

# (8) <br> <br> Comprehensive <br> <br> Comprehensive Annual Financial Report 

FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 2006

## Volume 1



# Comprehensive Annual Financial Report 

for the fiscal year ended September 30, 2006

District of Columbia Retirement Board
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DCRB COMPREHENSIVE ANNUAL FINANCIAL REPORT

## Introductory Section

# Letter of Transmittal 

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December 30, 2006

Shireen L. Dodson
Chairman of the Board of Trustees
District of Columbia Retirement Board

## Introduction

I am pleased to present the Comprehensive Annual Financial Report (CAFR) of the District of Columbia Retirement Board (DCRB) for the fiscal year ending September 30, 2006. The DCRB was established to manage the District of Columbia Police Officers' and Firefighters' Retirement Fund and the Teachers' Retirement Fund.

## CAFR Transmittal

This annual report is issued in accordance with the Federal "National Capital Revitalization and SelfGovernment Improvement Act of 1997" and the District "Police Officers, Firefighters and Teachers Retirement Benefit Replacement Plan Act of 1998". This report includes the independent auditor's reports on the District of Columbia Police Officers' and Firefighters' Retirement Fund, and the District of Columbia Teachers' Retirement Fund, (collectively referred to as "the Funds").

The audit reports are issued by the independent public accounting firm of Thompson, Cobb, Bazilio \& Associates, the selection of which was approved by the DCRB Board of Trustees, (the "Board"). This annual report also includes other information concerning the Funds, the Board, the District of Columbia Police Officers' and Firefighters' Retirement Plan and the District of Columbia Teachers' Retirement Plan (the "Plans"), Plan membership, investments, and Board operations.

Additional disclosures that are specifically required by statute are included in Volume II.

The responsibility for both accuracy of the data and the completeness and fairness of the presentation including all disclosures rests with the DCRB. We believe the data as presented is accurate in all material respects; that it is presented in a manner designed to fairly set forth the Plan assets and the changes in Plan assets and financial position of the Funds; and that all disclosures necessary to enable the reader to gain the maximum understanding of the financial activities of the Funds have been included.

## Structure of this Report

The CAFR of the DCRB for the fiscal year ending September 30, 2006 is prepared in two volumes, as follows:

## Volume I

Introductory Section including the Letter of Transmittal and the organizational structure. This section contains general information on the nature of the Funds, financial performance, and the investment objectives.

Financial Section including the 2006 audited financial statements, Management's Discussion and Analysis, and related schedules concerning the financial position and changes in plan Plan assets for the Funds.

Investment Section containing descriptions of the investment policy, objectives, results, and expenses.

Actuarial Section including the actuarial certification, descriptions of actuarial assumptions and methods, and schedules presenting summary data on members, retirees and beneficiaries.

Statistical Section including summary data on revenues, expenses and benefits.

## Volume II

Other Required Disclosures which are specified in applicable statutes are included in this volume, including information on the names and addresses of the Board of Trustees, bank statements, reportable transactions, transactions with parties of interest, Trustee activities sponsored by service providers, fund return data, and the annual actuarial statement.

## Structure of the DC Retirement Board and the Board of Trustees

The District of Columbia Retirement Board was created by the US Congress in 1979 under the Retirement Reform Act (the Reform Act). The Reform Act established the structure, legal responsibilities, and composition of the Board. The 12 member Board of Trustees consists of 6 individuals elected by the participant groups (2 each by police officers, firefighters and teachers), 3 appointed by the Mayor, and 3 appointed by the City Council. The DC Chief Financial Officer sits on the Board as an ex-officio member.

The Funds are managed and controlled by the Board, and are held in trust by the Board for the exclusive benefit of members, retirees and beneficiaries of the Plans. The Board's mission is to assure that sufficient assets are available to pay the benefits promised under the terms of the Plans, to pay those benefits promptly and accurately, and to provide all Plan participants with appropriate administrative support services when they contact the Board.

Information on the Trustees and the organizational structure of the Board is provided at Table 1: List of Board of Trustees and Chart 1: DCRB Organizational Structure.

