Expensed Management Fees ${ }^{(1)}$ : $\$ 5,591,485$
Expense Ratio: 0.65\%

Capitalized and Netted Fees: \$31,344,775
(1) See Note 1 to the Financial Statements for a discussion of similar fees incurred at the investment level.

## Performance Summary

For the fiscal year ended June 30, 2004, the Private Investment Fund (PIF) generated a 20.21\% return. The expansion of the U.S. economy has provided a boost to the private equity market in fiscal 2004. The economy is providing enough positive sentiment for both buyers and sellers of private equity assets to close reasonably priced transactions. The U.S. economy has been expanding at a healthy pace for more than two years, though it slowed modestly in the second quarter of 2004. GDP grew 3\% during the second quarter of 2004, versus $4.5 \%$ in the first quarter. Most economists expect the economy to regain momentum for the remainder of the year, assuming a drop in energy prices.

Private equity transaction volume has risen sharply over the last few quarters. There were $\$ 29.6$ billion in leveraged buyout transactions completed through June 15, 2004, a 26\% increase over the same period in 2003, according to Buyouts. This growth in deal volume is largely attributed to the improving economy and favorable financing markets.

The strengthening economy and low interest rates have led to an increase in leverage ratios. According to Standards \& Poors Leverage Commentary Data, for the trailing 12 months through March 31, 2004, the total debt to EBITDA multiple for middle market companies was at 4.4 times, versus 4.0 times in 2003 but still below a peek of 5.3 times in 1998. Similarly, equity contributions to leveraged buyout transactions have declined. For the quarter ending March 31, 2004, the average equity contribution was $36.6 \%$ versus $39.4 \%$ in 2003, but above the 1998 average level of $31.6 \%$.

Transaction prices have also been on the rise in fiscal 2004. Valuation multiples pulled back modestly through March 31, 2004, versus the prior quarter, according to S\&P LCD. For leveraged transaction values less than $\$ 250$ million, purchase multiples were $6.26 x$ EBITDA versus $6.4 x$ and $5.8 x$ for 2003 and 2002, respectively. Anecdotal evidence, however, suggests that multiples are gradually rising, as corporate buyers have begun to more actively pursue M\&A transactions.

Venture capital investment activity continued to increase through the second quarter of the year, with investments totaling $\$ 5.6$ billion into 761 companies in the quarter, versus $\$ 5$ billion invested in the first quarter of 2004 and $\$ 5.4$ billion in the fourth quarter of 2003, according to MoneyTree. Importantly, investments are balanced by stage of company development and industry sector, with no single market segment appearing to be over-funded. Further, companies are operating with lower capital requirements than a few years prior.

The pickup in venture capital investments is linked to resurgence in IPO activity. 29 venture-backed companies raised $\$ 2.1$ billion through the IPOs in the second quarter of 2004, according to Thomson Venture Economics. This activity was more than double the first quarter's total of 13 IPOs and represented the most IPOs since the third quarter of 2000, when 87 venture-backed companies went public. In addition to the IPOs during the quarter, there are currently 79 venture-backed companies in registration with the SEC. Compara-
tively, there were 35 venture-backed companies in registration at the end of the third quarter 2003.
During fiscal year 2004, PIF's assets decreased from $\$ 1.848$ billion to $\$ 1.785$ billion, a decrease of $\$ 63$ million. This included net investment income of $\$ 370$ million, realized gains of $\$ 7$ million, unrealized losses of $\$ 55$ million and $\$ 385$ million due to net cash outflows from participating pension plans and trusts.

The Fund slightly underperformed the assigned benchmark, which has returned $21.49 \%$ for the fiscal year to date. While short-term performance is assessed, the Fund has a long-term perspective in evaluating performance, in that it measures the returns over a 10-year time period. This long-term perspective reflects the illiquid nature of the Fund's underlying partnership holdings that require a meaningful length of time to progress through specific developmental periods. As an additional analysis of long-term performance, Figure 8-5 shows PIF's cumulative total return over the three, five and ten-year periods.

In reporting values for PIF, private market valuations are often imprecise. Accordingly, the PIF investment advisors typically adopt a valuation policy, carrying the investments at cost unless and until there is concrete evidence to write the values up, or reasonable doubt, which indicates that they should be written down. One cause for a write-up would be a successful initial public offering of stock in a private company where the value is determined in an arms-length, public transaction. Likewise, consistently missing important milestones in a company's business plan signifying a reversal in the company's fortunes is considered a reason to writedown the value of an investment. These determinations are made on an on-going basis.

## Description of the Fund

The Private Investment Fund (PIF) is an externally managed fund whose strategic focus is divided among six specific areas: venture capital, corporate buyout, mezzanine, fund of funds, special situations, and international funds. The Private Investment Fund serves as a long-term investment tool for the Pension and Trust Funds, with the goal of earning returns in excess of the public equity markets through investments in private equity companies.

This Fund structure allows for experienced industry professionals to manage PIF's assets while allowing the Fund to realize the benefits of a diversified private market portfolio in the areas of investment type, strategic focus, industry type and geographic region. The performance objective of the Fund is to outperform, net of management fees and Division operating expenses over a rolling ten-year period, the Standard \& Poor 500 Index by 500 basis points.

## Portfolio Characteristics

The Private Investment Fund consists of private equity investments, which include six primary areas of strategic focus:

Buyout focused investments can be defined as controlling or majority investments in private equity or equity-like securities of more established companies on the basis of the company's asset values and/or cash flow.

Fund of Funds investments are investment funds which may have multiple areas of strategic focus. These funds invest in a multiple of selected private equity partnerships that invest in underlying companies.

Venture Capital focused investments can be narrowly defined as investments in the private equity or equity-like securities of developing companies in need of growth or expansion capital. These investments can range from early-stage financing, where a company has little more than a marketable idea, to expansion financing, where a company has a marketable product but requires additional capital to bring the product to market.

Mezzanine Debt focused investments can be defined as investments in securities located between equity and senior debt in the company's capital structure. Mezzanine debt investments offer higher current income than senior debt securities and often offer equity participation features that may take the form of warrants or contingent equity interests.

Special Situations focused investments can be defined as investments in a variety of securities (Debt, Preferred Equity, Common Equity) in portfolio companies at a variety of stages of development (Seed, Early Stage, Later Stage).

International Private Equity focused investments can be defined as investments in private equity or equitylike securities in companies located outside the continental United States. International Private Equity investments often offer more attractive return/risk characteristics as a result of the above average rates of growth available in select international economies.

Through June 30, 2004, the PIF had aggregate capital commitments in the amount of $\$ 3.8$ billion to 46 partnerships of which approximately 84 percent, or $\$ 3.2$ billion has been "drawn down" for investment purposes while the balance of approximately $\$ 600$ million or 16 percent is committed but uninvested. (See Figure 8-6.)

## Risk Profile

Given PIF's investment policy and objectives, the Fund is exposed to several forms of risk. These include, but are not limited to, risks attendant with alternative investments, such as management, operations, and product risk, as well as overall liquidity risk. Assuming these risks as part of a prudent, total portfolio strategy enables the Private Investment Fund to participate in the possibility of substantial long-term investment returns.

PIF's risk profile is complex given the valuation judgments and liquidity constraints placed on it due to its alternative investment strategy. PIF's volatility relative to its benchmark is .78 with a correlation .58 for the most recent fiscal year. The Fund has returned an annual alpha, or return relative to that predicted by its benchmark, of negative 2.29 (See Figure 8-2.)

Figure 8-1

## PRIVATE INVESTMENT FUND

Ownership Analysis at June 30, 2004 (\$ in millions)


TERF - Teachers' Retirement Fund
SERF - State Employees Retirement Fund
MERF - Connecticut Municipal Employees' Retirement Fund
Figure 8-3

## PRIVATEINVESTMENT FUND

Distribution by Industry at June 30, 2004
Based on Investments in Securities, at Value

(1) Includes Cash Reserve Account and cash and other assets at the partnership level.

Figure 8-5
PRIVATE INVESTMENT FUND
Periods ending June 30, 2004

|  | 1 YR | 3 YRS | 5 YRS | 10 YRS |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Compounded, Annual | Total Return (\%) |  |  |  |
| PIF | 20.21 | -1.90 | 6.37 | 11.57 |
| S \& P 500 | 19.11 | -0.69 | -2.21 | 11.83 |
| Venture Economics |  |  |  |  |
| $\quad$ All Private Equity | 21.49 | -3.06 | 8.66 | 17.50 |
|  |  |  |  |  |
| Cumulative Total Return (\%) |  |  |  |  |
| PIF | 20.21 | -5.59 | 36.18 | 198.77 |
| S \& P 500 | 19.11 | -2.07 | -10.55 | 205.81 |
| Venture Economics |  |  |  |  |
| $\quad$All Private Equity | 21.49 | -8.90 | 51.48 | 401.43 |
|  |  |  |  |  |

Figure 8-2

## PRIVATE INVESTMENT FUND ${ }^{(1)}$

Risk Profile at June 30, 2004

| Relative Volatility | 0.78 |
| :--- | ---: |
| Standard Deviation | 19.73 |
| $\mathrm{R}^{2}$ | 0.58 |
| Beta | 0.98 |
| Alpha | -2.29 |

(1) Based upon returns over the last five years.

Figure 8-4

## PRIVATE INVESTMENT FUND

Distribution by Geographic Location at June 30, 2004 Based on Investments in Securities, at Value

| Region | $\%$ |
| :--- | ---: |
| International | $19.58 \%$ |
| Mid-Atlantic | $19.15 \%$ |
| Southwest | $12.57 \%$ |
| West Coast | $12.41 \%$ |
| Southeast | $10.81 \%$ |
| Cash/Other Assets \& Liabilities (1) | $9.82 \%$ |
| MidWest | $8.11 \%$ |
| Northeast (Excludes Connecticut) | $4.98 \%$ |
| Connecticut | $2.47 \%$ |
| Unclassified (2) | $0.10 \%$ |
| TOTAL | $100.00 \%$ |

(1) Includes the Cash Reserve Account and cash and other assets at the partnership level.
(2) Unclassified represents fund of funds investments where region information could not be obtained.
Figure 8-6
PRIVATE INVESTMENT FUND
Distributed by Committed and Invested Capital
As of June 30, 2004 (\$ in millions)


Figure 8-7


Figure 8-8
PRIVATE INVESTMENT FUND
Components of Total Return (\$ in millions)


Figure 8-9

| PRIVATE INVESTMENT FUND <br> Ten Largest Holdings at June 30, 2004 |
| :--- |
|     <br>  Partnership Type Market  <br> Partnership Name Fund of Funds Value $\%$ <br> Constitution Liquidating Fund International $188,733,374$ $10.59 \%$ <br> Compass Partners European Equity Fund Buyout $7.21 \%$  <br> Hicks, Muse Tate \& Furst Equity Fund III International $99,325,655$ $5.58 \%$ <br> Carlyle Europe Partners Fund of Funds $93,108,125$ $5.23 \%$ <br> Landmark Private Equity Fund VIII International $74,809,087$ $4.20 \%$ <br> Gilbert Global Equity Partners Special Situations $73,709,355$ $4.14 \%$ <br> Washington \& Congress Capital Partners $62,577,487$ $3.51 \%$  <br> Welsh Carson Anderson \& Stowe Capital Partners III Special Situations $61,793,460$ $3.47 \%$ <br> SW Pelham Fund Mezzanine $59,843,450$ $3.36 \%$ <br> AIG Global Emerging Markets Fund International $44,983,108$ $2.53 \%$ <br> Top Ten  $\$ 887,401,013$ $49.82 \%$ |

Figure 8-10
PRIVATE INVESTMENT FUND
New Investments Made in Fiscal Year 2004 ${ }^{(1)}$ (in Excess of \$3 Million)

| Partnership Name | Market Value | Partnership Type | Inv. Date |
| :--- | :---: | :--- | :--- |
| KPS Special Situations Fund II | $\$ 4,920,813$ | Special Situations | February-04 |
| FS Equity Partners V | $\$ 4,749,891$ | Buyout | March-04 |
| Total | $\$ 9,670,704$ |  |  |

(1) These represent new private equity partnerships that were invested in by the Fund during fiscal year 2004.

Figure 8-11
PRIVATE INVESTMENT FUND
Investment Advisors at June 30, 2004

| Investment Advisor | Net Asset Value | \% of Fund |
| :---: | :---: | :---: |
| Buyout | \$495,296,733 | 27.74\% |
| Hicks, Muse Tate \& Furst Equity Fund III | 99,325,655 | 5.56\% |
| Thomas H. Lee Equity Fund IV | 40,530,051 | 2.27\% |
| Welsh Carson Anderson \& Stowe VIII | 38,138,425 | 2.14\% |
| Forstmann Little Equity Fund VI | 35,351,099 | 1.98\% |
| DLJ Merchant Banking Fund II | 34,349,185 | 1.92\% |
| Kelso Investment Associates VI | 31,968,776 | 1.79\% |
| SCP Private Equity Partners | 31,336,425 | 1.75\% |
| KKR 1996 Fund | 27,680,766 | 1.55\% |
| Blackstone Capital Partners III | 27,517,777 | 1.54\% |
| KKR Millennium Fund | 23,014,967 | 1.29\% |
| Veritas Capital Fund | 21,951,468 | 1.23\% |
| Green Equity Investors III | 21,387,859 | 1.20\% |
| Thayer Equity Investors IV | 19,927,426 | 1.12\% |
| Wellspring Capital Partners III | 19,920,770 | 1.12\% |
| Wellspring Capital Partners II | 18,146,193 | 1.01\% |
| FS Equity Partners V | 4,749,891 | 0.27\% |
| Venture Capital | 119,894,603 | 6.72\% |
| Crescendo World Fund | 25,844,664 | 1.45\% |
| Pioneer Ventures Associates | 19,831,942 | 1.11\% |
| Grotech Partners V | 19,399,391 | 1.09\% |
| RFE Investment Partners VI | 16,226,419 | 0.91\% |
| Shawmut Equity Partners | 15,356,279 | 0.86\% |
| Conning Capital Partners V | 15,037,189 | 0.84\% |
| Crescendo III | 4,801,954 | 0.27\% |
| Connecticut Greene Ventures | 2,435,152 | 0.14\% |
| Connecticut Futures Fund | 961,613 | 0.05\% |
| Mezzanine | 111,859,625 | 6.26\% |
| SW Pelham Fund | 59,843,450 | 3.35\% |
| GarMark Partners | 36,589,938 | 2.05\% |
| Triumph Connecticut | 8,744,565 | 0.49\% |
| SW Pelham Fund II | 6,681,672 | 0.37\% |
| International | 350,283,444 | 19.62\% |
| Compass Partners European Equity Fund | 128,517,911 | 7.20\% |
| Carlyle Europe Partners | 93,108,125 | 5.21\% |
| Gilbert Global Equity Partners | 73,709,355 | 4.13\% |
| AIG Global Emerging Markets Fund | 44,983,108 | 2.52\% |
| Carlyle Asia Partners | 9,964,945 | 0.56\% |
| Fund of Funds | 320,254,539 | 17.94\% |
| The Constitution Liquidating Fund | 188,733,374 | 10.57\% |
| Landmark Private Equity Fund VIII | 74,809,087 | 4.19\% |
| Goldman Sachs Private Equity Partners Connecticut | 37,766,444 | 2.12\% |
| Lexington Capital Partners II | 18,945,634 | 1.06\% |
| Special Situations | 208,493,302 | 11.68\% |
| Washington \& Congress Partners | 62,577,487 | 3.51\% |
| Welsh Carson Anderson \& Stowe Capital Partners III | 61,793,460 | 3.46\% |
| Greenwich Street Capital Partners II | 44,142,163 | 2.47\% |
| Forstmann Little MBO VII | 32,910,533 | 1.84\% |
| KPS Special Situations Fund II | 4,920,813 | 0.28\% |
| TCI Liquidating Trust | 2,148,846 | 0.12\% |
| Other ${ }^{(1)}$ | 179,283,790 | 10.04\% |

1) Other represents monies earmarked for distribution to participants, reinvestment, and expenses as well as terminated advisor balances, and CT Financial Development Fund and Keystone Venture V Partnerships.

CONNECTICUT STATETREASURER'S COMBINEDINVESTMENTFUNDS

## SCHEDULE OF INVESTMENT ADVISORS AND FEES IN EXCESS OF \$5,000 ${ }^{(1)}$ FOR PERIODS ENDED JUNE 30

| Name of Firm | Description of Services | Aggregate Compensation Paid in Fiscal Year: |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2004 | 2003 | 2002 | 2001 | 2000 |
| INVESTMENT ADVISORY SERVICES |  |  |  |  |  |  |
| Equity Advisory Services |  |  |  |  |  |  |
| Alliance Capital | Equity Advisor | - | - | 271,833 | - | 921,466 |
| AXA Rosenberg Institutional Equity Mgmt | Equity Advisor | 398,339 | 4,415,980 | 3,791,100 | 2,820,096 | 256,310 |
| Barclay's Global Investors | Equity Advisor | 12,202,021 | 3,660,715 | 11,228,122 | 11,373,864 | 2,194,491 |
| Brown Capital Management | Equity Advisor | 310,488 | 3,570,359 | 3,136,368 | 2,690,100 | 2,564,010 |
| Dresdner RCM Capital Management, LP | Equity Advisor | - | - | 479,497 | 2,554,926 | 1,794,348 |
| J. P. Morgan Investment Management | Equity Advisor | - | 495,062 | 6,227,366 | 695,103 | 10,316,165 |
| State Street Global Advisors | Equity Advisor | 224,895 | 180,278 | 170,554 | 213,097 | 221,156 |
| Thomas Weisel Partners (ValueQuest) | Equity Advisor | 192,152 | 1,843,059 | 1,602,094 | 489,868 | 464,716 |
| Travelers Investment Management | Equity Advisor | 451,208 | 1,954,445 | 304,869 | 334,000 | 1,240,306 |
| Trust Company of the West (Cowen) | Equity Advisor | 713,510 | 2,811,532 | 2,193,266 | 510,193 | 421,791 |
| Total Equity Advisor Compensation |  | \$14,492,613 | \$18,931,430 | \$29,405,069 | \$21,681,247 | \$20,394,759 |
| Fixed Income Investment Advisory Services |  |  |  |  |  |  |
| Blackrock Financial Management | Fixed Income Advisor | 1,551,082 | 1,564,472 | 1,536,082 | 1,455,319 | 1,628,201 |
| J. P. Morgan Investment Management | Fixed Income Advisor | - | 1,040,985 | 638,895 | 1,006,786 | 688,394 |
| Lazard Freres \& Co. | Fixed Income Advisor | - | - | - | - | 669,697 |
| Loomis Sayles \& Co., Inc. | Fixed Income Advisor | 442,948 | 349,996 | 402,555 | 485,885 | 475,810 |
| Mitchell Hutchins Institutional Inv. | Fixed Income Advisor | - | - | - | 433,022 | 591,975 |
| Oaktree Capital Management | Fixed Income Advisor | 436,777 | 3,972,291 | 4,459,895 | 2,731,678 | 2,633,017 |
| Phoenix Investment Counsel | Fixed Income Advisor | 555,554 | 548,544 | 547,956 | 531,553 | 531,955 |
| Spectrum Asset Management | Fixed Income Advisor | - | - | - | - | 5,415 |
| State Street Global Advisors | Fixed Income Advisor | 558,591 | 595,189 | 577,503 | 544,200 | 492,115 |
| W. R. Huff Asset Management | Fixed Income Advisor | 1,930,812 | 220,244 | 259,026 | 394,261 | 968,932 |
| Wellington Asset Management | Fixed Income Advisor | 1,044,851 | 1,020,074 | 1,016,323 | 877,447 | 1,077,393 |
| Western Asset Management | Fixed Income Advisor | 1,439,163 | 1,394,515 | 1,122,126 | 1,098,081 | 1,089,776 |
| Total Fixed Income Advisor Compensation |  | \$7,959,778 | \$10,706,310 | \$10,560,361 | \$9,558,232\$ | \$10,852,680 |


| Cash Reserve Account Advisory Services <br> State Street Global Advisors | Cash Rsrv Acct Advisor | 343,500 | 337,930 | 279,877 | 287,159 | 260,341 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total Cash Reserve Account Advisor Comp | mpensation | \$343,500 | \$337,930 | \$279,877 | \$287,159 | \$260,341 |
| International Equity Investment Advisory | Services |  |  |  |  |  |
| Clay Finlay Inc. | Intrntl Equity Advisor | 672,644 |  |  |  |  |
| DSI International Management | Intrntl Equity Advisor | 171,369 | 387,630 | 288,440 | 190,729 | 515,452 |
| Fidelity Management Trust Company | Intrntl Equity Advisor | 596,400 |  |  | - |  |
| Grantham, Mayo, Van Otterloo \& Co. | Intrntl Equity Advisor | 4,660,885 | 5,272,027 | 5,278,524 | 1,789,666 | 1,532,995 |
| Invesco Global Asset Management | Intrntl Equity Advisor | 792,995 |  |  |  |  |
| Merrill Lynch Investment Managers | Intrntl Equity Advisor | 224,242 |  |  | - |  |
| MFS Institutional Advisors | Intrntl Equity Advisor | 429,571 | - | - | - |  |
| Morgan Stanely Asset Management | Intrntl Equity Advisor | 6,208,561 | 7,934,234 | 3,549,750 | 1,541,202 | - |
| Pictet International Management | Intrntl Equity Advisor | 1,033,413 | 399,250 | 370,878 | 507,752 | 2,567,976 |
| Salomon Smith Barney Capital Mgmt | Intrntl Equity Advisor | 27,331 | 139,644 | 179,468 | 1,026,401 | 130,198 |
| Schroder Investment Management | Intrntl Equity Advisor | 498,259 |  |  | - | - |
| State Street Global Advisors | Intrntl Equity Advisor | 377,112 | 389,283 | 457,766 | 596,450 | 557,803 |
| Total International Equity Advisor Compensation |  | \$15,692,782 | \$14,522,068 | \$10,124,826 | \$5,652,200 | \$5,304,424 |

## Real Estate Investment Advisory Services ${ }^{(2)}$

| AEW Capital Management, L.P. | Real Estate Advisor | 128,528 | 128,528 | 96,396 | 142,277 | 408,780 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AEW Partners III,LP | Real Estate Advisor | 687,887 | 841,315 | 1,165,214 | 2,651,532 | - |
| Apollo Real Estate Investment Fund III | Real Estate Advisor | 813,195 | 915,423 | 605,997 | 933,662 | 933,661 |
| CIGNA/TimeSquare Real Estate Investors | Real Estate Advisor | 6,841 | 11,921 | 8,083 | - | 101,942 |
| The RREEF Funds | Real Estate Advisor | - | - | - | - | 23,435 |
| Sentinel Real Estate Corporation | Real Estate Advisor | - | - | - | - | 30,922 |

## SCHEDULE OF INVESTMENT ADVISORS AND FEES IN EXCESS OF \$5,000 ${ }^{(1)}$ FOR PERIODS ENDED JUNE 30 (Continued)

| Name of Firm | Description of Services | Aggregate Compensation Paid in Fiscal Year: |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2004 | 2003 | 2002 | 2001 | 2000 |
| Wachovia Corporation | Real Estate Advisor | 126,874 | 161,884 | 182,301 | 148,362 | 130,556 |
| Westport Senior Living Fund | Real Estate Advisor | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | 1,350,000 |
| Total Real Estate Advisor Compensation |  | \$3,563,325 | \$3,857,991 | \$5,675,833 | \$2,979,296 | \$1,407,017 |


| Commercial Mortgage Investment Advisory Services ${ }^{(2)}$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AEW Capital Management, L.P. | Comm Mortgage Advisor | 327,489 | 417,400 | 442,777 | 566,633 | 763,333 |
| Total Commercial Mortgage Advisor Compensation |  | \$327,489 | \$417,400 | \$442,777 | \$566,633 | \$763,333 |
| Private Investment Advisory Services ${ }^{(2)}$ |  |  |  |  |  |  |
| AIG Global Emerging Mkts Fund LP | Private Inv Advisor | 1,502,251 | 1,876,712 | 2,500,000 | 2,496,557 | 2,503,443 |
| Blackstone Capital Partners III LP | Private Inv Advisor |  | 111,459 | 299,279 | 287,977 | 88,541 |
| Carlyle Asia Partners LP | Private Inv Advisor | 500,000 | 1,500,000 | 500,000 | 898,690 | 1,500,000 |
| Carlyle European Partners LP | Private Inv Advisor | 1,400,977 | 1,523,965 | 1,330,240 | 1,435,628 | 1,674,004 |
| Compass European Partners LP | Private Inv Advisor | 1,125,000 | 2,664,509 | 2,132,547 | 1,816,411 | 727,363 |
| Conning Insurance Capital Fund V LP | Private Inv Advisor |  | - |  |  | 250,000 |
| Cresendo World Fund LLC | Private Inv Advisor |  |  |  | 400,000 | 400,000 |
| Crossroads Constitution Fund LP | Private Inv Advisor |  | - |  |  | 1,361,250 |
| CT Greene Ventures LP | Private Inv Advisor |  | 5,500 | 375,000 | 375,000 | 375,000 |
| DLJ Merchant Banking Fund II LP | Private Inv Advisor | 395,351 | 709,948 | 502,725 | 850,758 | 1,089,908 |
| Forstmann Little \& Company | Private Inv Advisor | 481,605 | 410,644 | 753,337 | 2,650,000 | 2,416,667 |
| FS Equity Partners V LP | Private Inv Advisor | 1,291,089 | - | - |  |  |
| Garmark Partners LP | Private Inv Advisor | 402,430 | 977,298 | 957,708 | 726,059 | 1,020,360 |
| Gilbert Global Equity Partners LP | Private Inv Advisor | 2,250,000 | 2,250,000 | 2,250,000 | 2,250,000 | 2,250,000 |
| Goldman Sachs Private Equity Fund LP | Private Inv Advisor | 496,208 | 552,972 | 995,037 | 1,000,000 | 696,531 |
| Green Equity III LP | Private Inv Advisor | 180,504 | 204,303 | 122,619 | 84,989 | 329,907 |
| Greenwich Street Capital Partners II LP | Private Inv Advisor | 549,246 | 783,424 | 381,069 | 784,121 | 371,517 |
| Hicks Muse Tate \& Furst Equity Fund III LP | Private Inv Advisor |  |  |  |  | 469,788 |
| Kelso Investment Associates VI LP | Private Inv Advisor | 465,856 | 623,856 | 626,046 | 576,523 | 594,158 |
| Keystone Ventures V LP | Private Inv Advisor |  |  |  |  | 402,725 |
| KKR 1996 Fund LP | Private Inv Advisor | - | - | 411,808 | 427,373 | 401,764 |
| KKR Millenium Fund LP | Private Inv Advisor | 1,128,044 | 1,202,159 |  | - | - |
| KPS Special Situations Fund II LP | Private Inv Advisor | 694,499 | - |  |  | - |
| Lexington Capital Partners II LP | Private Inv Advisor | - | - | - | - | 57,060 |
| Pioneer Venture Associates LP | Private Inv Advisor | 334,987 | 494,888 | 162,954 | 148,115 | 603,281 |
| SCP Private Equity Fund LP | Private Inv Advisor | 460,495 | 912,661 | 671,456 | 1,063,009 | 718,750 |
| Shawmut Capital Partners LP | Private Inv Advisor | 622,882 | 1,640,625 | 984,375 | 1,312,500 | 1,312,500 |
| SW Pelham Fund LP | Private Inv Advisor | 206,529 | 150,000 | 750,000 | 750,000 | 562,500 |
| Thayer Equity Investors IV LP | Private Inv Advisor | 682,284 | 898,189 | 833,101 | 805,946 | 835,341 |
| THE Equity Advisors IV LLC | Private Inv Advisor | 127,927 | 278,114 | - | - | 384,897 |
| Triumph Connecticut LP | Private Inv Advisor |  | 191,212 | 380,931 | 253,238 | 101,476 |
| Triumph Partners III LP | Private Inv Advisor | 1,005,993 | 576,721 | 1,712,341 | 2,829,409 | 2,681,301 |
| Veritas Capital Fund LP | Private Inv Advisor |  | 819,982 | 612,500 | 1,362,162 | 2,190,279 |
| Washington and Congress (Triumph Partners III) | Private Inv Advisor | 342,501 | - |  |  |  |
| Wellspring Capital Partners II LP | Private Inv Advisor | - | 693,423 | 1,000,000 | 1,000,000 | 1,000,000 |
| Wellspring Capital Partners III LP | Private Inv Advisor | 1,191,570 | 1,000,000 | - | - | - |
| Woodside Capital Management LLC | Private Inv Advisor | - | - | 6,219 | 291,767 |  |
| Total Private Investment Advisor Compensation |  | \$17,838,228 | \$23,052,564 | \$21,251,292 | \$26,876,232 | 29,370,311 |
| TOTAL COMPENSATION TO INVESTMENT ADVISORS |  | \$60,217,715 | \$71,826,773 | \$75,922,193 | \$70,297,536 | 699,925,144 |

## CUSTODYSERVICES

|  | Custody of Assets | $1,644,976$ | 584,990 | 950,955 | $\mathbf{1 , 3 6 5 , 2 0 0}$ | $\mathbf{1 , 3 2 2 , 5 0 0}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| State Street Bank \& Trust | $\mathbf{\$ 1 , 6 4 4 , 9 7 6}$ | $\mathbf{\$ 5 8 4 , 9 9 0}$ | $\mathbf{\$ 9 5 0 , 9 5 5}$ | $\mathbf{\$ 1 , 3 6 5 , 2 0 0}$ | $\mathbf{\$ 1 , 3 2 2 , 5 0 0}$ |  |
| TOTAL CUSTODY SERVICES COMPENSATION |  |  |  |  |  |  |

[^1] partnership level. Netted amounts are disclosed in Note 1 of the Combined Investment Funds Financial Statements.

SCHEDULE OF BROKERAGE COMMISSIONS FOR THE FISCAL YEAR ENDED JUNE 30, 2004

| Broker Name | \$ Commission | Shares/ Par Value | Avg Comm | Broker Name | \$ Commission | Shares/ <br> Par Value | Avg Comm |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ABEL NOSER CORPORATION | \$18,904.11 | 606,121.00 | 0.031 | CAZENOVEASIALTD | 3,786.96 | 101,754.00 | 0.037 |
| ABG SECURITIES | 19,009.74 | 707,916.00 | 0.027 | CAZENOVE INCORPORATED | 2,476.44 | 126,000.00 | 0.020 |
| ABG SECURITIES AS (STOCKHOLM) | 1,777.53 | 38,900.00 | 0.046 | CDC IXIS SECURITIES | 858.77 | 12,894.00 | 0.067 |
| ABG SECURITIES INC | 308.49 | 55,900.00 | 0.006 | CHARLES SCHWAB CO INC | 55,447.28 | 1,462,207.00 | 0.038 |
| ABM AMRO HOARE GOVETT ASIA LTD, SEOUL | 374.84 | 47,000.00 | 0.008 | CHASE MANHATTAN | 1,528.56 | 84,600.00 | 0.018 |
| ABN AMRO | 343.78 | 2,741,810.71 | 0.000 | CHEUVREUXDE VIRIEU | 8,753.39 | 134,736.00 | 0.065 |
| ABN AMRO ASIA LIMITED | 53,498.75 | 26,482,736.00 | 0.002 | CHEVREUX INTERNATIONAL | 3,092.77 | 101,301.00 | 0.031 |
| ABN AMRO ASIA SECURITIES (SINGAPORE) PTE | 18,762.63 | 12,857,642.00 | 0.001 | CHINA INTRTNL CAP CORP HK SECS LTD | 2,194.71 | 1,972,000.00 | 0.001 |
| ABN AMRO ASIA SERVICES | 163.08 | 80,000.00 | 0.002 | CI NORDICSECURITIES AB | 7,170.39 | 357,975.00 | 0.020 |
| ABN AMRO EQUITIES (UK) LTD LONDON | 51,325.29 | 3,828,799.00 | 0.013 | CIBC WORLD MARKETS CORP | 51,319.03 | 1,056,560.00 | 0.049 |
| ABN AMRO EQUITIES AUSTRALIA LTD. | 6,002.19 | 449,400.00 | 0.013 | CIC SECURITIES | 146.86 | 642.00 | 0.229 |
| ABN AMRO SECURITIES (USA) INC | 63,867.13 | 8,761,074.00 | 0.007 | CITIBANK N.A. | 1,488.55 | 118,297.00 | 0.013 |
| ABN AMRO SECURITIES LLC | 2,725.00 | 408,250.00 | 0.007 | CITIGROUPGLOBAL MARKETS | 216.12 | 9,200.00 | 0.023 |
| ADAMS HARKNESS + HILL,INC | 15,771.00 | 358,400.00 | 0.044 | CITIGROUPGLOBAL MARKETS ASIA LIMITED | 9,959.88 | 2,727,752.00 | 0.004 |
| ALBERT E SHARP | 2,425.75 | 371,717.00 | 0.007 | CITIGROUPGLOBAL MARKETS AUSTRALIA PTR | 18,890.40 | 1,182,770.00 | 0.016 |
| ALPHA BANK LONDON LIMITED | 15,647.52 | 875,649,000.00 | 0.000 | CITIGROUPGLOBAL MARKETS INC | 1,132,426.74 | 89,942,812.00 | 0.013 |
| ALPHA BROKERAGEAE | 12,448.97 | 509,093.00 | 0.024 | CITIGROUPGLOBAL MARKETS INC/SALOMON BRO | 52,762.33 | 279,289,244.00 | 0.000 |
| ALPHA FINANCE | 787.91 | 29,019,000.00 | 0.000 | CITIGROUPGLOBAL MARKETS LIMITED | 309,855.14 | 25,694,391.00 | 0.012 |
| ARNHOLD S BLEICHROEDER INC | 35,503.47 | 160,462,856.00 | 0.000 | CITIGROUPGLOBAL MARKETS UK EQUITY LTD | 50,798.20 | 7,354,768.00 | 0.007 |
| ARNOLD \& BLEICHRODER, INC. | 3,564.02 | 126,257,538.00 | 0.000 | CLSA SINGAPORE PTE LTD | 1,416.84 | 92,200.00 | 0.015 |
| ATASECURITIES INC. (ISTANBUL) | 10,168.43 | 566,712,000.00 | 0.000 | COBURN \& MEREDITH, INC(CLR.THRU 443) | 4,957.45 | 99,149.00 | 0.050 |
| AUERBACH GRAYSON AND COMPANY | 28,336.06 | 449,993.00 | 0.063 | COLLINS STEWART | 3,159.84 | 88,050.00 | 0.036 |
| B RILEY AND CO INC. | 1,985.00 | 39,700.00 | 0.050 | COLLINS STEWART + CO | 3.05 | 100.00 | 0.031 |
| BAIRD, ROBERT W., \& COMPANY INCORPORATED | 12,449.50 | 248,998.00 | 0.050 | COMMERZBANK AG | 8,321.11 | 124,731.00 | 0.067 |
| BANC/AMERICA SECUR.LLC MONTGOMEY DIV | 146,304.96 | 3,795,644.00 | 0.039 | COMMERZBANK AG LONDON | 2,380.70 | 129,600.00 | 0.018 |
| BANCO BILBAO VIZCAYA | 5,174.06 | 155,214.00 | 0.033 | CORRESPONDENT SERVICES, INC | 7,064.20 | 179,124.00 | 0.039 |
| BANCO ITAU SA | 12,575.63 | 190,231,000.00 | 0.000 | CREDIT AGRICLE INDOSUEZ | 1,988.89 | 117,362.00 | 0.017 |
| BANCO PACTUAL S.A. | 5,155.81 | 29,604,000.00 | 0.000 | CREDIT AGRICOLE INDOSUEZ | 8,502.99 | 76,744.00 | 0.111 |
| BANCO SANTANDER CENTRAL HISPANO | 65,348.52 | 98,707,513.00 | 0.001 | CREDIT AGRICOLE INDOSUEZ CHEUVREUX | 19,803.44 | 293,002.00 | 0.068 |
| BANCO SANTANDER CENTRAL HISPANO SA | 866.54 | 15,924,300.00 | 0.000 | CREDIT LYONNAIS | 2,511.94 | 906,875.00 | 0.003 |
| BANCO SANTANDER DE NEGOCIOS | 2,505.69 | 226,800.00 | 0.011 | CREDIT LYONNAIS SECS | 6,340.43 | 643,115.00 | 0.010 |
| BANCO SANTANDER S.A., HONG KONG | 24.57 | 3,200.00 | 0.008 | CREDIT LYONNAIS SECURITIES | 37,880.91 | 7,362,184.00 | 0.005 |
| BANCOVAL S.A | 1,265.40 | 49,500.00 | 0.026 | CREDIT LYONNAIS SECURITIES (USA) INC | 173,288.62 1, | 1,888,747,261.00 | 0.000 |
| BANK AM BELLEVUE | 1,381.60 | 9,276.00 | 0.149 | CREDIT LYONNAIS SECURITIES ASIA/GUERNSEY | 13,319.44 | 16,544,348.00 | 0.001 |
| BANK INSINGER DE BEAUFORT N V | 511.43 | 10,000.00 | 0.051 | CREDIT LYONNAIS SECURITIES(ASIA) | 8,544.98 | 10,008,359.00 | 0.001 |
| BANK JULIUS BAER AND CO.LTD. | 504.09 | 773.00 | 0.652 | CREDIT SUISSE FIRST BOSTON | 106,821.77 | 66,412,743.00 | 0.002 |
| BANK OF AMERICA EMM | 517.50 | 13,000.00 | 0.040 | CREDIT SUISSE FIRST BOSTON (EUROPE) | 1,444.18 | 1,010.00 | 1.430 |
| BANK OF AMERICA INTERNATIONAL, NEW YORK | 874.09 | 72,100.00 | 0.012 | CREDIT SUISSE FIRST BOSTON (EUROPE) LTD | 35,642.31 | 2,494,031.00 | 0.014 |
| BANK SARASIN AND CIE, ZURICH | 620.28 | 5,405.00 | 0.115 | CREDIT SUISSE FIRST BOSTON CORPORATION | 645,216.55 | 33,137,267.00 | 0.019 |
| BANKERS TRUST COMPANY | 4,406.16 | 302,715.00 | 0.015 | CREDIT SUISSE FIRST BOSTON EQUITIES (EUR | 116,947.94 | 12,148,676.00 | 0.010 |
| BANQUE NATIONAL DE PARIS | 430.50 | 140,000.00 | 0.003 | CREDIT SUISSE FIRST BOSTON LONDON | 6,997.10 | 451,752.00 | 0.015 |
| BANQUE NATIONALE DE PARIS, LON | 36,369.16 | 2,568,052.00 | 0.014 | CREDIT USA | 1,806.00 | 51,000.00 | 0.035 |
| BARING SECURITIES (HONG KONG) | 21,867.16 | 7,798,620.10 | 0.003 | CS FIRST BOSTON | 2,788.18 | 1,729,900.00 | 0.002 |
| BARNARD JACOBS AND CO (PTY) LTD | 2,468.96 | 842,900.00 | 0.003 | CS FIRST BOSTON (HONG KONG) LIMITED | 35,431.68 | 7,605,522.00 | 0.005 |
| BARNARD JACOBS MELLETS NY | 1,726.19 | 154,024.00 | 0.011 | CSFB AUSTRALIA EQUITIES LTD | 3,801.15 | 255,532.00 | 0.015 |
| BARNARD JACOBS MELLETT AND CO (PTY) | 1,529.05 | 10,100.00 | 0.151 | CSFB EQUITIES 1 CABOT SQUARE | 1,156.24 | 67,700.00 | 0.017 |
| BAYERISCHE HYPO- UND VEREINSBANK MUNICH | 2,605.78 | 46,800.00 | 0.056 | D CARNEGIE AG | 3,302.01 | 67,820.00 | 0.049 |
| BAYERISCHE HYPO-UND VEREINSBAN | 1,718.81 | 32,950.00 | 0.052 | DAEWOO SECURITIES CO LTD | 3,261.24 | 99,530.00 | 0.033 |
| BEAR STEARNS + CO INC | 44,189.96 | 1,009,345.00 | 0.044 | DAIWA SBCM EUROPE | 22,596.53 | 1,561,400.00 | 0.014 |
| BEAR STEARNS ASIA LTD | 3,234.70 | 763,000.00 | 0.004 | DAIWA SECURITES SB CAPITAL MA | 3,649.74 | 317,500.00 | 0.011 |
| BEAR STEARNS INTERNATIONAL TRADING | 1,015.01 | 14,415.00 | 0.070 | DAIWA SECURITIES AMERICA INC | 14,816.98 | 442,263.00 | 0.034 |
| BEAR STEARNS SECURITIES CORP | 85,205.86 | 11,011,857.00 | 0.008 | DAVIDSON D.A. + COMPANY INC. | 10,272.00 | 250,600.00 | 0.041 |
| BHF SECURITIES CORPORATION | 86,393.77 | 29,344,467.00 | 0.003 | DAVY (J+E) | 21,096.94 | 914,809.00 | 0.023 |
| BLAYLOCK + PARTNERS LP | 4,240.00 | 84,800.00 | 0.050 | DB CLEARING SERVICES | 1,584.00 | 39,600.00 | 0.040 |
| BNP PARIBAS | 185.04 | 76,000.00 | 0.002 | DBS SECURITIES (S) PTE LTD. | 10,658.51 | 1,663,200.00 | 0.006 |
| BNP PARIBAS PEREGRINE SECS LTASIA | 13,665.84 | 23,077,060.00 | 0.001 | DBS VICKERS (HONG KONG) LIMITED | 4,109.29 | 2,689,585.00 | 0.002 |
| BNP PARIBAS SECURITIES SERVICES | 516.27 | 216,950.00 | 0.002 | DBS VICKERS SECS PTE LTD | 14,084.20 | 6,266,600.00 | 0.002 |
| BNY BROKERAGE INC | 20,286.88 | 497,200.00 | 0.041 | DBS VICKERS SECURITIES(THAILAND) | 5,487.36 | 1,054,200.00 | 0.005 |
| BNY CLEARING SERVICES INTL | 5,068.29 | 753,869.00 | 0.007 | DEN DANSKE BANK | 10,104.76 | 167,189.00 | 0.060 |
| BNY CLEARING SERVICES LLC | 636.57 | 495,139,490.00 | 0.000 | DEUTCHE BANK | 536.00 | 13,400.00 | 0.040 |
| BNY CLEARING SERVICES LLC (BNY) | 1,421.20 | 58,962.00 | 0.024 | DEUTSCHE BANK AG LONDON | 616,249.53 2, | 2,072,709,022.00 | 0.000 |
| BOCI SECURITIES LTD. | 718.18 | 100,000.00 | 0.007 | DEUTSCHE BANK SECURITIES | 12,821.91 | 741,554.00 | 0.017 |
| BOLSADE VALORES DE BILBAO | 74.50 | 3,700.00 | 0.020 | DEUTSCHE BANK SECURITIES INC | 696,888.41 | 67,929,329.00 | 0.010 |
| BOSTON INSTITUTIONAL SERVICES | 1,652.00 | 41,300.00 | 0.040 | DEUTSCHE BANK SECURITIES, INC | 63,467.35 | 12,581,108.00 | 0.005 |
| BROCKHOUSE + COOPER INC MONTREAL | 14,784.85 | 1,747,036.00 | 0.008 | DEUTSCHE MORGAN GRENFELL INC. | 17,015.89 | 1,256,224.00 | 0.014 |
| B-TRADE SERVICES LLC | 22,502.07 | 1,537,359.00 | 0.015 | DEUTSCHE MORGAN GRENFELL SECS | 23,562.38 | 13,280,400.00 | 0.002 |
| BUCKINGHAM RESEARCH GROUP | 9,695.00 | 193,900.00 | 0.050 | DEUTSCHE SECURITIES ASIA LIMITED | 36,352.49 | 22,529,950.00 | 0.002 |
| C. L. GLAZER \& COMPANY, INC. | 24,267.55 | 485,351.00 | 0.050 | DEUTSCHE SECURITIES ASIA LTD | 3,054.77 | 19,050.00 | 0.160 |
| C.E. UNTERBERG, TOWBIN | 4,016.00 | 100,400.00 | 0.040 | DEUTSCHE SECURITIES LTD | 2,087.42 | 121,000.00 | 0.017 |
| CAI CHEUVREUX LONDON | 215.65 | 4,050.00 | 0.053 | DIVIDEND REINVEST | 823.44 | 160,752.80 | 0.005 |
| CAISSE DES DEPOTS ET CONSIGNATIONS | 1,602.91 | 8,379.00 | 0.191 | DONGWON SECURITIES | 2,596.05 | 491,357.00 | 0.005 |
| CANADIAN IMPERIAL BANK OF COMMERCE | 1,040.20 | 26,300.00 | 0.040 | DOWLING \&PARTNERS SECURITIES, LLC. | 5,454.25 | 109,085.00 | 0.050 |
| CANTOR FITZ EUR 2 | 7,217.68 | 523,841.00 | 0.014 | DRESDNER BANK AG LONDON | 4,197.90 | 44,700.00 | 0.094 |
| CANTOR FITZGERALD + CO | 305.74 | 295.00 | 1.036 | DRESDNER BANK AG NEW YORK | 7,919.06 | 298,600.00 | 0.027 |
| CANTOR FITZGERALD + CO. | 196,343.07 | 5,336,620.00 | 0.037 | DRESDNER KLEINWORT BENSON NORTH AMERICA | 6,572.36 | 67,350.00 | 0.098 |
| CANTOR FITZGERALDINTERNATIONAL | 3,783.75 | 1,197,241.00 | 0.003 | DRESDNER KLEINWORTH WASSERSTEIN SEC LLC | 16,408.73 | 1,058,700.00 | 0.015 |
| CANTOR FRITZGERALD EUROPE | 378.82 | 13,900.00 | 0.027 | DUPONT DENANT S.A. | 182.75 | 2,000.00 | 0.091 |
| CAPEL CURE SHARP LTD. | 383.96 | 67,175.00 | 0.006 | E TRADE SECURITIES, INC | 1,872.00 | 46,800.00 | 0.040 |
| CAPITAL INSTITUTIONAL SERVICES | 31,313.65 | 626,273.00 | 0.050 | EDWARDS AG SONS INC | 3,816.00 | 95,400.00 | 0.040 |
| CARNEGIE BK | 3,050.42 | 1,580,793.00 | 0.002 | ENGELMANSECURITIES | 1,818.00 | 40,400.00 | 0.045 |
| CARNEGIE FONDKOMISSION | 2,980.65 | 103,600.00 | 0.029 | ENSKILDA SECURITIES AB | 26,098.49 | 1,152,690.00 | 0.023 |
| CARNEGIE INT'L LND | 4,163.46 | 118,914.00 | 0.035 | EUROMOBILIARE SIM S.P.A. | 410.00 | 13,000.00 | 0.032 |
| CARNEGIE SECURITIES FINLAND | 797.71 | 30,700.00 | 0.026 | EUROPEENNE D INTERMEDIATION FIN | 2,077.20 | 20,955.00 | 0.099 |
| CASA DE BOLSA BANORTE SA DE CV | 4,244.65 | 852,200.00 | 0.005 | EXANE INC | 9,737.97 | 31,600.00 | 0.308 |
| CAZENOVE + CO | 45,664.52 | 3,605,142.00 | 0.013 | EXANE S.A. | 19,524.86 | 381,731.00 | 0.051 |
| CAZENOVE + CO. | 11,789.61 | 583,806.00 | 0.020 | EXANE SA | 1,382.07 | 19,275.00 | 0.072 |