## History and Legislative Background

Prior to the Reform Act, eligibility and benefit rules and financing arrangements for the pension plans for the District's police officers, firefighters and teachers were authorized by acts of Congress and administered by the Federal Government. Benefits were paid monthly from the general revenues of the U.S. Department of the Treasury when workers retired on a "pay-as-you-go" basis, not on a pre-funded basis using actuarial assumptions and methods. Under the "National Capital Revitalization and Self-Government Improvement Act of 1997" (the Revitalization Act), the Federal Government assumed responsibility for the unfunded pension liabilities for retirement benefits earned as of June 30, 1997. The District of Columbia passed the "Police Officers, Firefighters and Teachers Retirement Benefit Replacement Plan Act of 1998" (the Replacement Plan Act) that establish retirement plans for pension benefits accrued after June 30, 1997.

To facilitate the effective monitoring of the retirement system, the Reform Act and the Replacement Plan Act require the Board to publish an annual report for each fiscal year. The DCRB Comprehensive Annual Financial Report (CAFR) report fulfils that requirement.

With the passage of the District's Office of Financial Operations and Systems Reorganization Act of 2004, the Board assumed the responsibility for administering the retirement programs for the District's police officers, firefighters and teachers. The Board undertook extensive planning in cooperation with the US Treasury Office of DC Pensions (ODCP) in preparation for a smooth transition of benefits administration from the District Office of Pay and Retirement Services (OPRS) to DCRB.

The DCRB and ODCP are collaborating on changes to the Treasury retirement system to calculate the benefit split between the District and the Federal trusts, in accordance with the Split Benefit regulations. Completion of this project will result in the financial reconciliation of pension liabilities between the two trusts, projected to be completed in 2009.

## Profile of the Plans

The Plans for police officers and firefighters provide retirement, service-related disability, non-service-related disability, and death benefits in accordance with the

Plan description. All police officers and firefighters of the District of Columbia automatically become members on their date of employment. Police cadets are not eligible.

The Plan for teachers provides retirement, disability retirement, and death benefits in accordance with the Plan description. Permanent, temporary, and probationary teachers for the District of Columbia public day schools become members automatically on their date of employment. Other employees covered include librarians, principals, and counselors. Former DC teachers working at charter schools are eligible to remain in the program, upon election by the teachers.

The DCRB implemented two statutes in 2006 - the EMT Lateral Transfer legislation and the Post-56 Military Service Act.

Since the Board assumed responsibility for administering the Plans in October 2005. the Board now operates a Member Services Center that is available to all active Plan members and retirees, calculates benefit payments, works closely with ODCP to implement systems changes resulting from software upgrades or legislation affecting Plan provisions, and produces Plan communications that include a periodic newsletter, a Summary Annual Report reflecting fund investment results, and Summary Plan Descriptions as prescribed by statute. ODCP maintains the retirement system that calculates benefits, issues monthly benefit payments to retirees and survivors, and handles all payment-related activities, include tax withholdings and premiums for health and life insurances.

## Plan Management, Performance and Investments

As of September 30, 2006, the Plans had 24,133 members, of whom 13,383 were retirees and survivors who receive monthly pension payments and 10,750 active members. At that date, the Plans' assets were $\$ 3.62$ billion, an increase of approximately $15 \%$ in the total asset value from the end of FY 2005. During FY 2006, \$28.6 million in pension benefits accrued under the District Plans were paid and approximately $\$ 133$ million in employer contributions and $\$ 50.9$ million of employee contributions were collected.

In order to minimize administrative expenses while providing a broad range of investment options that are economically feasible, the assets of the Plans are com-
bined into a single investment management portfolio. The portfolio of combined assets is collectively referred to as the Fund. The investment returns of the Fund are calculated based on the market value of the assets.

The Fund outperformed its $7.25 \%$ actuarial assumed rate of return for the one, three, five, and ten-year periods ending September 30, 2006, by approximately 3.1\%, $4.8 \%, 1.2 \%$, and $1.5 \%$, respectively. Since inception, the Fund has achieved an average annual return of $10.5 \%$, prior to investment expenses and DCRB operating costs.