## SCHEDULE OF BROKERAGE COMMISSIONS (Continued) FOR THE FISCAL YEAR ENDED JUNE 30, 2004

| Broker Name | \$ Commission | Shares/ Par Value | Avg Comm | Broker Name | \$ <br> Commission | Shares/ <br> n Par Value | Avg Comm |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| EXECUTIONLIMITED | 3,283.88 | 311,225.00 | 0.011 | ISIGROUPINC | 25,311.00 | 506,300.00 | 0.050 |
| EXECUTIONLTD | 222.03 | 7,100.00 | 0.031 | ITAU CORRETORA VALOR | 139.07 | 2,048,000.00 | 0.000 |
| F P MAGLIO + CO INC | 384.00 | 12,800.00 | 0.030 | ITG AUSTRALIALTD. | 466.42 | 58,000.00 | 0.008 |
| FACTSET DATA SYSTEMS (THRU BEAR STEARNS) | 1,345.00 | 26,900.00 | 0.050 | ITG INC | 200.10 | 26,200.00 | 0.008 |
| FAHNESTOCK \& COMPANY, INC. | 8,766.00 | 194,800.00 | 0.045 | ITG SECURITIES (HK) LTD | 40.82 | 124,000.00 | 0.000 |
| FERRIS BAKER WATTS INC | 625.00 | 12,500.00 | 0.050 | JAND E DAVY | 2,066.08 | 187,925.00 | 0.011 |
| FIDELITY CAPITAL MARKETS | 62,614.69 | 1,447,874.00 | 0.043 | J B WERE + SON LIMITED | 3,268.93 | 298,764.00 | 0.011 |
| FIDENTIIS | 1,766.86 | 46,852.00 | 0.038 | JB WERE AND SON | 11,444.16 | 739,431.00 | 0.015 |
| FIDENTIISEQTYS SVSA ES | 125.88 | 1,508.00 | 0.083 | J B WERE AND SON INC. | 5,695.66 | 894,446.00 | 0.006 |
| FIMAGEST S.A. | 1,193.37 | 54,816,700.00 | 0.000 | J P MORGAN SECURITIES INC | 228,749.97 | 5,780,563.00 | 0.040 |
| FINANCIALBROKERAGE GROUP (FBG) | 19,450.05 | 256,457.00 | 0.076 | JACKSON SECURITIES | 19,160.22 | 430,356.00 | 0.045 |
| FINANCIALSECURITY CORP | 2,000.00 | 100,000.00 | 0.020 | JAMES CAPEL SA | 258.43 | 22,900.00 | 0.011 |
| FINANCIALSERVICE COMPANY | 11,625.20 | 581,260.00 | 0.020 | JANNEY MONTGOMERY, SCOTT INC | 4,156.00 | 85,300.00 | 0.049 |
| FINANCIALSERVICE CORPORATION OF AMERICA | 5,453.26 | 297,263.00 | 0.018 | JB WERE AND SON (NZ) LTD | 1,372.84 | 142,500.00 | 0.010 |
| FIRSTALBANY CAPITAL INC. | 6,952.50 | 139,050.00 | 0.050 | JEFFERIESCOMPANY INC | 237,940.82 | 5,916,469.00 | 0.040 |
| FIRST ALBANY CORP. | 5,635.00 | 112,700.00 | 0.050 | JERMY CAPITAL PARTNERS | 452.00 | 11,300.00 | 0.040 |
| FIRST CLEARING, LLC | 25,039.50 | 733,713.00 | 0.034 | JERMYN CAPITAL PARTNERS PLC | 704.00 | 17,600.00 | 0.040 |
| FIRST SOUTHWEST COMPANY | 20,411.87 | 496,584.00 | 0.041 | JMP SECURITIES | 5,915.00 | 118,300.00 | 0.050 |
| FIRST UNION CAPITAL MARKETS | 25,005.41 | 539,807.00 | 0.046 | JOH BERENBERG GOSSLER AND CO | 10,632.78 | 179,378.00 | 0.059 |
| FORTIS BANK (NEDERLAND) N.V. | 137.85 | 7,501.00 | 0.018 | JOHNSON RICE + CO | 8,628.00 | 172,560.00 | 0.050 |
| FOX PITT KELTON (ASIA)LTD | 818.40 | 43,000.00 | 0.019 | JONES \& ASSOCIATES INC | 164,828.16 | 4,515,314.00 | 0.037 |
| FOX PITT KELTON INC | 3,671.21 | 64,200.00 | 0.057 | JP MORGAN | 6,898.04 | 927,273.00 | 0.007 |
| FOX PITT,KELTON INC. | 340.82 | 23,300.00 | 0.015 | JP MORGANBROKING HK LIMITED | 129.70 | 14,000.00 | 0.009 |
| FOX-PITT KELTON LTD | 14,049.34 | 311,809.00 | 0.045 | JP MORGANINTERNATIONAL BANK LTD | 6,522.24 | 252,160.00 | 0.026 |
| FRIEDMAN BILLINGS + RAMSEY | 15,960.00 | 319,200.00 | 0.050 | JP MORGANSECS LTD | 301.07 | 29,700.00 | 0.010 |
| FULCRUM GLOBAL PARTNERS LLC | 40,065.13 | 1,053,503.00 | 0.038 | JP MORGANSECURITIES AUSTRALIA LTD | 5,459.84 | 686,064.00 | 0.008 |
| G TRADE SERVICES LTD | 577.30 | 139,800.00 | 0.004 | JP MORGANSECURITIES INC | 114,565.12 | 57,044,877.00 | 0.002 |
| GARANTIA DTVM S/A | 2,254.62 | 43,400.00 | 0.052 | JP MORGANSECURITIES LIMITED | 131,986.52 | 10,088,086.00 | 0.013 |
| GARBAN EQUITIES LIMITED LONDON | 718.65 | 328,136.00 | 0.002 | JPMORG SEC(FAR EAST)LTD SEOUL | 3,337.10 | 16,090.00 | 0.207 |
| GEDIK MENKUL DEGERLER | 14,115.72 | 569,120,348.00 | 0.000 | JPMORGAN CHASE BANK | 3,682.59 | 158,200.00 | 0.023 |
| GK GOH SECURITIES (HK) LTD. | 248.10 | 19,000.00 | 0.013 | JPMORGAN CHASE BANK/CORRESPONDENT CLR SV | 100.00 | 309,900.00 | 0.000 |
| GLOBAL SECURITIES INC. (ISTANBUL) | 2,961.55 | 303,710,088.00 | 0.000 | JPMORGAN CHASE/RBS | 292.00 | 7,300.00 | 0.040 |
| GOLDMAN SACHS (ASIA) LLC | 1,127.11 | 3,020.00 | 0.373 | JPMORGAN SECURITIES(ASIA PACIFIC)LTD | 50,455.97 | 63,075,185.00 | 0.001 |
| GOLDMAN SACHS + CO | 794,388.20 | 52,932,679.00 | 0.015 | JULIUS BAER BROKERAGE SA | 2,357.35 | 30,857.00 | 0.076 |
| GOLDMAN SACHS AND COMPANY | 8,712.83 | 473,817.00 | 0.018 | KBC BANK NV | 4,368.96 | 54,426.00 | 0.080 |
| GOLDMAN SACHS EQUITY SECURITES (UK) LTD | 7,962.94 | 179,200.00 | 0.044 | KBC FINANCIAL PRODUCTS UK LTD | 52,856.27 | 2,554,113.00 | 0.021 |
| GOLDMAN SACHS INTERNATIONAL LONDON | 81,776.20 | 5,887,494.00 | 0.014 | KEEFE BRUYETTE + WOODS INC | 35,412.71 | 747,953.00 | 0.047 |
| GOOD MORNING SECS, SEOUL | 1,074.60 | 1,100.00 | 0.977 | KEMPEN + CO N.V. | 3,974.00 | 89,512.00 | 0.044 |
| GOOD MORNING SHINHAN SECS USA | 1,335.83 | 219,300.00 | 0.006 | KIM ENG SECURITIES | 61,836.46 | 43,588,258.00 | 0.001 |
| GOODBODY STOCKBROKERS | 6,327.04 | 542,513.00 | 0.012 | KING, CL, \& ASSOCIATES, INC | 190,781.90 | 4,031,466.00 | 0.047 |
| GRANVILLEDAVIES LIMITED | 2,871.05 | 351,234.00 | 0.008 | KLEINWORTBENSON SECURITIES LIMITED | 69,396.86 | 7,948,852.00 | 0.009 |
| GRUNTAL \&CO., L.L.C. | 7,099.60 | 141,992.00 | 0.050 | KNIGHT SECURITIES | 86,396.99 | 2,467,670.00 | 0.035 |
| GUZMAN + CO | 11,025.96 | 275,649.00 | 0.040 | KNIGHT SECURITIES INTERNATIONAL | 258.44 | 100,000.00 | 0.003 |
| HARBORSIDE SECURITIES | 1,306.00 | 65,300.00 | 0.020 | KNIGHT SECURITIES INTL | 282.41 | 69,400.00 | 0.004 |
| HARRIS NESBITT CORP. | 5,260.00 | 105,200.00 | 0.050 | KOC BANKA.S. | 4,081.79 4 | 475,123,000.00 | 0.000 |
| HC ISTANBUL | 1,482.68 | 91,959,151.00 | 0.000 | LA BRANCHE FINANCIAL \#2 | 50,755.26 | 1,691,842.00 | 0.030 |
| HEFLIN + CO., LLC | 89,621.18 | 2,277,063.00 | 0.039 | LARRAIN VIAL | 1,480.53 | 174,176.00 | 0.009 |
| HENDERSONCROSTHWAITE LIMITED | 947.76 | 387,668.00 | 0.002 | LATINVESTSECURITIES | 1,060.00 | 26,500.00 | 0.040 |
| HG ASIA | 10,554.38 | 1,582,610.00 | 0.007 | LAZARD CAPITAL MARKETS | 4,256.06 | 164,320.00 | 0.026 |
| HG ASIA CLEARING SVCS LTD KL | 1,436.85 | 1,252,000.00 | 0.001 | LAZARD FRERES \& CO. | 10,525.00 | 210,500.00 | 0.050 |
| HG ASIALTD | 2,123.33 | 309,000.00 | 0.007 | LEERINK SWANN AND COMPANY | 3,403.50 | 68,070.00 | 0.050 |
| HG ASIA PTE LTD | 110.27 | 170,000.00 | 0.001 | LEGG MASON WOOD WALKER INC | 7,300.00 | 146,000.00 | 0.050 |
| HG ASIA SECURITIES | 623.41 | 392,000.00 | 0.002 | LEHMAN BROTHERS | 1,062.21 | 152,541.00 | 0.007 |
| HG ASIA SECURITIES (PHIL) INC. | 230.78 | 348,000.00 | 0.001 | LEHMAN BROTHERS BANKHAUS AG | 1,342.51 | 125,800.00 | 0.011 |
| HIBERNIA SOUTHCOAST CAPITAL INC | 1,855.00 | 37,100.00 | 0.050 | LEHMAN BROTHERS INC | 308,545.92 | 684,516,805.00 | 0.000 |
| HOARE GOVETT SECURITIES LTD | 1,142.45 | 1,482,780.00 | 0.001 | LEHMAN BROTHERS INTERNATIONAL | 1,729.99 | 39,900.00 | 0.043 |
| HOENIG (FAR EAST) LIMITED | 946.53 | 64,000.00 | 0.015 | LEHMAN BROTHERS INTERNATIONAL (EUROPE) | 394,946.45 | 806,054,112.00 | 0.000 |
| HONGKONG AND SHANGHAI BKG CORP | 18.73 | 1,000.00 | 0.019 | LEHMAN BROTHERS JAPAN INC, TOKYO | 956.55 | 21,000.00 | 0.046 |
| HOWARD WEIL DIVISION LEGG MASON | 5,325.00 | 106,500.00 | 0.050 | LEHMAN BROTHERS SECS (ASIA) | 20,214.48 | 2,457,429.00 | 0.008 |
| HSBC | 2,773.65 | 27,180.00 | 0.102 | LG INVESTMENT AND SECURITIES CO | 6,007.41 | 314,000.00 | 0.019 |
| HSBC BANKPLC | 68,140.67 | 10,118,803.00 | 0.007 | LG SECURITIES CO LTD | 5,219.20 | 133,659.00 | 0.039 |
| HSBC SECURITIES (SINGAPORE) PTE LTD | 1,533.20 | 403,000.00 | 0.004 | LIQUIDNETEUROPE LIMITED | 88.97 | 11,125.00 | 0.008 |
| HSBC SECURITIES INC (JAMES CAPEL) | 25,338.24 | 1,325,996.00 | 0.019 | LIQUIDNETINC | 135,247.16 | 5,622,351.00 | 0.024 |
| HSBC SECURITIES(ASIA)LIMITED | 850.15 | 121,500.00 | 0.007 | LOMBARD, ODIER AND CIE | 2,865.54 | 14,226.00 | 0.201 |
| HVB CAPITAL MARKETS, INC | 9,610.55 | 203,902.00 | 0.047 | LOOP CAPITAL MKTS LLC | 2,799.28 | 69,982.00 | 0.040 |
| HYUNDAI SECURITIES CO. LTD. | 244.66 | 4,200.00 | 0.058 | LYNCH JONES AND RYAN INC | 2,730.00 | 68,100.00 | 0.040 |
| IBJ INTERNATIONAL PLC | 11,849.68 | 710,605.00 | 0.017 | MACQUARIEEQUITIES LIMITED (SYDNEY) | 9,477.58 | 661,582.00 | 0.014 |
| IMPERIAL CAPITAL LLC | 2,594.60 | 60,640.00 | 0.043 | MACQUARIEEQUITIES LTD | 10,545.14 | 1,833,945.00 | 0.006 |
| ING BANK $N$ V | 566.07 | 39,352.00 | 0.014 | MAGNA SECURITIES CORP | 63.00 | 1,400.00 | 0.045 |
| ING BARING SECURITIES | 1,098.51 | 26,329.00 | 0.042 | MAINFIRSTBANK DE | 741.46 | 7,206.00 | 0.103 |
| ING BARING SECURITIES (SINGAPORE) | 5,525.73 | 1,275,020.00 | 0.004 | MCDONALDAND COMPANY SECURITIES, INC. | 697.50 | 15,500.00 | 0.045 |
| ING BARING SECURITIES LTD SEOUL | 15,867.66 | 272,010.00 | 0.058 | MERRILL LYNCH | 4,195.40 | 177,800.00 | 0.024 |
| ING BARINGS CORP | 37,933.14 | 223,939,381.00 | 0.000 | MERRILL LYNCH + CO INC | 23,573.10 | 1,493,837.00 | 0.016 |
| ING SECURITIES LIMITED | 247.20 | 26,900.00 | 0.009 | MERRILL LYNCH AND CO | 640.52 | 106,000.00 | 0.006 |
| INSTINET | 163,482.62 | 12,377,750.00 | 0.013 | MERRILL LYNCH FAR EAST LTD | 5,573.01 | 2,974,920.00 | 0.002 |
| INSTINET CLEARING SERVICES INC | 18,613.47 | 919,638.00 | 0.020 | MERRILL LYNCH INTERNATIONAL | 144,999.27 | 30,218,786.00 | 0.005 |
| INSTINET FRANCE S.A. | 523.69 | 27,100.00 | 0.019 | MERRILL LYNCH PEIRCE FENNER AND S | 95,712.71 | 58,711,406.00 | 0.002 |
| INSTINET INVESTMENT SERVICES LIMITED | 5,061.00 | 301,025.00 | 0.017 | MERRILL LYNCH PEIRCE, FENNER AND S | 4,519.53 | 653,100.00 | 0.007 |
| INSTINET PACIFIC LIMITED | 7,643.20 | 167,527.00 | 0.046 | MERRILL LYNCH PIERCE FENNER + SMITH | 780,658.09 2 | 218,801,080.00 | 0.004 |
| INSTINET U.K. LTD | 39,878.37 | 1,249,101.00 | 0.032 | MERRILL LYNCH PROFESSIONAL CLEARING CORP | 13,128.23 | 326,975.00 | 0.040 |
| INTERMOBILIARE SECURITIES SIM SPA | 503.83 | 25,000.00 | 0.020 | MIDWEST RESEARCH SECURITIES | 16,487.42 | 415,204.00 | 0.040 |
| INTERMONTE SEC SIM SPA | 260.98 | 194,123.00 | 0.001 | MIZUHO INTERNATIONAL PLC | 23,319.02 | 1,010,860.00 | 0.023 |
| INVERLAT INTERNATIONAL | 6,066.12 | 641,134.00 | 0.009 | MIZUHO SECURITIES CO., LTD | 265.96 | 18,000.00 | 0.015 |
| INVESTEC HENDERSON CROSTHWAITE | 5,890.46 | 928,500.00 | 0.006 | MIZUHO SECURITIES USA INC | 14,541.30 | 483,380.00 | 0.030 |
| INVESTMENT TECHNOLOGY GROUP INC. | 238,801.11 | 10,151,119.00 | 0.024 | MKM PARTNERS | 8,168.00 | 204,200.00 | 0.040 |
| INVESTMENT TECHNOLOGY GROUP LTD | 7,425.42 | 1,190,939.00 | 0.006 | MONTROSE SECURITIES EQUITIES | 1,084.95 | 21,799.00 | 0.050 |

## SCHEDULE OF BROKERAGE COMMISSIONS (Continued) FOR THE FISCAL YEAR ENDED JUNE 30, 2004

| Broker Name | \$ Commission | Shares/ | Avg Comm | Broker Name | \$ Commission | Shares/ Par Value | Avg Comm |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MOORS + CABOT INC | 45,400.65 | 908,013.00 | 0.050 | SCOTT \& STRINGFELLOW, INC | 35,633.50 | 890,700.00 | 0.040 |
| MORGAN KEEGAN \& CO INC | 575.00 | 11,500.00 | 0.050 | SG AMERICAS SECURITIES, LLC | 28,896.00 | 709,600.00 | 0.041 |
| MORGAN STANLEY | 1,093.28 | 13,900.00 | 0.079 | SG COWEN SECURITIES CORP | 32,737.32 | 720,856.00 | 0.045 |
| MORGAN STANLEY AND CO INTERNATIONAL | 123.09 | 90.00 | 1.368 | SG COWEN SECURITIES CORP 2 | 2,348.74 | 27,643.00 | 0.085 |
| MORGAN STANLEY AND CO. INTERNATIONAL | 88,281.21 | 4,612,154.00 | 0.019 | SG SECURITIES (LONDON) LTD | 457.35 | 100,500.00 | 0.005 |
| MORGAN STANLEY CO INCORPORATED | 1,076,574.39 | 167,570,204.00 | 0.006 | SG SECURITIES (LONDON)LTD | 5,123.13 | 146,140.00 | 0.035 |
| MORGAN STANLEY DEAN WITTER | 6,903.85 | 1,833,000.00 | 0.004 | SG SECURITIES HK | 741.47 | 465,000.00 | 0.002 |
| MORGAN STANLEY SECURITIES LIMITED | 23,135.04 | 3,321,671.00 | 0.007 | SHINYOUNGSECURITIES CO LTD | 64,585.79 | 1,343,403.00 | 0.048 |
| NATIONALAUSTRALIA BANK LIMITED | 409.40 | 48,000.00 | 0.009 | SIGMA SECURITIES S.A. | 194.31 | 15,968.00 | 0.012 |
| NATIONALAUSTRALIA BANK LIMITED (SYDNEY) | 211.72 | 11,301.00 | 0.019 | SIMMONS +COMPANY INTERNATIONAL | 2,250.00 | 45,000.00 | 0.050 |
| NATIONAL FINANCIAL SERVICES CORP | 14,090.90 | 772,345.00 | 0.018 | SIS SEGAINTERSETTLE AG | 7,884.72 | 15,397.00 | 0.512 |
| NATIONAL FINANCIAL SERVICES CORP. | 105,386.75 | 2,194,571.00 | 0.048 | SOCIETE GENERALE | 7,460.82 | 72,012.00 | 0.104 |
| NATIONAL FINANCIAL SVCS CORP | 1,029.92 | 51,496.00 | 0.020 | SOCIETE GENERALE LONDON BRANCH | 5,250.96 | 150,813.00 | 0.035 |
| NCB STOCKBROKERS | 1,775.38 | 164,900.00 | 0.011 | SPEAR, LEEDS \& KELLOGG | 69,877.28 | 2,273,431.00 | 0.031 |
| NCB STOCKBROKERS LTD | 6,690.89 | 325,990.00 | 0.021 | SSANGYONGINVESTMENT AND SECURITIES | 23,028.68 | 343,690.00 | 0.067 |
| NEEDHAM + COMPANY | 4,600.00 | 92,000.00 | 0.050 | SSGA | 7,178.48 | 358,924.00 | 0.020 |
| NEONET SECURITIES AB | 347.80 | 8,295.00 | 0.042 | STANDARD + POORS SECURITIES INC | 17,733.25 | 358,535.00 | 0.049 |
| NEUBERGERAND BERMAN | 48,648.42 | 1,621,614.00 | 0.030 | STANLEY (CHARLES) + CO LIMITED | 2,025.93 | 200,344.00 | 0.010 |
| NEUE ZURCHER BANK | 338.30 | 320.00 | 1.057 | STATE STREET BANK + TRUST | 3,730.50 7, | 7,282,391,557.91 | 0.000 |
| NOMURA INTERNATIONAL (HONG KONG) LTD | 4,005.78 | 717,000.00 | 0.006 | STATE STREET BANK AND TRUST CO | 750.21 | 41,483.00 | 0.018 |
| NOMURA INTERNATIONAL PLC | 50,282.56 | 4,352,708.00 | 0.012 | STATE STREET BANK GMBH | 800.00 | 40,000.00 | 0.020 |
| NOMURA SECURITIES CO., LTD. | 283.00 | 50,000.00 | 0.006 | STATE STREET BROKERAGE SERVICES | 408,060.15 | 22,039,864.00 | 0.019 |
| NOMURA SECURITIES INTERNATIONAL INC | 66,107.30 | 30,827,819.00 | 0.002 | STATUS SECURITIES | 470.00 | 9,400.00 | 0.050 |
| NORDIC PARTNERS | 5,649.80 | 154,300.00 | 0.037 | STEPHENS,INC. | 5,020.00 | 100,400.00 | 0.050 |
| NUMIS SECURITIES LIMITED | 442.10 | 56,900.00 | 0.008 | STIFEL NICOLAUS \& CO INC | 2,425.00 | 48,500.00 | 0.050 |
| NUTMEG SECURITIES | 113,911.55 | 2,424,421.00 | 0.047 | SUN | 455.52 | 14,016.00 | 0.033 |
| NZB BANK | 229.67 | 220.00 | 1.044 | SUNTRUST CAPITAL MARKETS, INC. | 7,713.00 | 160,320.00 | 0.048 |
| ODDO FINANCE | 3,992.05 | 37,815.00 | 0.106 | SVENSKA HANDELSBANKEN | 1,143.39 | 51,751.00 | 0.022 |
| OHMAN SECURITIES | 52.11 | 2,200.00 | 0.024 | SVENSKA HANDELSBANKEN LONDON BRANCH | 5,544.61 | 240,057.00 | 0.023 |
| OIEN SECURITIES, INC | 3.44 | 86.00 | 0.040 | SWISS AMERICAN SECURITIES INC | 1,372.00 | 196,000.00 | 0.007 |
| OPPENHEIM, SAL.,JR UND CIE KOELN | 1,753.24 | 26,150.00 | 0.067 | TEATHER AND GREENWOOD | 101.71 | 15,111.00 | 0.007 |
| OPPENHEIMER \& CO. INC. | 21,930.18 | 482,215.00 | 0.045 | THEMIS TRADING LLC | 450.00 | 18,000.00 | 0.025 |
| ORD MINNETT, INC. | 84.28 | 113,152.00 | 0.001 | THINKEQUITY PARTNERS LLC | 22,237.00 | 500,000.00 | 0.044 |
| ORIEL SECURITIES LTD | 963.31 | 97,927.00 | 0.010 | THOMAS WEISELPARTNERS | 83,815.28 | 2,058,757.00 | 0.041 |
| ORMES CAPITAL MARKETS INC | 8,338.00 | 191,500.00 | 0.044 | TOKAI BANK EUROPE PLC LONDON | 617.55 | 16,334.00 | 0.038 |
| PACIFIC AMERICAN SECURITIES, LLC | 6,190.50 | 151,900.00 | 0.041 | TOKYO MITSUBISHI INTERNATIONAL PLC | 6,615.54 | 365,000.00 | 0.018 |
| PACIFIC GROWTH EQUITIES | 2,584.00 | 64,600.00 | 0.040 | TOKYO-MITSUBISHI SECURITIES (USA) | 276.41 | 32,371.00 | 0.009 |
| PANMURE GORDON \& CO LTD | 12,737.52 | 1,465,268.00 | 0.009 | TSUBASA SECURITIES CO., LTD. | 2,200.50 | 82,000.00 | 0.027 |
| PARIBAS CORPORATION | 8,169.46 | 251,355.00 | 0.033 | U S BANCORP PIPER JAFFRAY INC | 6,967.75 | 139,355.00 | 0.050 |
| PARIBAS SECURITIES INC | 8,210.07 | 3,633,500.00 | 0.002 | U.S. CLEARING CORPORATION | 1,315.00 | 26,300.00 | 0.050 |
| PARKMIX LTD | 7,865.94 | 2,197,800.00 | 0.004 | UBS | 5,578.29 | 215,900.00 | 0.026 |
| PEEL HUNT+ COMPANY LIMITED | 2,301.83 | 240,400.00 | 0.010 | UBS (NETHERLANDS) BV | 286.73 | 3,800.00 | 0.075 |
| PENSION FINANCIAL SERVICES INC | 2,793.43 | 322,100.00 | 0.009 | UBS AG | 276,965.50 | 74,845,425.00 | 0.004 |
| PERCIVAL FINANCIAL PARTNERS, LTD | 722.85 | 14,457.00 | 0.050 | UBS AG LONDON | 406,003.95 | 457,740,191.00 | 0.001 |
| PERSHING | 4,226.80 | 216,090,220.00 | 0.000 | UBS AG STAMFORD | 267.00 | 8,900.00 | 0.030 |
| PERSHING DIVISION OF DONALDSON LUFKIN | 8,060.50 | 192,600.00 | 0.042 | UBS AUSTRALIA GROUP LIMITED (FORMER ROYA | 830.56 | 49,200.00 | 0.017 |
| PERSHING DLJ SL | 42,658.30 | 1,646,590.00 | 0.026 | UBS FINANCIAL SERVICES INC | 1,018.80 | 20,376.00 | 0.050 |
| PERSHING LLC | 126,896.16 | 2,706,303.00 | 0.047 | UBS SECURITIES | 319.85 | 6,700.00 | 0.048 |
| PERSHING SECURITIES LIMITED | 13,024.65 | 775,092.00 | 0.017 | UBS SECURITIES ASIALTD | 152.08 | 7,000.00 | 0.022 |
| PERSHING SECURITIES LTD | 1,206.56 | 51,218.00 | 0.024 | UBS SECURITIES LLC | 223,685.25 | 4,829,382.00 | 0.046 |
| PETERCAM S.A. | 4,620.12 | 75,817.00 | 0.061 | UBS SECURITIES SINGAPORE PTE | 1,656.77 | 1,272,000.00 | 0.001 |
| PICTET (CANADA) L.P. | 2,710.53 | 29,870.00 | 0.091 | UBS WARBURG (HONG KONG) LIMITED | 348.70 | 36,500.00 | 0.010 |
| PICTET AND CIE | 2,578.35 | 3,537.00 | 0.729 | UBS WARBURG LLC | 363,500.56 1, | 1,299,439,997.00 | 0.000 |
| PIPER JAFFRAY \& CO. | 20,532.80 | 410,656.00 | 0.050 | UBS WARBURG SECURITIES LIMITED | 681.78 | 5,000.00 | 0.136 |
| PRITCHARDCAPITAL PARTNERS LLC | 12,292.50 | 245,850.00 | 0.050 | UNIBANCO-UNIAO DE BANCOS BRASIL | 3,274.80 | 2,645,000.00 | 0.001 |
| PRUDENTIAL EQUITY GROUP | 54,834.78 | 1,316,283.00 | 0.042 | UOB KAY HIAN PRIVATE LIMITED | 13,941.56 | 3,068,900.00 | 0.005 |
| PULSE TRADING LLC | 39,812.05 | 1,847,796.00 | 0.022 | USCC/SANTANDER | 520.00 | 13,000.00 | 0.040 |
| PUNK ZIEGEL AND KNOLL | 1,690.00 | 33,800.00 | 0.050 | VICKERS BALLAS LTD | 3,890.77 | 103,000.00 | 0.038 |
| RABO SECURITIES NV | 5,559.01 | 200,397.00 | 0.028 | VONTOBEL SECURITIES | 307.85 | 1,600.00 | 0.192 |
| RABOBANK INTL | 1,369.07 | 22,314.00 | 0.061 | WACHOVIA SECURITIES, LLC. | 7,895.46 | 208,132.00 | 0.038 |
| RAYMOND JAMES AND ASSOCIATES INC | 21,593.55 | 439,475.00 | 0.049 | WACHOVIACAPITAL MARKETS, LLC | 51,930.96 | 1,171,525.00 | 0.044 |
| RAYMOND JAMES TRUST COMPANY | 24,398.82 1, | 1,681,564,408.00 | 0.000 | WARBURG DILLION READ (ASIA) LTD | 100,177.87 | 22,772,022.00 | 0.004 |
| RBC CAPITAL MARKETS | 13,630.66 | 297,700.00 | 0.046 | WARBURG DILLON READ SECURITIES LTD | 2,642.61 | 4,230.00 | 0.625 |
| RBC CAPITAL MARKETS/NEW YORK | 462.96 | 21,500.00 | 0.022 | WAVE SECURITIES LLC | 13,075.60 | 1,159,410.00 | 0.011 |
| RBC DAIN RAUSCHER INC | 26,107.50 | 564,900.00 | 0.046 | WEDBUSH MORGAN SECURITIES INC | 9,910.00 | 198,200.00 | 0.050 |
| RBC DOMINION SECURITIES | 1,078.59 | 73,800.00 | 0.015 | WEEDEN + CO. | 287,963.48 | 6,652,643.00 | 0.043 |
| RBC DOMINION SECURITIES CORPORATION | 616.48 | 50,200.00 | 0.012 | WELLS FARGO SECURITIES LLC | 15,298.94 | 462,799.00 | 0.033 |
| RBC DOMINION SECURITIES INC. | 26,068.90 | 746,200.00 | 0.035 | WESTMINSTER RESEARCH ASSOCIATE | 14,972.65 | 299,453.00 | 0.050 |
| REDBURN PARTNERS LLP | 2,790.26 | 202,129.00 | 0.014 | WILLIAM BLAIR \& COMPANY, L.L.C | 39,621.88 | 926,214.00 | 0.043 |
| ROBERT VAN SECURITIES | 9,637.88 | 240,947.00 | 0.040 | WILLIAMS CAPITAL GROUP LP (THE) | 29,516.70 | 716,474.00 | 0.041 |
| ROBERT VAN SECURTIES | 611.28 | 15,282.00 | 0.040 | WILLIAMS CAPITAL GROUP(THE) | 9,831.50 | 216,500.00 | 0.045 |
| ROCHDALE SEC CORP.(CLS THRU 443) | 33,229.46 | 798,499.00 | 0.042 | WILLIAMS CAPITAL INTERNATIONAL LTD | 25,066.37 | 2,186,700.00 | 0.011 |
| ROYAL BANK OF CANADA | 4,420.52 | 287,600.00 | 0.015 | WILLIAMS DE BROE | 608.58 | 51,976.00 | 0.012 |
| S.G. COWEN \& CO., LLC | 1,533.91 | 36,297.00 | 0.042 | WR HAMBRECHT + CO | 1,015.00 | 20,300.00 | 0.050 |
| SAL OPPENHEIM JR | 223.67 | 1,750.00 | 0.128 | YORK SECURITIES INC | 173.35 | 4,800.00 | 0.036 |
| SALOMON SMITH BARNEY KOREA LTD | 6,407.10 | 74,560.00 | 0.086 | YORKTON SECURITIES INC | 352.66 | 9,500.00 | 0.037 |
| SAMSUNG SECURITIES CO LTD | 72,658.33 | 951,643.00 | 0.076 | ZANNEX SECURITIES | 2,178.11 | 204,989.00 | 0.011 |
| SAMUELA RAMIREZ \& COMPANY INC | 7,583.44 | 189,586.00 | 0.040 |  |  |  |  |
| SANDERS MORRIS MUNDY | 41,585.00 | 831,700.00 | 0.050 | Total \$1 | 081,376.43 |  |  |
| SANDLER ONEILL + PART LP | 1,250.00 | 25,000.00 | 0.050 |  |  |  |  |
| SANFORD C. BERNSTEIN LTD | 63,237.98 | 5,486,142.00 | 0.012 |  |  |  |  |
| SANFORD CBERNSTEIN CO LLC | 30,985.10 | 582,055.00 | 0.053 |  |  |  |  |
| SANTANDERCENTRAL HISPANO BOLSA | 2,615.29 | 64,900.00 | 0.040 |  |  |  |  |
| SANTANDERINVESTMENT SECURITIES INC | 57,982.00 | 1,526,600.00 | 0.038 |  |  |  |  |
| SARASIN INTERNATIONAL LTD | 254.84 | 1,960.00 | 0.130 |  |  |  |  |
| SCOTIA CAPITAL (USA) INC | 640.11 | 17,100.00 | 0.037 |  |  |  |  |

$\frac{\text { Statistical }}{\text { Section }}$
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## CONNECTICUT STATETREASURER'S COMBINED INVESTMENTFUNDS

## STATEMENT OF NET ASSETS

## JUNE 30, 2004

|  | $\begin{aligned} & \text { CASH } \\ & \text { RESERVE } \\ & \text { FUND } \end{aligned}$ | MUTUAL EQUITY FUND | FIXED INCOME FUND | INTERNATIONAL STOCK FUND | REAL ESTATE FUND | COMMERCIAL MORTGAGE FUND | PRIVATE INVESTMENT FUND | ELIMINATION ENTRY | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ASSETS |  |  |  |  |  |  |  |  |  |
| Investments in Securities, at Fair Value |  |  |  |  |  |  |  |  |  |
| Cash Reserve Fund | \$ | \$ 65,030,485 | \$ 685,735,194 | \$ 84,108,282 | \$ 23,873,332 | \$ 529,635 | \$ 175,230,571 | \$(1,034,507,499) | \$ - |
| Cash Equivalents | 571,074,338 |  | 131,014,552 |  |  | - |  |  | 702,088,890 |
| Asset Backed Securities | 504,491,261 | - | 68,860,394 | - | - | - | - | - | 573,351,655 |
| Government Securities |  |  | 1,441,108,121 | - | - | - | - | - | 1,441,108,121 |
| Government Agency Securities | 30,753,896 | - | 1,600,450,325 | - | - | - | - | - | 1,631,204,221 |
| Mortgage Backed Securities | 80,654,910 | - | 454,710,826 | - |  | 656,173 | - | - | 536,021,909 |
| Corporate Debt | 210,703,950 | - | 1,831,721,972 | - | - | - | - | - | 2,042,425,922 |
| Convertible Securities |  | - | 34,925,948 | 62,724 | - | - | - | - | 34,988,672 |
| Common Stock |  | 7,637,241,901 | 6,897,847 | 3,727,426,698 | 43,804,011 | 35,042,563 | - | - | 11,450,413,020 |
| Preferred Stock | - | - |  | 74,664,086 | - | - | - |  | 74,664,086 |
| Real Estate Investment Trust |  | 76,832,291 | 594,895 | 77,499 | - |  | - | - | 77,504,685 |
| Mutual Fund |  | - | 69,864,062 | 109,528,976 | - |  | - |  | 179,393,038 |
| Limited Liability Corporation |  | - | - | - | - |  | 22,948,138 |  | 22,948,138 |
| Trusts |  | - | - | - | 46,404,007 | - | - | - | 46,404,007 |
| Limited Partnerships | - | - | - | - | 253,151,772 | - | 1,583,133,960 | - | 1,836,285,732 |
| Partnerships | - | - | - | - | - | - | - | - |  |
| Annuities | - | - | - | - | 1,313,806 | - | - | - | 1,313,806 |
| Total Investments in Securities, at Fair Value | 1,397,678,355 | 7,779,104,677 | 6,325,884,136 | 3,995,868,265 | 368,546,928 | 36,228,371 | 1,781,312,669 | (1,034,507,499) | 20,650,115,902 |
| Cash | - | 69,107 | 971,228 | 17,024,361 | - | - | 652,869 | - | 18,717,565 |
| Receivables |  |  |  |  |  |  |  |  |  |
| Foreign Exchange Contracts |  | - | 161,137,732 | 7,753,643,192 | - | - | - | - | 7,914,780,924 |
| Interest Receivable | 3,802,303 | 65,550 | 77,374,888 | 88,749 | 16,518 | 562 | 171,757 | (1,240,478) | 80,279,849 |
| Dividends Receivable | - | 7,048,152 | 97,781 | 6,540,467 | - | 174,489 | - | - | 13,860,889 |
| Due from Brokers |  | 42,230,253 | 218,796,314 | 50,142,278 | - | - | 2,504,531 | - | 313,673,376 |
| Management Fee Receivable | - | - |  |  | - | - | - | - |  |
| Foreign Taxes |  | 542 | 1,515 | 1,777,008 | - | - | - | - | 1,779,065 |
| Securities Lending Receivable | - | 110,919 | 209,537 | 465,208 | - | - | - | - | 785,664 |
| Reserve for Doubtful Receivables | - |  | $(12,831,609)$ | $(95,050)$ |  | - | - | - | $(12,926,659)$ |
| Total Receivables | 3,802,303 | 49,455,416 | 444,786,158 | 7,812,561,852 | 16,518 | 175,051 | 2,676,288 | (1,240,478) | 8,312,233,108 |
| Invested Securities Lending Collateral |  | 404,840,310 | 1,114,438,733 | 603,199,932 | - | - | - | - | 2,122,478,975 |
| Other Funds on Deposit | - | - | - |  | - | - | - | - |  |
| Prepaid Expenses | - - | - | - - | -42,654,410 | - | 1,054 | 3,008,998 | (1,035,747, | 3,010,052 |
| Total Assets | 1,401,480,658 | 8,233,469,510 | 7,886,080,255 | 12,428,654,410 | 368,563,446 | 36,404,476 | 1,787,650,824 | (1,035,747,977) | 31,106,555,602 |
| LIABILITIES |  |  |  |  |  |  |  |  |  |
| Payables |  |  |  |  |  |  |  |  |  |
| Foreign Exchange Contracts | - | - | 162,181,226 | 7,767,381,154 | - | - | - | - | 7,929,562,380 |
| Due to Brokers |  | 45,059,045 | 756,536,630 | 49,380,121 | - | - | - | - | 850,975,796 |
| Income Distribution | 1,606,371 | - | - | - | - | - | - | $(1,222,661)$ | 383,710 |
| Other Payable |  |  |  |  | - | - | - |  |  |
| Total Payables | 1,606,371 | 45,059,045 | 918,717,856 | 7,816,761,275 | - | - | - | $(1,222,661)$ | 8,780,921,886 |
| Securities Lending Collateral |  | 404,840,310 | 1,114,438,733 | 603,199,932 | - | - | - | (17.813) | 2,122,478,975 |
| Accrued Expenses | 68.553 | 2.511,363 | 3,482.436 | 5.409,844 | 25.790 | - | 2.284,788 | (17.813) | 13,764,961 |
| Total Liabilities | 1,674,924 | 452,410,718 | 2,036,639,025 | 8,425,371,051 | 25,790 | - | 2,284,788 | $(1,240,474)$ | 10,917,165,822 |
| NET ASSETS | \$1,399,805,734 | \$7,781,058,792 | \$5,849,441,230 | \$4,003,283,359 | \$368,537,656 | \$36,404,476 | \$1,785,366,036 | \$(1,034,507,503) | \$20,189,389,780 |
| Units Outstanding | $\underline{1,399,805,734}$ | 9,641,912 | 51,696,296 | 16,604,790 | 6,985,137 | 580,161 | 27,371,972 |  |  |
| NetAsset Value and Redemption Price per Unit | \$ 1.00 | \$ 807.00 | \$ 113.15 | \$ 241.09 | \$ 52.76 | \$ 62.75 | \$ 65.23 |  |  |

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

## STATEMENT OF CHANGES IN NET ASSETS

## FOR THE FISCAL YEAR ENDED JUNE 30, 2004

|  | $\begin{gathered} \text { CASH } \\ \text { RESERVE } \\ \text { FUND } \end{gathered}$ | MUTUAL EQUITY FUND | FIXED INCOME FUND | INTERNATIONAL STOCK FUND | REAL ESTATE FUND | COMMERCIAL MORTGAGE FUND | PRIVATE INVESTMENT FUND | ELIMI- NATION ENTRY | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Investment Income |  |  |  |  |  |  |  |  |  |
| Dividends | \$- | \$114,031,024 | \$6,410,034 | \$85,964,184 | \$18,235,050 | \$4,553,897 | \$378,335,074 | \$- | \$607,529,263 |
| Interest | 21,155,254 | 746,596 | 294,849,438 | 510,421 | 109,081 | 19,048 | 1,414,839 | $(15,775,492)$ | 303,029,185 |
| Other Income |  | 2,830,195 | 24,490,944 | 296,041 |  |  | 1,895,696 |  | 29,512,876 |
| Securities Lending | - | 4,845,114 | 10,650,359 | 7,757,508 |  |  |  |  | 23,252,981 |
| Total Income | 21,155,254 | 122,452,929 | 336,400,775 | 94,528,154 | 18,344,131 | 4,572,945 | 381,645,609 | $(15,775,492)$ | 963,324,305 |
| Expenses |  |  |  |  |  |  |  |  |  |
| Investment Advisory Fees | 313,350 | 6,459,864 | 8,070,224 | 17,336,519 | 1,120,127 | 327,489 | 5,591,485 | $(233,666)$ | 38,985,392 |
| Salary and Fringe Benefits | 181,142 | 803,795 | 497,222 | 387,188 | 152,407 | 8,432 | 361,200 | $(135,078)$ | 2,256,308 |
| Custody and Transfer Agent Fees | 64,856 | 161,062 | 124,947 | 837,845 | 30,493 | 1,885 | 242,039 | $(48,363)$ | 1,414,764 |
| Professional Fees | 44,689 | 215,527 | 130,906 | 108,717 | 266,083 | 1,026 | 5,576,574 | $(33,325)$ | 6,310,197 |
| Security Lending Fees |  | 462,618 | 803,808 | 1,232,449 |  |  |  |  | 2,498,875 |
| Security Lending Rebates |  | 3,197,537 | 7,885,199 | 3,100,113 |  |  |  |  | 14,182,849 |
| Investment Expenses | 110,519 | 57,655 | 30,861 | 33,537 | 2,499 | 165 | 11,468 | $(82,414)$ | 164,290 |
| Total Expenses | 714,556 | 11,358,058 | 17,543,167 | 23,036,368 | 1,571,609 | 338,997 | 11,782,766 | $(532,846)$ | 65,812,675 |
| Net Investment Income | 20,440,698 | 111,094,871 | 318,857,608 | 71,491,786 | 16,772,522 | 4,233,948 | 369,862,843 | $(15,242,646)$ | 897,511,630 |
| Net Realized Gain (Loss) | 232,621 | 565,299,222 | 69,116,799 | 247,550,316 | $(8,191,028)$ | 315,547 | 6,829,021 | $(173,466)$ | 880,979,032 |
| Net Change in Unrealized Gain/(Loss) on Investments and Foreign Currency | - | 679,252,870 | $(267,934,874)$ | 587,209,136 | $(5,959,369)$ | $(1,101,440)$ | $(54,550,699)$ | - | 936,915,624 |
| Net Increase (Decrease) in Net |  |  |  |  |  |  |  |  |  |
| Assets Resulting from Operations | \$20,673,319 | \$1,355,646,963 | \$120,039,533 | \$906,251,238 | \$2,622,125 | \$3,448,055 | \$322,141,165 | \$(15,416,112) | \$2,715,406,286 |
| Net Transfers | - | - | - | - | - | - | - | - |  |
| Distributions to Unit Owners: |  |  |  |  |  |  |  |  |  |
| Income Distributed | $(20,673,319)$ | $(108,195,347)$ | $(280,450,557)$ | (54,060,398) | $(36,874,628)$ | (11,397,679) | $(319,894,385)$ | 15,416,122 | $(816,130,191)$ |
| Returns of Capital |  |  |  |  |  |  |  |  |  |
| Total Distributions | $(20,673,319)$ | $(108,195,347)$ | $(280,450,557)$ | $(54,060,398)$ | $(36,874,628)$ | $(11,397,679)$ | $(319,894,385)$ | 15,416,122 | $(816,130,191)$ |
| Unit Transactions |  |  |  |  |  |  |  |  |  |
| Purchase of Units by Participants | 4,881,927,560 |  | 379,251,940 | 1,200,000,000 | 2,000,000 |  | 29,000,000 | $(3,602,665,657)$ | 2,889,513,843 |
| Redemption of Units by Participants | $\underline{(5,334,947,610)}$ | (64,861,000) | $(979,000,000)$ | $(83,000,000)$ | $(25,000,000)$ | $(27,928,399)$ | (94,000,000) | 3,708,931,783 | $(2,899,805,226)$ |
| Net Increase (Decrease) in Net Assets |  |  |  |  |  |  |  |  |  |
| Resulting from Unit Transactions | $(453,020,050)$ | $(64,861,000)$ | $(599,748,060)$ | 1,117,000,000 | $(23,000,000)$ | $(27,928,399)$ | $(65,000,000)$ | 106,266,126 | $(10,291,383)$ |
| Total Increase (Decrease) in Net Assets | $(453,020,050)$ | 1,182,590,616 | $(760,159,084)$ | 1,969,190,840 | $(57,252,503)$ | $(35,878,023)$ | $(62,753,220)$ | 106,266,136 | 1,888,984,712 |
| Net Assets- Beginning of Period | 1,852,825,784 | 6,598,468,176 | 6,609,600,314 | 2,034,092,519 | 425,790,159 | 72,282,499 | 1,848,119,256 | $(1,140,773,639)$ | 18,300,405,068 |
| Net Assets- End of Period | \$1,399,805,734 | \$7,781,058,792 | \$5,849,441,230 | \$4,003,283,359 | \$368,537,656 | \$36,404,476 | \$1,785,366,036 \$( | \$(1,034,507,503) | \$20,189,389,780 |
| Other Information: |  |  |  |  |  |  |  |  |  |
| Units |  |  |  |  |  |  |  |  |  |
| Purchased | 4,881,927,560 | - | 3,254,328 | 6,168,629 | 34,769 | - | 447,705 |  |  |
| Redeemed | (5,334,947,610) | $(91,497)$ | $(8,743,313)$ | $(348,440)$ | $(450,800)$ | 404,771 | $(1,392,409)$ |  |  |
| Net Increase (Decrease) | $(453,020,050)$ | $(91,497)$ | $(5,488,985)$ | 5,820,188 | $(416,030)$ | 404,771 | (944,704) |  |  |

The accompanying notes are an integral part of these financial statements

## CONNECTICUT STATE TREASURER'S COMBINED INVESTMENT FUNDS

STATEMENT OF CHANGES IN NET ASSETS FOR THE FISCAL YEAR ENDED JUNE 30, 2003

|  | CASH RESERVE FUND | MUTUAL EQUITY FUND | FIXED INCOME FUND | INTERNATIONAL STOCK FUND | REAL Estate FUND | COMMERCIAL MORTGAGE FUND | PRIVATE INVESTMENT FUND | ELIMI- <br> t NATION ENTRY | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Investment Income |  |  |  |  |  |  |  |  |  |
| Dividends | \$ | \$97,908,864 | \$ 4,237,918 | \$ 48,496,325 | \$ 7,822,522 | \$ 9,047,138 | \$316,844,834 | \$ | \$484,357,601 |
| Interest | 34,567,405 | 1,086,329 | 336,353,398 | 864,340 | 122,382 | 64,841 | 1,900,432 | $(22,616,447)$ | 352,342,680 |
| Other Income | 103,203 | 938,639 |  | 301,898 | 35,444 | - | 2,695,860 | $(67,523)$ | 4,007,521 |
| Securities Lending | - | 4,698,471 | 14,686,868 | 5,537,417 | - | - | - | - | 24,922,756 |
| Total Income | 34,670,608 | 104,632,303 | 355,278,184 | 55,199,980 | 7,980,348 | 9,111,979 | 321,441,126 | (22,683,970) | 865,630,558 |
| Expenses |  |  |  |  |  |  |  |  |  |
| Investment Advisory Fees | 402,399 | 13,885,595 | 8,787,612 | 12,077,535 | 1,217,754 | 417,400 | 5,742,250 | $(263,278)$ | 42,267,267 |
| Salary and Fringe Benefits | 144,318 | 706,340 | 636,446 | 221,713 | 136,687 | 11,014 | 302,237 | $(94,423)$ | 2,064,332 |
| Custody and Transfer Agent Fees | 64,609 | 144,142 | 179,513 | 575,022 | 33,524 | 3,244 | 234,516 | $(42,272)$ | 1,192,298 |
| Professional Fees | 35,800 | 265,413 | 276,542 | 79,863 | 186,278 | 2,995 | 1,932,583 | $(23,423)$ | 2,756,051 |
| Security Lending Fees |  | 351,772 | 964,177 | 740,115 | - | - | - | - | 2,056,064 |
| Security Lending Rebates |  | 3,390,218 | 11,123,203 | 2,677,727 | - | - | - | - | 17,191,148 |
| Investment Expenses | 25,952 | 50,855 | 42,808 | 15,478 | 3,406 | 572 | 25,162 | $(16,980)$ | 147,253 |
| Total Expenses | 673,078 | 18,794,335 | 22,010,301 | 16,387,453 | 1,577,649 | 435,225 | 8,236,748 | $(440,376)$ | 67,674,413 |
| Net Investment Income | 33,997,530 | 85,837,968 | 333,267,883 | 38,812,527 | 6,402,699 | 8,676,754 | 313,204,378 | $(22,243,594)$ | 797,956,145 |
| Net Realized Gain (Loss) | 5,304 | $(343,085,583)$ | 35,747,647 | $(263,021,093)$ | 35,741,745 | 292,925 | $(32,317,579)$ | $(3,470)$ | $(566,640,104)$ |
| Net Change in Unrealized Gain/(Loss) on Investments and Foreign Currency | - | 268,525,616 | 342,085,904 | 68,906,015 | $(27,635,527)$ | 4,544,111 | $(532,641,824)$ | - | 123,784,295 |
| Net Increase (Decrease) in Net | \$34,002,834 | \$11278001 | \$711,101,434 | \$(155,302,551) | \$14,508917 | \$13513,790 | \$(251,755,025) | \$(22, 247,064) | \$355,100,336 |
| Net Transfers | - | - | - | - | - | - | - | - | - |
| Distributions to Unit Owners: |  |  |  |  |  |  |  |  |  |
| Income Distributed | $(34,002,834)$ | (81,939,912) | $(337,711,176)$ | (37,331,253) | $(43,390,906)$ | $(7,672,406)$ | $(317,149,939)$ | 22,247,064 | (836,951,362) |
| Returns of Capital | - | - |  | - |  | - | - | - |  |
| Total Distributions | (34,002,834) | $(81,939,912)$ | $(337,711,176)$ | (37,331,253) | $(43,390,906)$ | $(7,672,406)$ | (317,149,939) | 22,247,064 | $(836,951,362)$ |
| Unit Transactions |  |  |  |  |  |  |  |  |  |
| Purchase of Units by Participants | 4,230,807,741 | (7, | 2,373,700 | - | 6,500,000 | - | 136,000,000 | $(3,076,184,458)$ | 1,299,496,983 |
| Redemption of Units by Participants | (3,820,988,323) | $(7,461,041)$ | $(292,414,969)$ | - | $(23,000,000)$ | $(6,819,600)$ | - | 2,927,288,702 | (1,223,395,231) |
| Net Increase (Decrease) in Net Assets Resulting from Unit Transactions | 409,819,418 | (7,461,041) | $(290,041,269)$ | - | $(16,500,000)$ | $(6,819,600)$ | 136,000,000 | $(148,895,756)$ | 76,101,752 |
| Total Increase (Decrease) |  |  |  |  |  |  |  |  |  |
| in Net Assets | 409,819,418 | $(78,122,952)$ | 83,348,989 | $(192,633,804)$ | $(45,381,989)$ | $(978,216)$ | $(432,904,964)$ | $(148,895,756)$ | $(405,749,274)$ |
| Net Assets- Beginning of Period | 1,443,006,366 | 6,676,591,128 | 6,526,251,325 | 2,226,726,323 | 471,172,148 | 73,260,715 | 2,281,024,220 | $(991,877,876)$ | 18,706,154,346 |
| Net Assets- End of Period | \$1,852,825,784 | \$6,598,468,176 | \$6,609,600,314 | \$2,034,092,519 | \$425,790,159 | \$72,282,499 | \$1,848,119,256 \$ | \$(1,140,773,632) | \$18,300,405,072 |
| Other Information: |  |  |  |  |  |  |  |  |  |
| Units |  |  |  |  |  |  |  |  |  |
| Purchased | 4,230,807,741 | - | 21,285 | - | 108,173 | - | 1,894,328 |  |  |
| Redeemed | $(3,820,988,323)$ | $(11,927)$ | $(2,595,969)$ | - | $(378,490)$ | $(96,971)$ | - |  |  |
| Net Increase (Decrease) | 409,819,418 | $(11,927)$ | $(2,574,684)$ | - | (270,317) | $(96,971)$ | 1,894,328 |  |  |