The Board seeks long-term investment returns in excess of the actuarial investment rate of return assumption at a level of risk commensurate with the expected level of returns and consistent with sound and responsible investment practices. The Board, working closely with investment consultants and with input from it's actuary, selects the asset allocation plan which best reflects the risk tolerance and investment goals for the Fund. The asset allocation plan is implemented through the careful screening and selection of investment managers with an audited favorable long-term track record, a disciplined investment process, and reasonable investment management fees. The Board's investment policy requires staff to compare the actual asset allocation to the target allocation on a quarterly basis. If an asset class minimum or maximum reflect any style drift, then an investment rebalancing may be undertaken.

The Fund seeks to outperform the return of the Total Fund Benchmark, computed as the weighted average return of the following strategic asset classes and benchmarks:

| Asset Class | Performance Benchmark | Weight |
| :--- | :--- | :--- |
| U.S. Equities | Russell 3000 Index | $40 \%$ |
| International | MSCI All Country World <br> ex US Index | $20 \%$ |
| Equities | Lehman Brothers <br> Universal Index | $25 \%$ |
| Income |  |  |
| Real Estate | NCREIF Index | $5 \%$ |
| Private Equity | Cambridge Private <br> Equity Index | $10 \%$ |

Over the long-term, the Fund has slightly underperformed the Total Fund Benchmark, with the Fund returning an annualized $8.7 \%$ (gross) for the 10 -year
period ended September 30, 2006, versus $8.9 \%$ for the Total Fund Benchmark. However, since its inception in October 1982, the Total Fund achieved an annualized gross return of $10.5 \%$.

## Summary of Financial Information

DCRB management is responsible for maintaining internal accounting controls to provide reasonable assurance that transactions are properly authorized and recorded on the accrual basis in accordance with GAAP, and that financial statements conform to GASB and AICPA reporting standards and GFOA guidelines.

The accounting records of DCRB are maintained by the DCRB staff. Pension payment information is contained within the System to Administer Retirement (STAR) maintained by US Treasury. Accounting and payroll transactions are processed through the District of Columbia's System of Accounting and Reporting (SOAR). DCRB budgets are approved by the Board and then incorporated in the District CFO\$ource budgetary system. The Funds' Trustee Bank, State Street, records and reports all investment and cash management transactions, and the Board exercises close review and controls over those records and transactions

Consideration is given to the adequacy of internal accounting controls for systems under the control of DCRB, and systems that are shared with other Governmental offices or service providers. DCRB requires that its service providers undergo an annual SAS 70 review by independent public accountants, and that government offices whose systems are used are subject to annual audit. These controls are designed to provide reasonable assurance regarding the safekeeping of assets and the reliability of financial records. We believe the internal controls in effect during the fiscal year ended September 30, 2006, adequately safeguard the Fund's assets and provide reasonable assurance regarding the proper recording of financial transactions.

The independent auditor's reports on the Plans are presented at Section 2 of this report.

## Additions to Plan Net Assets

Total FY 2006 contributions plus investment income for the Funds were approximately $\$ 516$ million as summarized below, (all amounts in \$000):

|  | FY 2006 | FY 2005 | \$Increase <br> (Decrease) | \%Increase <br> (Decrease) |
| :--- | :---: | :---: | :---: | :---: |
| Employee <br> Contributions | 50,949 | 48,582 | 2,367 | $4.87 \%$ |
| Employer |  |  |  |  |
| Contributions | 133,000 | 121,300 | 11,700 | $9.65 \%$ |
| Net Investment |  |  |  |  |
| Income | 332,203 | 372,848 | $(40,645)$ | $(10.90 \%)$ |
| Total | 516,152 | 524,730 | $(26,578)$ | $(4.90 \%)$ |