The accompanying notes are an integral part of these financial statements

| Retirement Funds | Net Asset Value |
| :--- | ---: |
|  |  |
| Teachers' Retirement Fund | $\$ 10,860,275,666$ |
| State Employees' Retirement Fund | $7,709,615,695$ |
| Municipal Employees' Retirement Fund | $1,303,832,973$ |
| State Judges' Retirement Fund | $140,387,092$ |
| The Probate Court Retirement Fund | $67,072,384$ |
| State's Attorneys Retirement Fund | 716,010 |
|  |  |
| Non-retirement Trust Funds | $59,072,186$ |
| Soldiers' Sailors' \& Marines' Fund | $18,083,143$ |
| Police \& Firemans' Survivors' Benefit Fund | $16,002,328$ |
| Connecticut Arts Endowment Fund | $8,866,264$ |
| School Fund | $1,994,950$ |
| Ida Eaton Cotton Fund | $1,946,127$ |
| Hopemead Fund | 938,276 |
| Andrew Clark Fund | 586,686 |
| Agricultural College Fund | $\mathbf{2 0 , 1 8 9 , 3 8 9 , 7 8 0}$ |
| TOTAL |  |

## STATEMENT OFINVESTMENT ACTIVITY BYPENSIONPLAN FOR THE FISCAL YEAR ENDING JUNE 30, 2004

|  | $\begin{aligned} & \text { CASH } \\ & \text { RESERVE } \\ & \text { FUND } \end{aligned}$ | MUTUAL EQUITY FUND | MUTUAL FIXED INCOME FUND | INTERNATIONAL STOCK FUND | REAL ESTATE FUND | COMMERCIAL MORTGAGE FUND | PRIVATE INVESTMENT FUND | TOTALS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Teachers' Retirement Fund |  |  |  |  |  |  |  |  |
| Book Value at June 30, 2003 | \$ 314,412,366 | \$ 989,170,649 | \$3,133,291,711 | \$ 740,984,430 | \$273,040,309 | \$ 40,204,455 | \$1,376,400,279 \$ | \$ 6,867,504,200 |
| Market Value at June 30, 2003 | \$ 314,412,366 | \$3,609,903,114 | \$3,530,422,912 | \$1,110,450,868 | \$232,032,151 | \$ 39,426,609 | \$1,009,366,137 \$ | \$ 9,846,014,159 |
| Shares Purchased | 771,395,287 |  | 112,000,000 | 655,103,457 | 1,089,890 |  | 15,838,598 | 1,555,427,232 |
| Shares Redeemed | $(893,261,395)$ | $(35,405,702)$ | $(529,724,019)$ | $(45,311,322)$ | $(13,623,621)$ | $(15,233,592)$ | $(51,338,904)$ | $(1,583,898,555)$ |
| Returns of Capital |  |  |  |  |  |  |  |  |
| Gain/(Loss) on Shares Redeemed |  | 26,113,759 | 44,426,412 | 16,617,475 | $(2,996,480)$ | $(1,288,936)$ | $(16,080,007)$ | 66,792,223 |
| Net Investment Income Earned | 2,337,552 | 59,187,054 | 148,118,381 | 29,512,627 | 20,094,637 | 6,216,886 | 174,713,396 | 440,180,533 |
| Net Investment Income Distributed | $(2,337,552)$ | (59,187,054) | $(148,118,381)$ | $(29,512,627)$ | $(20,094,637)$ | $(6,216,886)$ | $(174,713,396)$ | $(440,180,533)$ |
| Changes in Market Value of Fund Shares |  | 656,294,290 | $(127,554,519)$ | 448,610,165 | $(15,669,245)$ | $(3,047,182)$ | 17,307,098 | 975,940,607 |
| Market Value at June 30, 2004 | \$ 192,546,258 | \$4,256,905,461 | \$3,029,570,786 | \$2,185,470,643 | \$200,832,694 | \$ 19,856,899 | \$ 975,092,922 | \$10,860,275,666 |
| Book Value at June 30, 2004 | 192,546,258 | 979,878,706 | 2,759,994,104 | 1,367,394,040 | 257,510,098 | 23,681,927 | 1,324,819,966 | 6,905,825,099 |
| Shares Outstanding | 192,546,258 | 5,274,951 | 26,774,795 | 9,064,880 | 3,806,514 | 316,450 | 14,949,437 | 252,733,285 |
| Market Value per Share ${ }^{(1)}$ | \$ 1.00 | \$ 807.00 | \$ 113.15 | \$ 241.09 | \$ 52.76 | \$ 62.75 | \$ 65.23 |  |
| State Employees' Retirement Fund |  |  |  |  |  |  |  |  |
| Book Value at June 30, 2003 | \$ 288,463,958 | \$ 702,395,453 | \$2,216,540,823 | \$ 522,189,936 | \$192,487,005 | \$ 28,163,673 | \$ 967,559,365 | \$ 4,917,800,213 |
| Market Value at June 30, 2003 | \$ 288,463,958 | \$2,498,015,185 | \$2,515,112,880 | \$ 784,016,290 | \$163,879,606 | \$ 27,766,991 | \$ 709,924,440 | \$ 6,987,179,350 |
| Shares Purchased | 422,597,602 |  | 167,000,000 | 462,525,445 | 769,767 |  | 11,139,870 | 1,064,032,684 |
| Shares Redeemed | $(574,814,069)$ | $(24,500,376)$ | $(377,381,333)$ | $(31,991,343)$ | $(9,622,087)$ | $(10,728,567)$ | $(36,108,545)$ | $(1,065,146,320)$ |
| Returns of Capital |  |  |  |  |  |  |  |  |
| Gain/(Loss) on Shares Redeemed | - | 17,902,304 | 34,074,020 | 11,752,451 | $(2,094,772)$ | $(845,650)$ | $(11,284,763)$ | 49,503,590 |
| Net Investment Income Earned | 2,298,456 | 40,956,816 | 106,840,991 | 20,836,925 | 14,192,436 | 4,378,363 | 122,882,376 | 312,386,363 |
| Net Investment Income Distributed | $(2,298,456)$ | $(40,956,816)$ | $(106,840,991)$ | $(20,836,925)$ | $(14,192,436)$ | $(4,378,363)$ | $(122,882,376)$ | $(312,386,363)$ |
| Changes in Market Value of Fund Shares | S | 454,316,925 | $(95,835,925)$ | 316,714,172 | $(11,088,452)$ | $(2,208,150)$ | 12,147,822 | 674,046,391 |
| Market Value at June 30, 2004 | \$ 136,247,491 | \$2,945,734,038 | \$2,242,969,642 | \$1,543,017,014 | \$141,844,062 | \$ 13,984,624 | \$ 685,818,824 | \$ 7,709,615,695 |
| Book Value at June 30, 2004 | 136,247,491 | 695,797,381 | 2,040,233,510 | 964,476,488 | 181,539,913 | 16,589,456 | 931,305,927 | 4,966,190,166 |
| Shares Outstanding | 136,247,491 | 3,650,211 | 19,822,957 | 6,400,115 | 2,688,464 | 222,866 | 10,514,490 | 179,546,595 |
| Market Value per Share ${ }^{(1)}$ | \$ 1.00 | \$ 807.00 | \$ 113.15 | 241.09 | \$ 52.76 | \$ 62.75 | \$ 65.23 |  |

Municipal Employees' Retirement Fund

Book Value at June 30, 2003 Market Value at June 30, 2003 Shares Purchased Shares Redeemed Returns of Capital Gain/(Loss) on Shares Redeemed Net Investment Income Earned Net Investment Income Distributed Changes in Market Value of Fund Shares
\$ 86,362,487 \$ 113,692,994 \$ 363,628,298 \$ 80,092,276 \$ 30,015,837 \$ 4,380,345 \$ 153,623,146 \$ 831,795,383 \$ $86,362,487$ \$ 413,330,740 $\$ 410,606,606$ \$ $120,240,773$ \$ 25,657,162 $\quad \$ 4,349,387$ \$ $113,892,968$ \$ 1,174,440,124 $\begin{array}{cccccccc}68,236,747 & - & 83,000,000 & 70,935,283 & 120,516 & - & 1,787,166 & 224,079,711\end{array}$ $(129,537,039) \quad(4,053,922) \quad(61,609,668) \quad(4,906,357) \quad(1,506,444) \quad(1,680,510) \quad(5,792,883) \quad(209,086,823)$

| - | $2,985,927$ | $5,289,363$ | $1,802,282$ | $(320,673)$ | $(119,648)$ | $(1,732,763)$ | $7,904,489$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | ---: |
| 812,610 | $6,776,864$ | $18,285,969$ | $3,195,659$ | $2,221,983$ | 685,822 | $19,713,982$ | $51,692,889$ |
| $(812,610)$ | $(6,776,864)$ | $(18,285,969)$ | $(3,195,659)$ | $(2,221,983)$ | $(685,822)$ | $(19,713,982)$ | $(51,692,889)$ | $\begin{array}{lllllll}75,149,196 & (16,995,998) & 48,573,051 & (1,743,306) & (358,694) & 1,871,224 & 106,495,472\end{array}$

Market Value at June 30, 2004
Book Value at June 30, 2004
Shares Outstanding
Market Value per Share ${ }^{(1)}$

|  | - | $75,149,196$ | $(16,995,998)$ | $48,573,051$ | $(1,743,306)$ | $(358,694)$ | $1,871,224$ | $106,495,472$ |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  | $25,062,195$ | $\$$ | $487,411,942$ | $\$ 420,290,303$ | $\$ 236,645,032$ | $\$ 22,207,254$ | $\$$ | $2,190,535$ | $\$$ |
| $25,062,195$ | $112,624,999$ | $390,307,993$ | $147,923,484$ | $28,309,236$ | $2,580,187$ | $147,884,666$ | $854,692,759$ |  |  |
| $25,062,195$ | 603,977 | $3,714,449$ | 981,555 | 420,909 | 34,910 | $1,686,837$ | $32,504,831$ |  |  |
|  | 1.00 | $\$$ | 807.00 | $\$$ | 113.15 | $\$$ | 241.09 | $\$$ | 52.76 |

## STATEMENT OF INVESTMENT ACTIVITY BY PENSION PLAN (Continued) FOR THE FISCAL YEAR ENDING JUNE 30, 2004

|  |  | $\begin{gathered} \text { CASH } \\ \text { RESERVE } \\ \text { FUND } \end{gathered}$ |  | MUTUAL EQUITY FUND |  | MUTUAL FIXED INCOME FUND |  | INTERNATIONAL STOCK FUN |  | $\begin{aligned} & \text { REAL } \\ & \text { ESTATE } \\ & \text { FUND } \end{aligned}$ |  | COMMERC MORTGA FUND |  | PRIVATE INVESTMENT FUND |  | TOTALS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Probate Court Retirement Fund |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Market Value at June 30, 2003 | \$ | 4,084,994 | \$ | 21,033,177 | \$ | 22,706,970 | \$ | 7,511,961 | \$ | 1,468,121 | \$ | 253,669 | \$ | 3,423,948 | \$ | 60,482,838 |
| Shares Purchased |  | 4,753,408 |  |  |  | 192,000 |  | 4,431,634 |  | 6,896 |  |  |  | 53,727 |  | 9,437,665 |
| Shares Redeemed |  | $(5,267,187)$ |  |  |  | $(3,407,078)$ |  | $(306,521)$ |  | $(86,200)$ |  | $(98,012)$ |  | $(174,151)$ |  | $(9,339,150)$ |
| Returns of Capital |  |  |  |  |  |  |  |  |  | - |  |  |  |  |  | - |
| Gain/(Loss) on Shares Redeemed |  | - |  |  |  | 346,518 |  | 112,983 |  | $(18,740)$ |  | $(8,738)$ |  | $(50,737)$ |  | 381,286 |
| Net Investment Income Earned |  | 47,350 |  | 347,529 |  | 944,668 |  | 199,647 |  | 127,145 |  | 39,998 |  | 592,517 |  | 2,298,854 |
| Net Investment Income Distributed |  | $(47,350)$ |  | $(347,529)$ |  | $(944,668)$ |  | $(199,647)$ |  | $(127,145)$ |  | $(39,998)$ |  | $(592,517)$ |  | $(2,298,854)$ |
| Changes in Market Value of Fund Share |  | - |  | 4,004,974 |  | $(865,790)$ |  | 3,034,181 |  | $(99,362)$ |  | $(19,160)$ |  | 54,898 |  | 6,109,742 |
| Market Value at June 30, 2004 | \$ | 3,571,215 | \$ | 25,038,151 | \$ | 18,972,620 | \$ | 14,784,238 | \$ | 1,270,715 | \$ | 127,758 | \$ | 3,307,686 | \$ | 67,072,384 |
| Book Value at June 30, 2004 |  | 3,571,215 |  | 5,608,744 |  | 16,891,743 |  | 9,222,992 |  | 1,625,941 |  | 153,005 |  | 4,419,222 |  | 41,492,863 |
| Shares Outstanding |  | 3,571,215 |  | 31,026 |  | 167,677 |  | 61,322 |  | 24,085 |  | 2,036 |  | 50,711 |  | 3,908,071 |
| Market Value per Share ${ }^{(1)}$ | \$ | 1.00 | \$ | 807.00 | \$ | 113.15 | \$ | 241.09 | \$ | 52.76 | \$ | 62.75 | \$ | 65.23 |  |  |
| Judges' Retirement Fund |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Book Value at June 30, 2003 |  | 11,972,003 | \$ | 12,521,422 | \$ | 41,193,767 | \$ | 7,984,311 | \$ | 2,822,638 | \$ | 430,482 | \$ | 15,579,909 | \$ | 92,504,533 |
| Market Value at June 30, 2003 | \$ | 11,972,003 | \$ | 41,223,801 | \$ | 45,838,781 | \$ | 11,872,627 | \$ | 2,368,363 | \$ | 428,440 | \$ | 11,511,764 | \$ | 125,215,777 |
| Shares Purchased |  | 7,953,617 |  |  |  | 13,000,000 |  | 7,004,181 |  | 11,125 |  | - |  | 180,638 |  | 28,149,561 |
| Shares Redeemed |  | $(15,910,058)$ |  |  |  | $(6,877,902)$ |  | $(484,456)$ |  | $(139,057)$ |  | $(165,540)$ |  | $(585,517)$ |  | $(24,162,530)$ |
| Returns of Capital |  |  |  |  |  | - |  | - |  | - |  | - |  | - |  | - |
| Gain/(Loss) on Shares Redeemed |  | - |  | - |  | 497,636 |  | 176,397 |  | $(32,750)$ |  | $(11,371)$ |  | $(177,679)$ |  | 452,232 |
| Net Investment Income Earned |  | 117,671 |  | 681,138 |  | 2,097,903 |  | 315,540 |  | 205,107 |  | 67,558 |  | 1,992,114 |  | 5,477,031 |
| Net Investment Income Distributed |  | $(117,671)$ |  | $(681,138)$ |  | $(2,097,903)$ |  | $(315,540)$ |  | $(205,107)$ |  | $(67,558)$ |  | $(1,992,114)$ |  | $(5,477,031)$ |
| Changes in Market Value of Fund Share |  | - |  | 7,849,513 |  | (1,913,306) |  | 4,797,686 |  | $(157,772)$ |  | $(35,748)$ |  | 191,676 |  | 10,732,050 |
| Market Value at June 30, 2004 | \$ | 4,015,562 | \$ | 49,073,314 | \$ | 50,545,209 | \$ | 23,366,435 | \$ | 2,049,908 | \$ | 215,781 | \$ | 11,120,881 | \$ | 140,387,092 |
| Book Value at June 30, 2004 |  | 4,015,562 |  | 12,521,422 |  | 47,813,501 |  | 14,680,434 |  | 2,661,955 |  | 253,571 |  | 14,997,351 |  | 96,943,796 |
| Shares Outstanding |  | 4,015,562 |  | 60,809 |  | 446,709 |  | 96,919 |  | 38,853 |  | 3,439 |  | 170,497 |  | 4,832,789 |
| Market Value per Share ${ }^{(1)}$ | \$ | 1.00 | \$ | 807.00 | \$ | 113.15 | \$ | 241.09 | \$ | 52.76 | \$ | 62.75 | \$ | 65.23 |  |  |
| State's Attorneys' Retirement Fund |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Book Value at June 30, 2003 | \$ | 47,909 | \$ | 92,347 | \$ | 157,239 | \$ | - | \$ | 5,276 | \$ | - | \$ | - | \$ | 302,772 |
| Market Value at June 30, 2003 | \$ | 47,909 | \$ | 368,829 | \$ | 197,045 | \$ |  | \$ | 4,938 | \$ | - | \$ |  | \$ | 618,719 |
| Shares Purchased |  | 41,467 |  | - |  | 250,000 |  | - |  | 23 |  | - |  | - |  | 291,490 |
| Shares Redeemed |  | $(4,700)$ |  | $(250,000)$ |  |  |  | - |  | (290) |  | - |  | - |  | $(254,990)$ |
| Returns of Capital |  | - |  | - |  | - |  | - |  | - |  | - |  | - |  | - |
| Gain/(Loss) on Shares Redeemed |  | - |  | 196,236 |  | - |  | - |  | (31) |  | - |  | - |  | 196,205 |
| Net Investment Income Earned |  | 727 |  | 5,940 |  | 10,488 |  | - |  | 427 |  | - |  | - |  | 17,582 |
| Net Investment Income Distributed |  | (727) |  | $(5,940)$ |  | $(10,488)$ |  | - |  | (427) |  | - |  | - |  | $(17,582)$ |
| Changes in Market Value of Fund Share |  | - |  | $(131,624)$ |  | $(3,423)$ |  | - |  | (366) |  | - |  | - |  | $(135,413)$ |
| Market Value at June 30, 2004 | \$ | 84,676 | \$ | 183,441 | \$ | 443,622 | \$ | - | \$ | 4,274 | \$ | - | \$ | - | \$ | 716,010 |
| Book Value at June 30, 2004 |  | 84,676 |  | 38,583 |  | 407,239 |  | - |  | 4,978 |  | - |  | - |  | 535,476 |
| Shares Outstanding |  | 84,676 |  | 227 |  | 3,921 |  | - |  | 81 |  | - |  | - |  | 88,905 |
| Market Value per Share ${ }^{(1)}$ | \$ | 1.00 | \$ | 807.00 | \$ | 113.15 | \$ | - | \$ | 52.76 | \$ | - | \$ | - |  |  |

STATEMENTOFINVESTMENTACTIVITYBYTRUST FOR THE FISCAL YEAR ENDING JUNE 30, 2004

|  |  | CASH RESERVE FUND |  | MUTUAL EQUITY FUND |  | $\begin{aligned} & \text { MUTUAL } \\ & \text { FIXED } \\ & \text { INCOME } \\ & \text { FUND } \\ & \hline \end{aligned}$ |  | INTERNATIONAL STOCK FUND | REAL ESTATE FUND |  |  | CIAL AGE <br> D | $\qquad$ | TOTALS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Soldiers' Sailors' \& Marines' Fund |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Market Value at June 30, 2003 | \$ | 60,043 | \$ | 4,650,446 | \$ | 54,625,655 | \$ | \$ |  | - \$ | \$ | \$ | \$ | 59,336,142 |
| Shares Purchased |  | 2,527,639 |  | - |  | - |  | - |  | - |  | - | - | 2,527,639 |
| Shares Redeemed |  | $(2,527,640)$ |  | - |  | - |  | - |  | - |  | - | - | $(2,527,640)$ |
| Returns of Capital |  |  |  | - |  |  |  | - |  | - |  | - | - | - |
| Gain/(Loss) on Shares Redeemed |  | - |  | - |  | - |  | - |  |  |  | - | - | - |
| Net Investment Income Earned |  | 1,007 |  | 76,837 |  | 2,642,602 |  | - |  | - |  | - | - | 2,720,446 |
| Net Investment Income Distributed |  | $(1,007)$ |  | $(76,837)$ |  | $(2,642,602)$ |  | - |  |  |  | - | - | $(2,720,446)$ |
| Changes in Market Value of Fund Shares |  | - |  | 885,502 |  | $(1,149,456)$ |  | - |  | - |  | - | - | $(263,955)$ |
| Market Value at June 30, 2004 | \$ | 60,042 | \$ | 5,535,948 | \$ | 53,476,199 | \$ | \$ |  |  | \$ | - \$ | \$ | 59,072,186 |
| Book Value at June 30, 2004 |  | 60,042 |  | 1,095,686 |  | 49,098,734 |  | - |  | - |  | - | - | 50,254,463 |
| Shares Outstanding |  | 60,042 |  | 6,860 |  | 472,613 |  | - |  | - |  | - | - | 539,515 |
| Market Value per Share ${ }^{(1)}$ | \$ | 1.00 | \$ | 807.00 | \$ | 113.15 | \$ | - \$ |  |  |  | - \$ | - |  |
| Endowment for the Arts |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Book Value at June 30, 2003 | \$ | 948,230 | \$ | - | \$ | 14,472,429 | \$ | - \$ |  | \$ | \$ | - \$ | \$ | 15,420,659 |
| Market Value at June 30, 2003 | \$ | 948,230 | + | - | \$ | 15,369,367 | \$ | - \$ |  | \$ | \$ | - \$ | - \$ | 16,317,596 |
| Shares Purchased |  | 682,815 |  | - |  | - |  | - |  | - |  | - | - | 682,815 |
| Shares Redeemed |  | $(674,675)$ |  | - |  | - |  | - |  | - |  | - | - | $(674,675)$ |
| Returns of Capital |  | - |  | - |  | - |  | - |  |  |  | - | - |  |
| Gain/(Loss) on Shares Redeemed |  | - |  | - |  | - ${ }^{-}$ |  | - |  | - |  | - | - | - |
| Net Investment Income Earned |  | 12,755 |  | - |  | 743,519 |  | - |  | - |  | - | - | 756,274 |
| Net Investment Income Distributed |  | $(12,755)$ |  | - |  | $(743,519)$ |  | - |  | - |  | - | - | $(756,274)$ |
| Changes in Market Value of Fund Shares |  |  |  | - |  | $(323,408)$ |  | - |  | - |  | - | - | $(323,408)$ |
| Market Value at June 30, 2004 | \$ | 956,370 | \$ | - | \$ | 15,045,959 | \$ | \$ |  |  |  | - \$ | \$ | 16,002,328 |
| Book Value at June 30, 2004 |  | 956,370 |  | - |  | 14,472,429 |  | - |  | - |  | - | - | 15,428,799 |
| Shares Outstanding |  | 956,370 |  | - |  | 132,973 |  | - |  | - |  | - | - | 1,089,344 |
| Market Value per Share ${ }^{(1)}$ | \$ | 1.00 | \$ | - | \$ | 113.15 | \$ | - \$ |  |  |  | - \$ | - |  |
| Agricultural College Fund |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Book Value at June 30, 2003 | \$ | 35,280 | \$ | 34,969 | \$ | 346,240 | \$ | - \$ |  | - \$ | \$ | - \$ | - \$ | 416,490 |
| Market Value at June 30, 2003 | \$ | 35,280 | \$ | 151,632 | \$ | 379,025 | \$ | - \$ |  |  | \$ | - \$ | - \$ | 565,939 |
| Shares Purchased |  | 21,531 |  | - |  | 33,000 |  | - |  | - |  | - | - | 54,531 |
| Shares Redeemed |  | $(20,980)$ |  | $(33,000)$ |  | - |  | - |  | - |  | - | - | $(53,980)$ |
| Returns of Capital |  | - |  | - |  | - |  | - |  | - |  | - | - | - |
| Gain/(Loss) on Shares Redeemed |  | - |  | 26,657 |  | - |  | - |  | - |  | - | - | 26,657 |
| Net Investment Income Earned |  | 331 |  | 2,364 |  | 18,836 |  | - |  | - |  | - | - | 21,531 |
| Net Investment Income Distributed |  | (331) |  | $(2,364)$ |  | $(18,836)$ |  | - |  | - |  | - | - | $(21,531)$ |
| Changes in Market Value of Fund Shares |  | - |  | 2,476 |  | $(8,938)$ |  | - |  | - |  | - | - | $(6,461)$ |
| Market Value at June 30, 2004 | \$ | 35,830 | \$ | 147,766 | \$ | 403,087 | \$ | \$ |  |  | \$ | - \$ | \$ | 586,686 |
| Book Value at June 30, 2004 |  | 35,830 |  | 28,626 |  | 379,240 |  | - |  | - |  | - | - | 443,698 |
| Shares Outstanding |  | 35,830 |  | 183 |  | 3,562 |  | - |  | - |  | - | - | 39,575 |
| Market Value per Share ${ }^{(1)}$ | \$ | 1.00 | \$ | 807.00 | \$ | 113.15 | \$ | - \$ |  | - \$ |  | - \$ | - |  |

## STATEMENT OF INVESTMENT ACTIVITY BY TRUST (Continued) FOR THE FISCAL YEAR ENDING JUNE 30, 2004



## STATEMENT OF INVESTMENT ACTIVITY BYTRUST (Continued) FOR THE FISCAL YEAR ENDING JUNE 30, 2004

| Hopemead Fund | CASH RESERVE FUND |  | MUTUAL EQUITY FUND |  | MUTUAL FIXED INCOME FUND |  | INTERNATIONAL STOCK FUND |  | $\begin{aligned} & \text { REAL } \\ & \text { ESTATE } \\ & \text { FUND } \end{aligned}$ |  | COMMERCIAL MORTGAGE FUND |  | PRIVATE INVESTMENT FUND |  | TOTALS |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Book Value at June 30, 2003 | \$ | 118,340 | \$ | 110,967 | \$ | 1,128,869 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | 1,358,175 |
| Market Value at June 30, 2003 | \$ | 118,340 | \$ | 472,494 | \$ | 1,221,968 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | 1,812,802 |
| Shares Purchased |  | 69,360 |  | - |  | 44,690 |  | - |  | - |  | - |  | - |  | 114,050 |
| Shares Redeemed |  | $(44,548)$ |  | - |  | - |  | - |  | - |  | - |  | - |  | $(44,548)$ |
| Returns of Capital |  | - |  | - |  |  |  | - |  | - |  | - |  | - |  |  |
| Gain/(Loss) on Shares Redeemed |  | - |  | - |  | - |  | - |  | - |  | - |  | - |  | - |
| Net Investment Income Earned |  | 1,513 |  | 7,808 |  | 60,181 |  | - |  | - |  | - |  | - |  | 69,502 |
| Net Investment Income Distributed |  | $(1,513)$ |  | $(7,808)$ |  | $(60,181)$ |  | - |  | - |  | - |  | - |  | $(69,502)$ |
| Changes in Market Value of Fund Share |  | - |  | 89,968 |  | $(26,146)$ |  | - |  | - |  | - |  | - |  | 63,822 |
| Market Value at June 30, 2004 | \$ | 143,152 | \$ | 562,462 | \$ | 1,240,512 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | 1,946,127 |
| Book Value at June 30, 2004 |  | 143.152 |  | 110.967 |  | 1.173.559 |  | - |  | - |  | - |  | - |  | 1.427.678 |
| Shares Outstanding |  | 143,152 |  | 697 |  | 10,963 |  | - |  | - |  | - |  | - |  | 154,813 |
| Market Value per Share ${ }^{(1)}$ | \$ | 1.00 | \$ | 807.00 | \$ | 113.15 | \$ | - | \$ | - | \$ | - | \$ | - |  |  |
| Police \& Fireman's Survivors' Benefit Fund |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Book Value at June 30, 2003 |  | 4,942,048 | \$ | 6,859,157 | \$ | 5,134,231 | \$ | - | \$ | 391,612 | \$ | 60,244 | \$ | - | \$ | 17,387,292 |
| Market Value at June 30, 2003 |  | 4,942,048 | \$ | 6,263,152 | \$ | 5,384,488 | \$ | - | \$ | 379,819 | \$ | 57,402 | \$ | - | \$ | 17,026,908 |
| Shares Purchased |  | 511,533 |  |  |  | 3,000,000 |  | - |  | 1,784 |  | - |  | - |  | 3,513,317 |
| Shares Redeemed |  | $(3,367,580)$ |  | - |  | - |  | - |  | $(22,301)$ |  | $(22,179)$ |  | - |  | $(3,412,060)$ |
| Returns of Capital |  | - |  | - |  | - |  | - |  | - |  | - |  | - |  | - |
| Gain/(Loss) on Shares Redeemed |  | - |  | - |  | - |  | - |  | $(1,549)$ |  | $(2,579)$ |  | - |  | $(4,128)$ |
| Net Investment Income Earned |  | 51,737 |  | 103,486 |  | 305,890 |  | - |  | 32,893 |  | 9,052 |  | - |  | 503,058 |
| Net Investment Income Distributed |  | $(51,737)$ |  | $(103,486)$ |  | $(305,890)$ |  | - |  | $(32,893)$ |  | $(9,052)$ |  | - |  | $(503,058)$ |
| Changes in Market Value of Fund Sh | hares | s |  | 1,192,581 |  | $(200,697)$ |  | - |  | $(29,005)$ |  | $(3,774)$ |  | - |  | 959,105 |
| Market Value at June 30, 2004 | \$ 2 | 2,086,002 | \$ | 7,455,733 | \$ | 8,183,791 | \$ | - | \$ | 328,748 | \$ | 28,870 | \$ | - | \$ | 18,083,143 |
| Book Value at June 30, 2004 |  | 2,086,002 |  | 6,859,157 |  | 8,134,231 |  | - |  | 369,546 |  | 35,486 |  | - |  | 17,484,422 |
| Shares Outstanding |  | 2,086,002 |  | 9,239 |  | 72,327 |  | - |  | 6,231 |  | 461 |  | - |  | 2,174,259 |
| Market Value per Share ${ }^{(1)}$ | \$ | 1.00 | \$ | 807.00 | \$ | 113.15 | \$ | - | \$ | 52.76 | \$ | 62.66 | \$ | - |  |  |

## SUPPLEMENTALSCHEDULE OF FINANCIALHIGHLIGHTS

|  | MUTUAL EQUITY <br> FISCAL YEAR ENDED JUNE 30, |  |  |  |  | PRIVATE INVESTMENT <br> FISCAL YEAR ENDED JUNE 30, |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2004 | 2003 | 2002 | 2001 | 2000 | 2004 | 2003 | 2002 | 2001 | 2000 |
| PER SHARE DATA |  |  |  |  |  |  |  |  |  |  |
| Net Asset Value- Beginning of Period | \$677.92 | \$685.11 | \$814.49 | \$909.17 | \$835.47 | \$65.27 | \$86.33 | \$103.96 | \$115.01 | \$81.40 |
| INCOME FROM INVESTMENT OPERATIONS |  |  |  |  |  |  |  |  |  |  |
| Net Investment Income (Loss) | 11.50 | 8.22 | 8.24 | 7.54 | 8.87 | 12.98 | 10.40 | 4.98 | 3.66 | 18.12 |
| Net Gains or (Losses) on Securities (Both Realized and Unrealized) | 128.78 | (7.59) | (130.49) | (93.84) | 74.23 | (1.69) | (19.74) | (15.98) | (10.59) | 24.17 |
| Total from Investment Operations | 140.28 | (1.23) | (122.25) | (86.30) | 83.10 | 11.29 | (9.34) | (11.00) | (6.93) | 42.29 |
| LESS DISTRIBUTIONS |  |  |  |  |  |  |  |  |  |  |
| Dividends from Net Investment Income | (11.20) | (8.42) | (7.13) | (8.38) | (9.40) | (11.33) | (11.72) | (6.63) | (4.12) | (8.68) |
| Net Asset Value - End of Period | \$807.00 | \$677.92 | \$685.11 | \$814.49 | \$909.17 | \$65.23 | \$65.27 | \$86.33 | \$103.96 | \$115.01 |
| TOTAL RETURN | 20.84\% | 0.48\% | -14.95\% | -9.55\% | 10.03\% | 20.21\% | -11.94\% | -10.81\% | -6.25\% | 53.86\% |
| RATIOS |  |  |  |  |  |  |  |  |  |  |
| Net Assets - End of Period (\$000,000 Omitted) | \$7,781 | \$6,599 | \$6,677 | \$7,931 | \$8,853 | \$1,785 | \$1,848 | \$2,281 | \$2,607 | \$2,565 |
| Ratio of Expenses to Average Net Assets (excl. sec. lending fees \& rebates) | 0.11\% | 0.23\% | 0.27\% | 0.38\% | 0.22\% | 0.65\% | 0.40\% | 0.48\% | 0.38\% | 0.48\% |
| Ratio of Expenses to Average Net Assets | 0.16\% | 0.28\% | 0.34\% | 0.59\% | 0.43\% | na | na | na | na | na |
| Ratio of Net Investment Income ( Loss) to Average Net Assets | 1.55\% | 1.29\% | 1.10\% | 0.88\% | 1.01\% | 20.36\% | 13.69\% | 5.31\% | 3.38\% | 17.91\% |
|  | INTERNATIONAL STOCK FISCAL YEAR ENDED JUNE 30, |  |  |  |  | MUTUAL FIXED INCOME FISCAL YEAR ENDED JUNE 30, |  |  |  |  |
|  | 2004 | 2003 | 2002 | 2001 | 2000 | 2004 | 2003 | 2002 | 2001 | 2000 |
| PER SHARE DATA |  |  |  |  |  |  |  |  |  |  |
| Net Asset Value- Beginning of Period | \$188.61 | \$206.47 | \$232.07 | \$271.68 | \$228.93 | \$115.58 | \$109.21 | \$109.74 | \$108.38 | \$109.13 |
| INCOME FROM INVESTMENT OPERATIONS |  |  |  |  |  |  |  |  |  |  |
| Net Investment Income (Loss) | 4.50 | 3.60 | 3.24 | 4.50 | 3.26 | 6.95 | 5.70 | 6.87 | 7.81 | 8.01 |
| Net Gains or (Losses) on Securities (Both Realized and Unrealized) | 51.38 | (18.00) | (24.70) | (40.14) | 42.68 | (3.89) | 6.41 | (0.86) | 0.75 | (1.44) |
| Total from Investment Operations | 55.88 | (14.40) | (21.46) | (35.64) | 45.94 | 3.06 | 12.11 | 6.01 | 8.56 | 6.57 |
| LESS DISTRIBUTIONS |  |  |  |  |  |  |  |  |  |  |
| Dividends from Net Investment Income | (3.40) | (3.46) | (4.14) | (3.97) | (3.19) | (5.49) | (5.74) | (6.54) | (7.20) | (7.32) |
| Net Asset Value - End of Period | \$241.09 | \$188.81 | \$206.47 | \$232.07 | \$271.68 | \$113.15 | \$115.58 | \$109.21 | \$109.74 | \$108.38 |
| TOTAL RETURN | 29.69\% | -6.39\% | -9.00\% | -13.29\% | 20.13\% | 2.79\% | 12.03\% | 5.64\% | 8.03\% | 5.77\% |
| RATIOS |  |  |  |  |  |  |  |  |  |  |
| Net Assets - End of Period (\$000,000 Omitted) | \$4,003 | \$2,034 | \$2,227 | \$2,503 | \$2,930 | \$5,849 | \$6,610 | \$6,526 | \$6,586 | \$6,496 |
| Ratio of Expenses to Average Net Assets (excl. sec. lending fees \& rebates) | 0.62\% | 0.61\% | 0.67\% | 0.40\% | 0.36\% | 0.14\% | 0.15\% | 0.17\% | 0.20\% | 0.16\% |
| Ratio of Expenses to Average Net Assets | 0.76\% | 0.77\% | 1.05\% | 1.44\% | 1.46\% | 0.28\% | 0.34\% | 0.45\% | 0.87\% | 0.71\% |
| Ratio of Net Investment Income ( Loss) to Average Net Assets | 2.37\% | 1.82\% | 1.47\% | 1.79\% | 1.30\% | 5.12\% | 5.07\% | 6.24\% | 7.13\% | 6.79\% |

## PER SHARE DATA

Net Asset Value- Beginning of Period
INCOME FROM INVESTMENT OPERATIONS
Net Investment Income (Loss)
Net Gains or (Losses) on Securities
(Both Realized and Unrealized)
Total from Investment Operations
LESS DISTRIBUTIONS
Dividends from Net Investment Income
Net Asset Value - End of Period
TOTAL RETURN
RATIOS

| Net Assets - End of Period (\$000,000 Omitted) | \$36 | \$72 | \$73 | \$101 | \$176 | \$369 | \$426 | \$471 | \$476 | \$510 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ratio of Expenses to Average Net Assets (excl. sec. lending fees \& rebates) | 0.62\% | 0.60\% | 0.53\% | 0.42\% | 0.39\% | 0.40\% | 0.35\% | 0.31\% | 0.22\% | 0.17\% |
| Ratio of Expenses to Average Net Assets | na | na | na | na | na | na | na | na | na | na |
| Ratio of Net Investment Income (Loss) to Average Net Assets | 7.79\% | 11.92\% | 7.75\% | 9.21\% | 9.22\% | 4.22\% | 1.40\% | 1.28\% | 1.57\% | 3.95\% |

## SUMMARY OF OPERATIONS (Dollars in Thousands) FISCAL YEARS ENDING JUNE 30

Investment Income ${ }^{(1)}$
Expenses ${ }^{(1)}$
Net Investment Income Realized Gains/(Losses) Change in Unrealized Gains/(Losses)

| 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$946,643 | \$846,384 | \$741,812 | \$787,287 | \$1,002,774 | \$731,983 | \$734,928 | \$648,136 | \$621,540 | \$510,890 |
| 49,131 | 48,428 | 60,570 | 67,282 | 50,552 | 54,417 | 40,817 | 38,316 | 36,558 | 36,623 |
| 897,512 | 797,956 | 681,242 | 720,005 | 952,222 | 677,566 | 694,111 | 609,820 | 584,982 | 474,267 |
| 880,979 | $(566,640)$ | $(449,961)$ | 269,330 | 1,522,994 | 673,802 | 1,350,408 | 277,293 | 1,240,686 | 7,9 |
| 936,916 | 123,784 | $(1,563,253)$ | $(1,776,378)$ | 90,500 | 530,276 | 681,413 | 1,727,651 | $(103,966)$ | 998,758 |
| \$2,715,407 | \$355,100 \$(1,331,972) \$(787,043) \$2,565,7 |  |  |  | \$1,881,644 \$2,725,932 \$2,614,764 \$1,721,702 \$1,465,070 |  |  |  |  |

(1) Securities lending income and expenses are shown net in the Investment Income line above for all periods presented.

Source: Amounts were dervied from custodial records.

## PENSION ANDTRUSTFUNDS <br> BALANCES ${ }^{(1)}$ IN COMBINED INVESTMENT FUNDS (Dollars in Thousands) AT JUNE 30, 2004

| Fund Name | Teachers' <br> Retirement Fund |  |  | State Employees' Retirement-Fund |  | Municipal Employees' Retirement Fund |  |  | Judges <br> Retirement Fund |  | ProbateCourtRetirement Fund |  | State's Attorneys' Retirement Fund |  | Trust Funds |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CRA | \$ | 192,546 | 1.77\% | \$ 136,247 | 1.77\% | \$ | 25,062 | 1.92\% | \$ 3,571 | 5.32\% | \$ 4,016 | 2.86\% | \$ 85 | 11.87\% | \$ | 3,771 | 3.51\% |
| MEF |  | 4,256,905 | 39.20\% | 2,945,734 | 38.21\% |  | 487,412 | 37.38\% | 25,038 | 37.33\% | 49,073 | 34.96\% | 183 | 25.56\% |  | 16,712 | 15.55\% |
| FIF |  | 3,029,571 | 27.90\% | 2,242,970 | 29.09\% |  | 420,290 | 32.24\% | 18,973 | 28.29\% | 50,545 | 36.00\% | 444 | 62.01\% |  | 86,649 | 80.60\% |
| ISF |  | 2,185,471 | 20.12\% | 1,543,017 | 20.01\% |  | 236,645 | 18.15\% | 14,784 | 22.04\% | 23,366 | 16.65\% | - | 0.00\% |  | - | 0.00\% |
| REF |  | 200,833 | 1.85\% | 141,844 | 1.84\% |  | 22,207 | 1.70\% | 1,271 | 1.90\% | 2,050 | 1.46\% | 4 | 0.56\% |  | 329 | 0.31\% |
| CMF |  | 19,857 | 0.18\% | 13,985 | 0.18\% |  | 2,191 | 0.17\% | 128 | 0.19\% | 216 | 0.15\% | - | 0.00\% |  | 29 | 0.03\% |
| PIF |  | 975,093 | 8.98\% | 685,819 | 8.90\% |  | 110,026 | 8.44\% | 3,308 | 4.93\% | 11,121 | 7.92\% | - | 0.00\% |  | - | 0.00\% |
| Total |  | 0,860,276 | 100.00\% | \$7,709,616 | 100.00\% |  | ,303,833 | 100.00\% | \$67,073 | 100.00\% | \$140,387 | 100.00\% | \$716 | 100.00\% |  | 07,490 | 100.00\% |

(1) Based on Net Asset Value

Source: Amounts were dervied from custodial records.

## LIST OF INVESTMENT ADVISORS AND NET ASSETS UNDER MANAGMENT JUNE 30, 2004

|  | Net Assets | Percent |
| :---: | :---: | :---: |
| Name of Fund | Investment | Under |
| of Fund |  |  |

CASH RESERVE ACCOUNT (CRA)

| State Street Global Advisors | Active | \$ | 1,399,805,734 | 100.00\% |
| :---: | :---: | :---: | :---: | :---: |
| SUBTOTAL CRA |  | \$ | 1,399,805,734 | 100.00\% |
| MUTUAL EQUITY FUND (MEF) |  |  |  |  |
| Large Cap |  | \$ | 6,047,868,657 | 77.73\% |
| BGI Barclays Global Investors, N.A. | Passive - Enhanced |  | 3,313,814,636 | 42.59\% |
| State Street Global Advisors | Passive - Indexed |  | 2,734,054,021 | 35.14\% |
| Small/Mid Cap |  |  | 907,520,835 | 11.66\% |
| AXA Rosenberg Investment Management | Passive-Enhanced |  | 494,716,854 | 6.36\% |
| SSB Citigroup (The Travelers) | Passive-Enhanced |  | 412,803,981 | 5.30\% |
| Small/Mid Cap |  |  | 807,715,933 | 10.38\% |
| TCW Cowen Asset Management | Active |  | 459,946,759 | 5.91\% |
| Brown Capital Management, Inc. | Active |  | 347,769,174 | 4.47\% |
| Other (1) |  |  | 17,953,367 | 0.23\% |
| SUBTOTAL MEF |  | \$ | 7,781,058,792 | 100.00\% |
| INTERNATIONAL STOCK FUND (ISF) |  |  |  |  |
| Index |  | \$ | 499,572,037 | 12.48\% |
| State Street Global Advisors | Index-Passive |  | 499,572,037 | 12.48\% |
| Core |  |  | 994,575,684 | 24.84\% |
| Invesco Global Asset Mgmt. | Active |  | 337,435,398 | 8.43\% |
| Morgan Stanley Asset Management | Active |  | 335,451,915 | 8.38\% |
| Putnam Advisory Co. | Active |  | 321,688,371 | 8.03\% |
| Active-Growth |  |  | 511,755,100 | 12.78\% |
| Clay Finlay, Inc. | Active |  | 350,832,247 | 8.76\% |
| MFS Institutional Advisors, Inc. | Active |  | 160,922,853 | 4.02\% |
| Active-Value |  |  | 390,121,576 | 9.75\% |
| Grantham, Mayo, Van Otterloo | Active |  | 390,121,576 | 9.75\% |
| Small Cap |  |  | 389,187,986 | 9.72\% |
| Morgan Stanley Asset Management | Active |  | 198,978,210 | 4.97\% |
| Schroder Investment Mgmt. | Active |  | 190,209,776 | 4.75\% |
| Emerging |  |  | 696,405,801 | 17.40\% |
| Grantham, Mayo, Van Otterloo | Active |  | 354,163,417 | 8.85\% |
| Emerging Markets Management | Active |  | 342,242,384 | 8.55\% |
| Risk Controlled |  |  | 504,143,403 | 12.59\% |
| Fidelity Management Trust Co. | Active |  | 253,413,490 | 6.33\% |
| Merrill Lynch Investment | Active |  | 250,729,913 | 6.26\% |
| Other ${ }^{(1)}$ |  |  | 17,521,772 | 0.44\% |
| SUBTOTAL ISF |  | \$ | 4,003,283,359 | 100.00\% |
| REAL ESTATE FUND (REF) |  |  |  |  |
| AEW Capital Management | Active | \$ | 119,384,806 | 32.39\% |
| Westport Senior Living | Active |  | 67,336,094 | 18.27\% |
| Walton Street Real Estate | Active |  | 61,606,084 | 16.72\% |
| Apollo Real Estate | Active |  | 56,057,060 | 15.21\% |
| Evergreen Investments | Active |  | 17,551,042 | 4.76\% |
| New Boston Fund | Active |  | 12,500,312 | 3.39\% |
| Rockwood Capital | Active |  | 8,764,335 | 2.38\% |
| CIGNA Realty Investors | Active |  | 1,313,821 | 0.36\% |
| Other ${ }^{(1)}$ | Active |  | 24,024,102 | 6.52\% |
| SUBTOTAL REF |  | \$ | 368,537,656 | 100.00\% |

## LIST OF INVESTMENT ADVISORS AND NET ASSETS UNDER MANAGMENT (Continued) <br> JUNE 30, 2004

| Name of Fund | Investment Strategy |  | Net Assets Under Management | Percent of Fund Total |
| :---: | :---: | :---: | :---: | :---: |
| MUTUAL FIXED INCOME FUND (MFIF) |  |  |  |  |
| Core |  | \$ | 4,619,675,122 | 78.98\% |
| State Street Global Advisors | Passive |  | 1,305,951,067 | 22.33\% |
| BlackRock Financial Management, Inc. | Active |  | 1,116,913,320 | 19.10\% |
| Wellington | Active |  | 1,019,607,641 | 17.43\% |
| Western Asset Management Co. | Active |  | 865,870,535 | 14.80\% |
| Phoenix | Active |  | 311,332,559 | 5.32\% |
| High Yield |  |  | 841,286,836 | 14.38\% |
| Loomis Sayles \& Co., Inc. | Active |  | 343,271,448 | 5.87\% |
| W.R. Huff Asset Management | Active |  | 269,642,196 | 4.61\% |
| Oaktree Capital Management, L.L.C. | Active |  | 228,373,192 | 3.90\% |
| Other ${ }^{(1)}$ |  |  | 388,479,272 | 6.64\% |
| SUBTOTAL MFIF |  | \$ | 5,849,441,230 | 100.00\% |
| COMMERCIAL MORTGAGE FUND (CMF) |  |  |  |  |
| AEW Capital Management | Active | \$ | 35,217,330 | 96.74\% |
| Other (2) |  |  | 1,187,146 | 3.26\% |
| SUBTOTAL CMF |  | \$ | 36,404,476 | 100.00\% |
| PRIVATE INVESTMENT FUND (PIF) |  |  |  |  |
| Buyout |  | \$ | 495,296,733 | 27.74\% |
| Hicks, Muse Tate \& Furst Equity Fund III | Active |  | 99,325,655 | 5.56\% |
| Thomas H. Lee Equity Fund IV | Active |  | 40,530,051 | 2.27\% |
| Welsh Carson Anderson \& Stowe VIII | Active |  | 38,138,425 | 2.14\% |
| Forstmann Little Equity Fund VI | Active |  | 35,351,099 | 1.98\% |
| DLJ Merchant Banking Fund II | Active |  | 34,349,185 | 1.92\% |
| Kelso Investment Associates VI | Active |  | 31,968,776 | 1.79\% |
| SCP Private Equity Partners | Active |  | 31,336,425 | 1.75\% |
| KKR 1996 Fund | Active |  | 27,680,766 | 1.55\% |
| Blackstone Capital Partners III | Active |  | 27,517,777 | 1.54\% |
| KKR Millennium Fund | Active |  | 23,014,967 | 1.29\% |
| Veritas Capital Fund | Active |  | 21,951,468 | 1.23\% |
| Green Equity Investors III | Active |  | 21,387,859 | 1.20\% |
| Thayer Equity Investors IV | Active |  | 19,927,426 | 1.12\% |
| Wellspring Capital Partners III | Active |  | 19,920,770 | 1.12\% |
| Wellspring Capital Partners II | Active |  | 18,146,193 | 1.01\% |
| FS Equity Partners V | Active |  | 4,749,891 | 0.27\% |
| Venture Capital |  |  | 119,894,603 | 6.72\% |
| Crescendo World Fund | Active |  | 25,844,664 | 1.45\% |
| Pioneer Ventures Associates | Active |  | 19,831,942 | 1.11\% |
| Grotech Partners V | Active |  | 19,399,391 | 1.09\% |
| RFE Investment Partners VI | Active |  | 16,226,419 | 0.91\% |
| Shawmut Equity Partners | Active |  | 15,356,279 | 0.86\% |
| Conning Capital Partners V | Active |  | 15,037,189 | 0.84\% |
| Crescendo III | Active |  | 4,801,954 | 0.27\% |
| Connecticut Greene Ventures | Active |  | 2,435,152 | 0.14\% |
| Connecticut Futures Fund | Active |  | 961,613 | 0.05\% |
| Mezzanine |  |  | 111,859,625 | 6.26\% |
| SW Pelham Fund | Active |  | 59,843,450 | 3.35\% |
| GarMark Partners | Active |  | 36,589,938 | 2.05\% |
| Triumph Connecticut | Active |  | 8,744,565 | 0.49\% |
| SW Pelham Fund II | Active |  | 6,681,672 | 0.37\% |
| International |  |  | 350,283,444 | 19.62\% |
| Compass Partners European Equity Fund | Active |  | 128,517,911 | 7.20\% |
| Carlyle Europe Partners | Active |  | 93,108,125 | 5.21\% |
| Gilbert Global Equity Partners | Active |  | 73,709,355 | 4.13\% |
| AIG Global Emerging Markets Fund | Active |  | 44,983,108 | 2.52\% |
| Carlyle Asia Partners | Active |  | 9,964,945 | 0.56\% |


| Name of Fund | Investment Strategy |  | Net Assets Under Management | Percent of Fund Total |
| :---: | :---: | :---: | :---: | :---: |
| Fund of Funds |  |  | 320,254,539 | 17.94\% |
| The Constitution Liquidating Fund | Active |  | 188,733,374 | 10.57\% |
| Landmark Private Equity Fund VIII | Active |  | 74,809,087 | 4.19\% |
| Goldman Sachs Private Equity Partners Connecticut | Active |  | 37,766,444 | 2.12\% |
| Lexington Capital Partners II | Active |  | 18,945,634 | 1.06\% |
| Special Situations |  |  | 208,493,302 | 11.68\% |
| Washington \& Congress Partners | Active |  | 62,577,487 | 3.51\% |
| Welsh Carson Anderson \& Stowe Capital Partners III | Active |  | 61,793,460 | 3.46\% |
| Greenwich Street Capital Partners II | Active |  | 44,142,163 | 2.47\% |
| Forstmann Little MBO VII | Active |  | 32,910,533 | 1.84\% |
| KPS Special Situations Fund II | Active |  | 4,920,813 | 0.28\% |
| TCI Liquidating Trust | Active |  | 2,148,846 | 0.12\% |
| Other (1) |  |  | 179,283,790 | 10.04\% |
| SUBTOTAL PIF |  | \$ | 1,785,366,036 | 100.00\% |
| TOTAL |  | \$ | 21,223,897,283 |  |
| Adjustments ${ }^{(3)}$ |  |  | $(1,034,507,503)$ |  |
| GRAND TOTAL |  | \$ | 20,189,389,780 |  |

(1) Other represents moneys earmarked for distribution to participants, reinvestment, and expenses as well as terminated advisor balances, Currency Overlay Managers and CT Financial Development Fund and Keystone Venture V Partnerships.
(2) Other also includes residential mortgage-backed securities for the Commercial Mortgage Fund.
(3) Represents Elimination Entry to the Financial Statements to account for investment of Combined Investment Funds in CRA.

## CONNECTICUT STATE TREASURER'S COMBINED INVESTMENT FUNDS

SCHEDULE OF CONSULTING SERVICES IN EXCESS OF \$5,000 ${ }^{(1)}$ FOR PERIODS ENDED JUNE 30

| Name of Firm | Description of Services | Aggregate Compensation Paid in Fiscal Year: |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2004 | 2003 | 2002 | 2001 | 2000 |
| CONSULTING SERVICES |  |  |  |  |  |  |
| CRA RogersCasey Consulting Inc. | Pension Funds Consultant | 480,663 | 576,576 | 555,000 | 157,500 | 257,000 |
| Ferrell Capital Management | International Equity | - | - | - | - | 7,500 |
| Greystone Capital Management | Pension Funds Consultant | 16,280 | 10,230 | 9,900 | - | - |
| Guy E. Garcia | Pension Funds Consultant | - | - | 207,570 | - | - |
| Heidrick \& Struggles | Pension Funds Consultant | - | - | 98,487 | - | - |
| Horton International Maryland | Pension Funds Consultant | - | - | - | 22,101 | 42,536 |
| Invesco Private Capital (Sovereign) | Pension Funds Consultant | 1,153,486 | 978,286 | 955,813 | 997,751 | - |
| Irwin Tepper Assoc. Inc. | Pension Funds Consultant | - | - | - | - | 15,000 |
| Pamela J. Bartol | Pension Funds Consultant | - | - | 22,906 | 40,865 | 14,377 |
| Pension Consulting Alliance | Pension Funds Consultant | 260,136 | 138,098 | - | - | - |
| Robert Morgan | Pension Funds Consultant | - | - | - | 16,401 | - |
| Susan B. Sweeney | Pension Funds Consultant | - | - | 178,504 | 91,172 | - |
| Thompson Proxy Services Inc. | Pension Funds Consultant | - | - | 24,100 | 75,250 | - |
| William M. Mercer, Inc. | Inv. Adv. Council Consult. | - | - | 50,000 | - | - |
| TOTAL CONSULTING SERVICES COMPENSATION |  | \$1,910,565 | \$1,703,190 | \$2,102,280 | \$1,401,040 | \$336,413 |

(1) Expenses are presented on a cash basis.

INVESTMENT SUMMARY AT JUNE 30, $2004{ }^{(1)}$

| 2004 | $\$ 363,170,856$ | $\$ 363,170,856$ | $1.76 \%$ | $1.30 \%$ |
| :--- | ---: | ---: | ---: | ---: |
| 2003 | $710,832,993$ | $710,832,993$ | $3.75 \%$ | $1.80 \%$ |
| 2002 | $481,664,484$ | $481,664,484$ | $2.46 \%$ | $3.03 \%$ |
| 2001 | $391,346,777$ | $391,346,777$ | $1.85 \%$ | $6.35 \%$ |
| 2000 | $378,683,486$ | $378,683,486$ | $1.67 \%$ | $5.96 \%$ |
| 1999 | $227,101,012$ | $227,101,012$ | $1.11 \%$ | $5.46 \%$ |
| 1998 | $409,767,394$ | $409,767,394$ | $2.17 \%$ | $5.86 \%$ |
| 1997 | $640,227,925$ | $640,227,925$ | $3.57 \%$ | $5.70 \%$ |
| 1996 | $217,728,153$ | $217,728,153$ | $1.57 \%$ | $5.90 \%$ |
| 1995 | $594,092,737$ | $594,092,737$ | $4.80 \%$ | $5.83 \%$ |

Mutual Fixed Income Fund

|  | Book <br> Value | Market <br> Value | \% of Total <br> Fund MV | Rate of <br> Return |
| :--- | :---: | :---: | :---: | :---: |
|  | \$6,368,703,625 | $\$ 6,325,884,136$ | $30.63 \%$ | $2.79 \%$ |
| 2004 | $7,082,889,175$ | $7,308,417,293$ | $38.49 \%$ | $12.03 \%$ |
| 2003 | $7,412,105,698$ | $7,295,007,838$ | $37.30 \%$ | $5.64 \%$ |
| 2002 | $7,363,064,249$ | $7,218,746,648$ | $34.04 \%$ | $8.03 \%$ |
| 2001 | $7,463,463,748$ | $7,282,002,823$ | $32.06 \%$ | $5.77 \%$ |
| 2000 | $6,943,741,512$ | $6,762,463,935$ | $33.13 \%$ | $2.64 \%$ |
| 1999 | $6,798,694,018$ | $6,826,179,407$ | $36.22 \%$ | $10.52 \%$ |
| 1998 | $4,612,052,907$ | $4,902,597,809$ | $27.30 \%$ | $10.62 \%$ |
| 1997 | $3,946,699,249$ | $3,961,751,213$ | $28.51 \%$ | $5.97 \%$ |
| 1996 | $2,493,278,232$ | $2,576,238,602$ | $20.82 \%$ | $13.00 \%$ |
| 1995 |  |  |  |  |

Commercial Mortgage Fund

| 2004 | $\$ 35,210,421$ | $\$ 36,228,371$ | $0.18 \%$ | $7.87 \%$ |
| :--- | ---: | ---: | ---: | ---: |
| 2003 | $69,871,489$ | $71,990,878$ | $0.38 \%$ | $20.62 \%$ |
| 2002 | $69,553,258$ | $71,468,307$ | $0.37 \%$ | $1.19 \%$ |
| 2001 | $92,793,153$ | $100,727,402$ | $0.47 \%$ | $10.88 \%$ |
| 2000 | $168,263,689$ | $175,216,208$ | $0.77 \%$ | $8.26 \%$ |
| 1999 | $231,513,066$ | $235,232,350$ | $1.15 \%$ | $6.10 \%$ |
| 1998 | $262,476,294$ | $271,419,535$ | $1.44 \%$ | $17.71 \%$ |
| 1997 | $343,534,264$ | $324,002,103$ | $1.80 \%$ | $9.82 \%$ |
| 1996 | $467,004,415$ | $442,659,307$ | $3.19 \%$ | $6.46 \%$ |
| 1995 | $464,667,416$ | $455,820,517$ | $3.68 \%$ | $15.46 \%$ |


| Book |  |  |  |
| ---: | :---: | :---: | :---: |
| Value | Market | Value of Total | Rate of |
|  |  | Fund MV | Return |
| $\$ 6,544,070,199$ | $\$ 7,779,104,677$ | $37.67 \%$ | $20.84 \%$ |
| $6,047,280,312$ | $6,603,061,918$ | $34.77 \%$ | $0.48 \%$ |
| $6,401,472,709$ | $6,688,728,705$ | $34.20 \%$ | $(14.95 \%)$ |
| $6,649,619,519$ | $7,949,775,481$ | $37.49 \%$ | $(9.55 \%)$ |
| $6,578,261,062$ | $8,876,068,150$ | $39.08 \%$ | $10.03 \%$ |
| $6,321,181,834$ | $9,137,539,233$ | $44.77 \%$ | $19.38 \%$ |
| $5,597,631,659$ | $7,735,628,862$ | $41.04 \%$ | $28.40 \%$ |
| $5,740,662,847$ | $8,072,686,952$ | $44.95 \%$ | $30.74 \%$ |
| $5,473,247,153$ | $5,722,251,986$ | $41.19 \%$ | $23.98 \%$ |
| $3,626,292,305$ | $4,666,476,576$ | $37.71 \%$ | $23.20 \%$ |
|  |  |  |  |
|  | Real Estate | Fund |  |
| Book | Market | \% of Total | Rate of |
| Value | Value | Fund MV | Return |
|  |  |  |  |
| $\$ 348,015,445$ | $\$ 368,546,928$ | $1.78 \%$ | $0.67 \%$ |
| $399,402,161$ | $425,893,012$ | $2.24 \%$ | $3.30 \%$ |
| $417,067,553$ | $471,193,932$ | $2.41 \%$ | $0.81 \%$ |
| $407,455,431$ | $476,011,373$ | $2.24 \%$ | $14.45 \%$ |
| $464,709,616$ | $510,010,943$ | $2.25 \%$ | $9.18 \%$ |
| $442,674,319$ | $428,221,842$ | $2.10 \%$ | $9.96 \%$ |
| $445,482,545$ | $416,617,227$ | $2.21 \%$ | $25.63 \%$ |
| $553,333,465$ | $488,413,514$ | $2.72 \%$ | $10.69 \%$ |
| $1,172,793,083$ | $985,747,371$ | $7.09 \%$ | $0.83 \%$ |
| $1,198,474,807$ | $1,068,615,573$ | $8.63 \%$ | $(2.78 \%)$ |

International Bond Fund ${ }^{(3)}$

| Book <br> Value | Market <br> Value | \% of Total <br> Fund MV | Rate of <br> Return |
| :---: | :---: | :---: | :---: |
| - | - | $-\%$ | $-\%$ |
| - | - | $-\%$ | $-\%$ |
| - | - | $-\%$ | $-\%$ |
| - | - | $-\%$ | $-\%$ |
| - | - | $-\%$ | $-\%$ |
| - | - | $-\%$ | $-\%$ |
| - | - | $-\%$ | $-\%$ |
| $\$ 695,139,207$ | $\$ 749,095,597$ | $6.05 \%$ | $19.10 \%$ |

Residential Mortgage Fund ${ }^{(4)}$

| Book <br> Value | Market <br> Value | \% of Total <br> Fund MV | Rate of <br> Return |
| :---: | ---: | ---: | ---: |
| - | - | $-\%$ | $-\%$ |
| - | - | $-\%$ | $-\%$ |
| - | - | $-\%$ | $-\%$ |
| - | - | $-\%$ | $-\%$ |
| - | - | $-\%$ | $-\%$ |
| - | - | $-\%$ | $-\%$ |
| $\$ 50,630,376$ | $\$ 48,602,786$ | $0.39 \%$ | $11.54 \%$ |

## CONNECTICUT STATE TREASURER'S COMBINED INVESTMENTFUNDS

INVESTMENT SUMMARY AT JUNE 30, 2004 (Continued)

|  | Private Investment Fund ${ }^{(5)}$ |  |  |  | Connecticut Programs Fund ${ }^{(5)}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Book Value | Market Value | \% of Total Fund MV | Rate of Return | Book Value | Market Value | \% of Total Fund MV | Rate of Return |
| 2004 | \$2,406,829,047 | \$1,781,312,669 | 8.63\% | 20.21\% | - | - | —\% | -\% |
| 2003 | 2,413,582,348 | 1,842,900,019 | 9.70\% | (11.94\%) | - | - | -\% | -\% |
| 2002 | 2,315,048,277 | 2,276,642,374 | 11.64\% | (10.81\%) | - | - | -\% | -\% |
| 2001 | 2,217,285,786 | 2,601,575,275 | 12.28\% | (6.25\%) | - | - | -\% | -\% |
| 2000 | 1,879,100,932 | 2,561,042,272 | 11.28\% | 53.86\% | - | - | -\% | -\% |
| 1999 | 1,138,252,584 | 1,182,905,063 | 5.80\% | (0.81\%) | - | - | -\% | -\% |
| 1998 | 715,880,779 | 794,324,372 | 4.21\% | 18.55\% | - | - | -\% | -\% |
| 1997 | 496,527,964 | 542,174,959 | 3.02\% | 5.68\% | - | - | -\% | -\% |
| 1996 | 198,233,821 | 302,481,786 | 2.18\% | 43.78\% | \$172,656,335 | \$179,638,107 | 1.29\% | 14.24\% |
| 1995 | 167,316,010 | 222,837,361 | 1.80\% | 25.39\% | 122,511,963 | 112,633,665 | 0.91\% | (5.86\%) |
| Total Fund |  |  |  |  |  |  |  |  |
|  | Book <br> Value | Market Value | \% of Total Fund MV | Rate of Return |  |  |  |  |
| 2004 | \$19,473,480,993 \$ | \$20,650,115,902 | 100.00\% | 15.23\% |  |  |  |  |
| 2003 | 18,771,449,134 | 18,989,393,113 | 100.00\% | 2.49\% |  |  |  |  |
| 2002 | 19,403,848,200 | 19,557,516,103 | 100.00\% | (6.39\%) |  |  |  |  |
| 2001 | 19,571,276,798 | 21,204,840,744 | 100.00\% | (3.68\%) |  |  |  |  |
| 2000 | 19,248,259,423 | 22,711,717,228 | 100.00\% | 13.13\% |  |  |  |  |
| 1999 | 17,242,196,196 | 20,410,424,008 | 100.00\% | 10.49\% |  |  |  |  |
| 1998 | 16,218,449,530 | 18,848,711,553 | 100.00\% | 17.19\% |  |  |  |  |
| 1997 | 14,443,085,321 | 17,958,291,977 | 100.00\% | 19.35\% |  |  |  |  |
| 1996 | 13,662,295,156 | 13,893,219,375 | 100.00\% | 14.14\% |  |  |  |  |
| 1995 | 11,041,902,207 | 12,376,250,052 | 100.00\% | 13.48\% |  |  |  |  |

(1) All rates of return are net of management fees and division operating expenses.
(2) The market value of CRA for the periods presented represents the market value of the pension and trust balances in CRA only (excluding receivables and payables); the CRA balances of the other combined investment funds are shown in the market value of each fund.
(3) The International Bond Fund merged with The Mutual Fixed Income Fund in March 1996.
(4) Residential Mortgage Fund was merged with the Commercial Mortgage Fund in November 1995.
(5) The Connecticut Programs Fund merged with Venture Capital Fund In December 1996. In fiscal year 1999, the Venture Capital Fund was renamed as the Private Investment Fund.

## MUTUAL EQUITY FUND

| Security Name | Industry Sector | Market Value | \% |
| :--- | :--- | ---: | :---: |
| CitiGroup Inc | Financial | $\$ 169,363,323$ | $2.18 \%$ |
| General Electric | Technology | $160,959,442$ | $2.07 \%$ |
| Pfizer Inc | Health Care | $160,708,239$ | $2.07 \%$ |
| Microsoft | Technology | $140,900,646$ | $1.81 \%$ |
| Intel Corp | Technology | $133,227,822$ | $1.71 \%$ |
| Exxon Mobil Corp | Energy | $132,523,970$ | $1.70 \%$ |
| Bank America Corp | Financial | $132,356,934$ | $1.70 \%$ |
| Johnson \& Johnson | Health Care | $127,384,340$ | $1.64 \%$ |
| International Business Machines | Technology | $101,121,361$ | $1.30 \%$ |
| Wal Mart Stores Inc | Consumer Non-Durables | $98,627,486$ | $1.27 \%$ |
| Top Ten |  | $\mathbf{\$ 1 , 3 5 7 , 1 7 3 , 5 6 3}$ | $\mathbf{1 7 . 4 5 \%}$ |
| Total Market Value | $\mathbf{\$ 7 , 7 7 9 , 1 0 4 , 6 7 7}$ |  |  |

## INTERNATIONAL STOCK FUND

| Security Name | Country | Market Value | $\%$ |
| :--- | :--- | :--- | :---: |
| Total SA Eur 10 Serie B | France | $\$ 7,549,900$ | $1.44 \%$ |
| Vodafone Group ORD USD .10 | United Kingdom | $55,126,735$ | $1.38 \%$ |
| Samsung Electronic KRW5000 | Korea | $51,255,518$ | $1.28 \%$ |
| Baring Emerging Markets Fund | Taiwan | $46,388,874$ | $1.16 \%$ |
| BP PLC Ord USD .25 | United Kingdom | $45,685,770$ | $1.14 \%$ |
| Nestle SA CHF1 (REGD) | Switzerland | $44,341,940$ | $1.11 \%$ |
| Toyota Motor Corp. JPY50 | Japan | $41,970,050$ | $1.05 \%$ |
| Royal BK Scot GRP Ord GBP .25 | United Kingdom | $41,889,569$ | $1.05 \%$ |
| Glaxosmithkline ORD GBP .25 | United Kingdom | $41,746,783$ | $1.04 \%$ |
| ENI EUR 1 | Italy | $\mathbf{4 0 , 9 5 8 , 3 4 0}$ | $1.03 \%$ |
| Top Ten |  | $\mathbf{\$ 4 6 6 , 9 1 3 , 4 7 9}$ | $\mathbf{1 1 . 6 8 \%}$ |
| Total Market Value | $\mathbf{\$ 3 , 9 9 5 , 8 6 8 , 2 6 5}$ |  |  |

## REAL ESTATE FUND

| Property Name | Location | Property Type | Market Value | $\%$ |
| :--- | :--- | :--- | :--- | :---: |
| Westport Senior Living Inv FD | Various | Senior Living | $\$ 67,336,094$ | $18.27 \%$ |
| Walton Street RE II LP Fnd 2 | Various | Various | $61,606,084$ | $16.72 \%$ |
| AEW Partners III | Various | Various | $59,388,204$ | $16.11 \%$ |
| Apollo Real Est Invest Fd III | Various | Various | $56,057,060$ | $15.21 \%$ |
| Union Station LTD LP | Washington, DC | Mixed Use | $33,743,600$ | $9.16 \%$ |
| Goodwin Square | Hartford, CT | Mixed Use | $26,253,002$ | $7.12 \%$ |
| Timberland Fund A - Duplin | Various | Timber | $15,392,417$ | $4.18 \%$ |
| New Boston Fund IV | Various | Various | $12,500,312$ | $3.39 \%$ |
| Rockwood Captial Fund V | Various | Various | $8,764,335$ | $2.38 \%$ |
| Timberland Fund A - Ball's Qtr. | Various | Timber | $\mathbf{2 , 1 5 8 , 6 2 5}$ | $\mathbf{0 . 5 9 \%}$ |
| Top Ten |  | $\mathbf{3 4 3 , 1 9 9 , 7 3 3}$ | $\mathbf{9 3 . 1 3 \%}$ |  |
| Total Market Value |  | $\mathbf{\$ 3 6 8 , 5 4 6 , 9 2 8}$ |  |  |

## MUTUAL FIXED INCOME FUND

| Security Name | Coupon | Maturity | Security Type |  | Market Value | \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| GNMA TBA | 5.50\% | 12/01/2034 | U.S. Govt Agency | \$ | 99,812,500 | 1.58\% |
| U.S. Treasury Notes | 2.50\% | 05/31/2006 | U.S. Govt Agency |  | 91,656,843 | 1.45\% |
| U.S. Treasury Notes | 4.75\% | 05/15/2014 | U.S. Govt Agency |  | 88,813,725 | 1.41\% |
| Federal Natl Mtg Assn Dis Nts | 0.01\% | 07/09/2004 | U.S. Govt Agency |  | 79,348,078 | 1.25\% |
| FNMATBA | 5.50\% | 12/01/2034 | U.S. Govt Agency |  | 64,167,425 | 1.01\% |
| GNMA TBA | 6.50\% | 12/01/2034 | U.S. Govt Agency |  | 63,858,755 | 1.01\% |
| Federal Home Ln Mtg Dis Nts | 0.01\% | 07/27/2004 | U.S. Govt Agency |  | 44,861,862 | 0.71\% |
| FNMA TBA | 6.00\% | 12/01/2034 | U.S. Govt Agency |  | 41,799,916 | 0.66\% |
| GNMA TBA | 7.00\% | 12/01/2034 | U.S. GovtAgency |  | 38,546,063 | 0.61\% |
| FNMATBA | 5.00\% | 12/01/2034 | U.S. Govt Agency |  | 37,829,529 | 0.60\% |
| Top Ten |  |  |  |  | 650,694,696 | 10.29\% |
| Total Market Value |  |  |  | \$ 6,325,884,136 |  |  |

## COMMERCIAL MORTGAGE FUND

| Property Name | Location | Property Type |  | Market Value | \% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SASCO | Various | Other | \$ | 16,576,596 | 45.76\% |
| Greenhill Apts | Detroit, MI | Residential |  | 12,308,749 | 33.97\% |
| Sheraton Denver West | Lakewood, CO | Hotel |  | 6,157,218 | 17.00\% |
| Yankee Mac Series E 11.056\% | Various | Residential |  | 301,018 | 0.83\% |
| Yankee Mac Series G 11.125\% | Various | Residential |  | 142,422 | 0.39\% |
| Yankee Mac Series F 12.981\% | Various | Residential |  | 117,808 | 0.33\% |
| Yankee Mac Series B 14.121\% | Various | Residential |  | 39,341 | 0.11\% |
| Yankee Mac Series C 14.1505\% | Various | Residential |  | 32,097 | 0.09\% |
| Yankee Mac Series A 13.075\% | Various | Residential |  | 19,656 | 0.05\% |
| Yankee Mac Series D 12.1405\% | Various | Residential |  | 3,832 | 0.01\% |
| Top Ten |  |  | \$ | 35,698,737 | 98.54\% |
| Total Market Value |  |  | \$ | 36,228,371 |  |

## PRIVATE INVESTMENT FUND

| Partnership Name | Partnership Type | Market Value | \% |
| :--- | :--- | ---: | :---: |
| Constitution Liquidating Fund | Fund of Funds | $\$ 188,733,374$ | $10.59 \%$ |
| Compass Partners European Equity Fund | International | $128,517,912$ | $7.21 \%$ |
| Hicks, Muse Tate \& Furst Equity Fund III | Buyout | $99,325,655$ | $5.58 \%$ |
| Carlyle Europe Partners | International | $93,108,125$ | $5.23 \%$ |
| Landmark Private Equity Fund VIII | Fund of Funds | $74,809,087$ | $4.20 \%$ |
| Gilbert Global Equity Partners | International | $73,709,355$ | $4.14 \%$ |
| Washington \& Congress Capital Partners | Special Situations | $62,577,487$ | $3.51 \%$ |
| Welsh Carson Anderson \& Stowe Capital Partners III | Special Situations | $61,793,460$ | $3.47 \%$ |
| SW Pelham Fund | Mezzanine | $59,843,450$ | $3.36 \%$ |
| AIG Global Emerging Markets Fund | International | $44,983,108$ | $2.53 \%$ |
| Top Ten |  | $\mathbf{8 8 7 , 4 0 1 , 0 1 3}$ | $\mathbf{4 9 . 8 2 \%}$ |
| Total Market Value | $\mathbf{\$ 1 , 7 8 1 , 3 1 2 , 6 6 9}$ |  |  |

## GLOSSARY OFINVESTMENTTERMS

Agency Securities - Securities issued by U.S. Government agencies, such as the Federal Home Loan Bank. These securities have high credit ratings but are not backed by the full faith and credit of the U.S. Government.

Alpha - A measurement of the difference between the actual performance of a fund and its expected performance given the overall return of the market and the fund's beta. Positive alpha indicates successful management of risk while a negative alpha suggests unsuccessful management.
Asset - Anything owned that has value; any interest in property, tangible or intangible, that can be used for payment of debts.
Asset Backed Security- Financial instruments collateralized by one or more types of assets including real property, mortgages, and receivables.
Banker's Acceptance (BA) - A high-quality, short-term negotiable discount note, drawn on and accepted by banks which are obligated to pay the face amount at maturity.
Basis Point (bp) - The smallest measure used in quoting yields or returns. One basis point is $0.01 \%$ of yield, 100 basis points equals $1 \%$. A yield that changed from $8.75 \%$ to $9.50 \%$ increased by 75 basis points.
Benchmark - A standard unit used as the basis of comparison; a universal unit that is identified with sufficient detail so that other similar classifications can be compared as being above, below, or comparable to the benchmark.
Beta - A measure of the volatility associated with the price movement of a stock in relation to the price movement of the overall stock market or benchmark.
Book Value (BV) - The value of individual assets, calculated as actual cost less allowances for any depreciation. Book value may be more or less than current market value.
Capital Gain(Loss) - Also known as capital appreciation(depreciation), capital gain(loss) measures the increase(decrease) in value of an asset over time.
Certificates of Deposit (CDs) - A debt instrument issued by banks, usually paying interest, with maturities ranging from seven days to several years.
Coefficient of Determination $\left(\mathbf{R}^{2}\right)$ - A statistic which indicates the amount of variability in a dependent variable, such as Fund returns, which may be explained by an independent variable, such as market returns, in a regression model. The coefficient of determination is denoted $R^{2}$ and ranges from 0 to 1.0 . If the statistic measures 0 , the independent variable offers no explanation of the dependent variable. If the statistic measures 1.0 , the independent variable fully explains the dependent variable.

## Collateral - Property offered as security, usually as an inducement to another party, to lend money or extend

## credit.

Collateralized Mortgage Obligation (CMO) - A generic term for a security backed by real estate mortgages. CMO payment obligations are covered by interest and/or principal payments from a pool of mortgages.
Commercial Paper - Short-term obligations with maturities ranging from 1 to 270 days. They are issued by banks, corporations, and other borrowers to investors with temporarily idle cash.
Compounded Annual Total Return - Compounded annual total return measures the implicit annual percentage change in value of an investment, assuming reinvestment of dividends, interest, and realized capital gains, including those attributable to currency fluctuations. In effect, compounded annual total return "smoothes" fluctuations in long-term investment returns to derive an implied year-to-year annual return.
Consumer Price Index (CPI) - A measure of change in consumer prices, as determined by a monthly survey of the U.S. Bureau of Labor Statistics. Components of the CPI include housing costs, food, transportation, electricity, etc.
Cumulative Rate of Return - A measure of the total return earned for a particular time period. This calculation measures the absolute percentage change in value of an investment over a specified period, assuming reinvestment of dividends, interest income, and realized capital gains. For example, if a $\$ 100$ investment grew to $\$ 120$ in a two-year period, the cumulative rate of return would be $20 \%$.
Current Yield - The relationship between the stated annual interest or dividend rate and the market price of a security. In calculating current yield, only income payments are considered; no consideration is given to capital gain/loss or interest on interest.
Derivative - Derivatives are generally defined as contracts whose value depends on, or derives from, the value of an underlying asset, reference rate, or index. For example, an option is a derivative instrument because its value derives from an underlying stock, stock index, or future.
Discount Rate - The interest rate that the Federal Reserve charges banks for loans, using government securities or eligible paper as collateral.
Diversification - The spreading of risk by putting assets in several different securities or categories of investments.

Duration - A measure of the average time to receipt of all bond cash flows. Duration is used to determine the percentage change in price of a fixed income security for a given change in the security's yield to maturity. Duration is stated in terms of time periods, generally years. (See Modified and Macaulay duration).
Equity - The ownership interest possessed by shareholders in a corporation.
ERISA (Employee Retirement Income Security Act) - The 1974 law governing the operation of most private pension and benefit plans. The law eased pension eligibility rules, set up the Pension Benefit Guarantee Corporation, and established guidelines for the management of pension funds.
Expense Ratio - The amount, expressed as a percentage of total investment, that shareholders pay for mutual fund operating expenses and management fees.
Fair Value - The amount at which a financial instrument could be exchanged in a current transaction between willing parties, other than in a forced or liquidation sale.
Federal Funds Rate - The interest rate charged by banks with excess reserves at a Federal Reserve district bank to banks needing overnight loans to meet reserve requirements. The federal funds rate is one of the most sensitive indicators of the direction of interest rates since it is set daily by the market.
Federal Reserve Board - The governing body of the Federal Reserve System (12 regional Federal banks monitoring the commercial and savings banks in their regions). The board establishes FRS policies on such key matters as reserve requirements and other regulations, sets the discount rate, and tightens or loosens the availability of credit in the economy.
Fiduciary - A person, company, or association holding assets in trust for a beneficiary. The fiduciary is charged with the responsibility to invest the money prudently for the beneficiary's benefit.
Fitch Investor Services - A financial services bond rating agency.
Floating Rate Note - A fixed principal instrument which has a long or even indefinite life and whose yield is periodically reset relative to a reference index rate to reflect changes in short- or intermediate-term interest rates.
Gross Domestic Product - Total final value of goods and services produced in the United States over a particular period or time, usually one year. The GDP growth rate is the primary indicator of the health of the economy.
Hedge - An investment in assets which serves to reduce the overall risk of a portfolio, usually at the expense of potential reward.
Index - A benchmark used in executing investment strategy which is viewed as an independent representation of market performance. An index implicitly assumes cost-free transactions; some assume reinvestment of income. Example: S\&P 500 index.
Index Fund - A fund whose portfolio attempts to replicate that of a broadbased index such as the S\&P 500 so as to match its performance.
Inflation - A measure of the rise in price of goods and services, as happens when spending increases relative to the supply of goods on the market, i.e. too much money chasing too few goods.
Investment Income - The equity dividends, bond interest, and/or cash interest paid on an investment.
J-Curve - An economic theory stating that a policy designed to have one effect will initially have the opposite effect. With regard to closed end commingled fund investments, this generally refers to the impact on returns of contributions made in the early portion of a fund's existence. Invested capital is used to pay fees and organizational costs as well as to make investments in non-income producing enterprises. Such uses negatively impact returns in early periods but are expected to generate increasing income and valuations in the late periods as the previously non-income producing entities start producing income and the relative size of fees and other costs diminish relative to the value of invested capital.
JP Morgan Emerging Markets Bond Index Plus (EMBI+) - An index which tracks total returns for traded external debt instruments in the emerging markets. The instruments include external-currency-denominated Brady bonds, loans and Eurobonds, as well as U.S. dollar local markets instruments. The EMBI+ expands upon Morgan's original Emerging Markets Bond Index, which was introduced in 1992 and covers only Brady bonds.
LB Aggregate Index - An index made up of Government, Corporate, Mortgage Backed, and Asset Backed securities, all rated investment grade. Returns are market value weighted inclusive of interest. Issues must have at least one year to maturity and an outstanding par value of at least $\$ 100$ million.
Letter of Credit - An instrument or document issued by a bank, guaranteeing the payment of a customer's drafts up to a stated amount for a specified period. It substitutes the bank's credit for the buyer's and eliminates the seller's risk.
Liability - The claim on the assets of a company or individual - excluding ownership equity. The obligation to make a payment to another.

Leverage - The use of borrowed funds to increase purchasing power and, ideally, to increase profitability of an investment transaction or business.
Macaulay Duration - The present value weighted time to maturity of the cash flows of a fixed payment instrument or of the implicit cash flows of a derivative based on such an instrument.
Market Value - The price at which buyers and sellers trade similar items in an open marketplace. Stocks are considered liquid and are therefore valued at a market price. Real estate is illiquid and valued on an appraised basis.
Master Custodian - An entity, usually a bank, used for safekeeping of securities and other assets. Responsible for other functions including accounting, performance measurement and securities lending.
Maturity Date - The date on which the principal amount of a bond or other debt instrument becomes payable or due.
Mezzanine Debt - Subordinated debt.
MFR Index (Formerly IBC) - An index which represents an average of the returns of institutional money market mutual funds that invest primarily in first-tier (securities rated A-1, P-1) taxable securities.
Modified Duration - A measurement of the change in the value of an instrument in response to a change in interest rates. It is the primary basis for comparing the effect of interest rate changes on prices of fixed income securities.
Money Market Fund - An open-ended mutual fund that invests in commercial paper, bankers' acceptances, repurchase agreements, government securities, certificates of deposit, and other highly liquid and safe securities and pays money market rates of interest. The fund's net asset value remains a constant $\$ 1$ per share - only the interest rate goes up or down.
Moody's (Moody's Investors Service) - A financial services company which is one of the best known bond rating agencies in the country.
MSCI-EAFE - Morgan Stanley Europe Australasia Far East foreign equity index. An arithmetic value weighted average of the performance of over 900 securities on the stock exchanges of 19 countries on three continents. The index is calculated on a total return basis, which includes reinvestment of dividends net of withholding taxes.
Net Asset Value (NAV) - The total assets minus liabilities, including any valuation gains or losses on investments or currencies, and any accrued income or expense. NAV is similar to Shareholders' Equity.
NCREIF (National Council of Real Estate Investment Fiduciaries) - An index consisting of investment-grade, non-agricultural, income-producing properties: apartments, hotels, offices, and warehouses. Its return includes appreciation, realized capital gains, and income. It is computed by adding the income return and capital appreciation return generated by the properties in the index, on a quarterly basis.
Par Value - The stated or face value of a stock or bond. It has little significance for common stocks, however, for bonds it specifies the payment amount at maturity.
Pension Fund - A fund set up by a corporation, labor union, governmental entity, or other organization to pay the pension benefits of retired workers.
Percentile - A description of the percentage of the total universe in which portfolio performance is ranked.
Price/Book (P/B) - A ratio showing the price of a stock divided by its book value. The P/B measures the multiple at which the market is capitalizing the net asset value per share of a company at any given time.
Price/Earnings (P/E) - A ratio showing the price of a stock divided by its earnings per share. The P/E measures the multiple at which the market is capitalizing the earnings per share of a company at any given time.
Present Value - The current value of a future cash flow or series of cash flows discounted at an appropriate interest rate or rates. For example, at a $12 \%$ interest rate, the receipt of one dollar a year from now has a present value of $\$ 0.89286$.
Principal - Face value of an obligation, such as a bond or a loan, that must be repaid at maturity.
Prudent Person Rule - The standard adopted by some states to guide those fiduciaries with responsibility for investing money of others. Such fiduciaries must act as a prudent person would be expected to act, with discretion and intelligence, to seek reasonable income, preserve capital, and, in general, avoid speculative investment.
Realized Gain (Loss) - A gain (loss) that has occurred financially. The difference between the principal amount received and the cost basis of an asset realized at sale.
Relative Volatility - A ratio of the standard deviation of the Fund to the standard deviation of its selected benchmark. A relative volatility greater than 1.0 suggests comparatively more volatility in Fund returns than those of the benchmark.
Repurchase Agreements ("Repos") - An agreement to purchase securities from an entity for a specified amount of cash and to resell the securities to the entity at an agreed upon price and time. Repos are widely used as a money market instrument.

## GLOSSARY OF INVESTMENT TERMS (Continued)

Reverse Repurchase Agreements ("Reverse Repos") - An agreement to sell securities to an entity for a specified amount of cash and to repurchase the securities from the entity at an agreed upon price and time.

Return on Equity (ROE) - The net income for the accounting period after payment of preferred stock dividends and before payment of common stock dividends of a company divided by the common stock equity at the beginning of the accounting period.
Risk Adjusted Return - A modified (usually reduced) return which accounts for the cost of a specific investment exposure as well as the aggregate risk of such exposure.
Russell 3000 - An equity index comprised of the securities of the 3,000 largest public U.S. companies as determined by total market capitalization. This index represents approximately $98 \%$ of the U.S. equity market. The largest security has a market capitalization of approximately $\$ 85$ billion; the smallest is approximately $\$ 90$ million.
Salomon Brothers Broad Investment-Grade Bond Index (SBIG) - A market value-weighted index composed of over 4,000 individually priced securities with a quality rating of at least BBB. Each issue has a minimum maturity of one year with an outstanding par amount of at least $\$ 25$ million.

Salomon Brothers World Government Bond Index Non-U.S. (SWGBI) - An unhedged index measuring government issues of 12 major industrialized countries.
Securities Lending - A carefully collateralized process of loaning portfolio positions to custodians, dealers, and short sellers who must make physical delivery of positions. Securities lending can reduce custody costs or enhance annual returns by a full percentage point or more in certain market environments.

Soft Dollars - The value of research or other services that brokerage houses and other service entities provide to a client "free of charge" in exchange for the client's business.
S\&P 500 (Standard \& Poor's) - The composite price average of 425 industrial stocks, 50 utility stocks, and 25 railroad stocks.

S\&P Ratings - A financial services company which is one of the best known bond rating agencies in the country
Standard Deviation - A statistical measure showing the deviation of an individual value in a probability distributed from the mean (average) of the distribution. The greater the degree of dispersion from the mean rate of return, the higher the standard deviation; therefore, the higher the risk.

Total Fund Benchmark - A hybrid benchmark customized to reflect the CRPTF's asset allocation and performance objectives. This benchmark is comprised of 36\% Russell 3000 Index; 18\% International Stock Fund benchmark; 29\% Mutual Fixed Income benchmark; 5\% Russell 3000 Index; 11\% S\&P 500 Index; and 1\% MFR First Tier Rated Index. The International Stock Fund benchmark is comprised of 83\% Citigroup Europe, Pacific, Asia Composite Broad Market Index (50\% Hedged) and $17 \% \mathrm{MSCI}$ Emerging Market Free Index. The Mutual Fixed Income benchmark consists of 73\% Lehman Brothers U. S. Aggregate Index, 17\% S\&P/Citigroup High Yield Market Index, and 10\% JPM Emerging Markets Bond Index.

Treasury Bill (T-Bill) - Short-term, highly liquid government securities issued at a discount from the face value and returning the face amount at maturity.

Treasury Bond or Note - Debt obligations of the Federal government that make semiannual coupon payments and are sold at or near par value in denominations of $\$ 1,000$ or more.

Trust - A fiduciary relationship in which a person, called a trustee, holds title to property for the benefit of another person, called a beneficiary.
TUCS - Trust Universe Comparison Service. TUCS is based upon a pooling of quarterly trust accounting data from participating banks and other organizations that provide custody for trust assets.
Turnover - Security purchases or sales divided by the fiscal year's beginning and ending market values for a given portfolio.
Unrealized Gain (Loss) - A profit (loss) that has not been realized through the sale of a security. The gain (loss) is realized when a security or futures contract is actually sold or settled.
Variable Rate Note - Floating rate notes with a coupon rate adjusted at set intervals, such as daily, weekly, or monthly, based on different interest rate indices, such as LIBOR, Fed Funds, and Treasury Bills.
Volatility - A statistical measure of the tendency of a market price or yield to vary over time. Volatility is said to be high if the price, yield, or return typically changes dramatically in a short period of time.
Yield - The return on an investor's capital investment.
Yield Curve - A graph showing the term structure of interest rates by plotting the yields of all bonds of the same quality with maturities ranging from the shortest to the longest possible. The Y -axis represents the interest rate and the X -axis represents time, generally with a normal curve that is convex in shape.
Zero Coupon Bond - A bond paying no interest that sells at a discount and returns principal only at maturity.

## UNDERSTANDING INVESTMENTPERFORMANCE

## Introduction

This section discusses the Treasury's approach to measuring performance, including risk and return of the Connecticut Retirement Plans and Trust Funds (CRPTF).

## Understanding Performance

To measure success in achieving the primary objective of the Asset Allocation Plan, the Fund's performance is evaluated in two principal areas: risk and return. The results of these reviews, coupled with information on portfolio characteristics, are used to monitor and improve the performance of the Fund's external investment advisors.

To bring accountability and perspective to Fund performance and measurements of risk and return, The Connecticut Retirement Plans and Trust Funds are compared to those of similarly structured peer groups and indices. These comparisons enable plan participants, the Treasurer and the Investment Advisory Council, to determine whether and by how much Fund returns exceeded or fell short of the benchmarks. Each Fund's benchmark is selected on the basis of portfolio composition, investment style, and objectives.

Comparative performance is reviewed over both the near-term and the long-term for two reasons. First, pension management is, by its very nature, a long-term process. While both young and old employees comprise the pool of plan beneficiaries, the average age of plan participants is relatively low and requires that plan assets be managed for the long term. Second, as experience has shown, results attained in the short term are not necessarily an indicator of results to be achieved over the long term. Performance must be viewed in a broader context.

Overall performance is measured by calculating monthly returns and linking them to provide one-, three-, five- and tenyear histories of overall investment performance. Short-term performance is measured by total return over one-month, quarter-end, and trailing one-year time periods. Risk is also measured over both short- and the long-term periods.

Risk
The measurement of risk is a critical component in investment management. It is the basis for both strategic decisionmaking and investment evaluation. As an investment tool, investors assume risk to enhance portfolio returns. These enhancements, viewed as returns in excess of those available on "risk-free" investments, such as Treasury Bills, vary in magnitude according to the degree of risk assumed. Many investors focus on the negative aspects of risk and in doing so forego substantial upside potential, which can significantly enhance long-term returns. Thus, while risk can never be completely eliminated from a portfolio, the prudent management of risk can maximize investment returns at acceptable levels of risk.

Risk can take several forms and include: market risk, the risk of fluctuations in the overall market for securities; company risk, the risk of investing in any single company's stock or bonds; currency-exchange risk, the risk that a foreign country's currency may appreciate or depreciate relative to the U.S. dollar, thus impacting the value of foreign investments; and political risk, risk incurred through investing in foreign countries with volatile economies and political systems.

With respect to fixed income investments, investors also assume: reinvestment risk, the risk that cash flows received from a security will be reinvested at lower rates due to declining interest rates; credit or default risk, the risk that the issuer of a fixed income security may fail to make principal and interest payments on the security; interest rate risk, the risk that prices of fixed coupon bonds will decline in the event of rising market interest rates; and inflation or purchasing power risk, the risk that the real value of a security and its cash flows may be reduced by inflation. The level of risk incurred in fixed income investing increases as the investment time horizon is lengthened. This is demonstrated by the comparatively higher yields available on "long bonds," or bonds maturing in 20 to 30 years, versus those available on short-term fixed income securities.

In the alternative investment category, risks are significantly greater than those of publicly traded investments. Assessment of progress is more tenuous and valuation judgments are more complex. The investor assumes not only management, product, market, and operations risk, similar to equity investing, but also assumes liquidity risk, the risk that one's investment cannot be immediately liquidated at other than substantially discounted value.

## Volatility

To measure the effects of risk on the portfolio, the volatility of returns is calculated over time. Volatility, viewed as deviation of returns from an average of these returns over time, is measured statistically by standard deviation. Standard deviation is one of the most widely accepted and descriptive risk measures used by investment professionals today. Funds with high standard deviations are considered riskier than those with low standard deviations.

To evaluate the significance of the Funds' standard deviation, each Fund's relative volatility, or the ratio of the Fund's standard deviation to that of the benchmark is calculated. A relative volatility greater than 1.0 indicates that the Fund is more volatile than the benchmark while a measure less than 1.0 indicates less volatility. A relative volatility of 1.0 signifies an equal degree of volatility between the Fund and the benchmark.

As an extension of standard deviation, each Fund's beta, or a measure of the relative price fluctuation of the Fund to its benchmark, is also calculated. The measurement of beta allows one to evaluate the sensitivity of Fund returns to given movements in the market and/or its benchmark. A beta greater than 1.0 compared to the selected market benchmark signifies greater price sensitivity while a beta less than 1.0 indicates less sensitivity.

To measure the degree of correlation between Fund returns and the benchmark, the Division calculates the coefficient of determination, or $\mathrm{R}^{2}$. This calculation, which is used in conjunction with beta, allows one to evaluate how much of the volatility in Fund returns is explained by returns in the selected market benchmark. An $R^{2}$ of 1.0 indicates that Fund returns are perfectly explained by returns of the benchmark, while a value less than 1.0 indicates that the returns of the benchmark explain only a portion of the fund return.

Finally, to evaluate how well each of the above measures actually predicted returns of the Fund, a calculation is performed on the Fund's alpha. This calculation measures the absolute difference between the Fund's monthly return and that predicted by its beta. Used together, these measures provide a comprehensive view of a Fund's relative risk profile.

## Return

The Pension and Trust Funds are managed for maximum return with minimal risk. Return, viewed in this context, includes realized and unrealized gains in the market value of a security, including those attributable to currency fluctuations, as well as income distributed from a security such as dividends and interest. Return is measured through two calculations: compounded annual total return and cumulative total return.

Compounded Annual Total Return - This return measure evaluates performance over the short and long-term. Compounded annual total return measures the implicit annual percentage change in value of an investment, assuming reinvestment of dividends, interest, and realized and unrealized capital gains, including those attributable to currency fluctuations. In effect, compounded annual total return "smoothes" fluctuations in long-term investment returns to derive an implied year-to-year annual return.

Cumulative Total Return - This calculation measures the absolute percentage change in value of an investment over a specified period, assuming reinvestment of dividends, interest income, and realized capital gains. While this calculation does not "smooth" year-to-year fluctuations in long-term returns to derive implied annual performance, cumulative total return allows one to see on an absolute basis the percentage increase in the total Fund's value over a specified time. Viewed graphically, cumulative total return shows one what a $\$ 10$ million investment in the CRPTF a set number of years ago would be worth today.


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[^0]:    (1) Excludes the Cash Reserve Account.

[^1]:    (1) Expenses are presented on a cash basis.
    (2) Alternative Investment Management fees for the Private Investment Fund and the Real Estate Fund include capitalized fees and expensed fees. Capitalized fees are part of the cost of the investment and become a component of unrealized gain (loss). Capitalized fees are disclosed in Note 1 of the Combined Investment Funds Financial Statements. Expensed fees which are not part of the cost of the investment are recorded in the Statement of Operations. Not Included in the above amounts are those amounts that are netted. Netted amounts include credits and fees paid out of cash on hand at the