## Deductions to Plan Assets

Total FY 2006 District pension payments and administrative expenses for the Funds were approximately $\$ 42.4$ million as summarized below, (all amounts in $\$ 000$ ):

|  | FY 2006 | FY 2005 | \$Increase <br> (Decrease) $)$ | \%Increase <br> (Decrease) |
| :--- | :---: | :---: | :---: | :---: |
| Benefit |  |  |  |  |
| Payments | 39,588 | 34,433 | 5,155 | $14.97 \%$ |
| Administrative |  |  |  |  |
| Expenses | 2,827 | 5,999 | $(3,172)$ | $(52.88 \%)$ |
| Total |  |  |  |  |
| Deductions | 42,415 | 40,432 | $(1,983)$ | $(4.90 \%)$ |

## Plan Funding

The Replacement Plan Act establishes the method for calculating the employer (District of Columbia) annual contribution to the retirement Funds. The Board's enrolled actuary must determine the level of covered payroll, expressed as a percentage ("normal contribution rate") for each participant group. Under the Replacement Plan Act, the District must contribute the annual funding amount determined under the Aggregate Actuarial Cost method. No other funding limitations apply. The DC Government is current in providing to the Fund the actuarially determined employer contribution to the Plans.

## Other Information

The DCRB undertook several major initiatives during FY 2006.

Consistent with the asset allocation plan developed in accordance with the defined investment policy, the Board continued the prudent diversification of investments in FY 2006, investing in two new real estate investment vehicles, a secondary private equity fund, and a multi-strategy investment fund.

FY 2006 was the first year of responsibility for benefits administration. The Board hired a highly skilled staff, which worked closely with other District Agencies and the US Treasury, to successfully transition these responsibilities. The Benefits Department of the Board installed a Member Services Center that responded to over 20,000 telephone calls and visits by Plan participants during the year. The department continues to be an active participant in implementing changes to the Plans - responding to new statutes that affect Plan eligibility and benefits, collaborating with the US Treasury on upgrades to the retirement system, that is used jointly by DCRB and ODCP to manage benefit payments, and establish formal communications programs with the members, beneficiaries and survivors.

## Acknowledgements

I would like to express my appreciation to the US Treasury's Office of DC Pensions, the District of

Columbia City Council, the DC Office of Financial and Operations Systems, the DC Office of Budget and Planning, all other DC Government Offices that support the Board, and the DCRB trustees, staff, consultants and service providers for their tireless efforts to assure the financial soundness and successful operation of the DC Retirement Board.

If you have any questions regarding the Comprehensive Annual Financial Report (CAFR) of the District of Columbia Retirement Board for the fiscal year ending September 30, 2006, please direct them to my office at any time.

Respectfully submitted,

## Constance Donovan

Acting Executive Director/General Counsel District of Columbia Retirement Board

## The Organizational Structure

## Table 1: Board of Trustees

| Name | Representing | First Term Began | Current Term Expires |
| :---: | :---: | :---: | :---: |
| Lyle M. Blanchard | Appointed by the City Council | November 15, 2002 | January 27, 2009 |
| Barbara Davis Blum | Appointed by the Mayor | July 12, 2000 | January 27, 2008 |
| Mary A. Collins | Elected by Active Teachers | January 28, 1997 | January 27, 2009 |
| Shireen L. Dodson, Chairman | Appointed by the City Council | August 3, 2001 | January 27, 2008 |
| Brian K. Lee, <br> Parliamentarian | Elected by Active Firefighters | January 28, 2001 | January 27, 2009 |
| Lasana Mack, Ex Officio Representative | Ex Officio Member | N/A | N/A |
| Judith C. Marcus, Treasurer | Elected by Retired Teachers | January 28, 1998 | January 27, 2010 |
| Joan Parrot-Fonseca | Appointed by the Mayor | April 22, 2002 | January 27, 2007 |
| Darrick O. Ross, Sergeant-at-Arms | Elected by Active Police | January 28, 1999 | January 27, 2007 |
| William H. Simons | Appointed by the Mayor | September 13, 2001 | January 272006 |
| George R. Suter, Secretary | Elected by Retired Police | January 28, 1997 | January 27, 2009 |
| Thomas N. Tippett, | Elected by Retired Firefighters | March 21, 2005 | January 27, 2008 |
| Michael J. Warren | Appointed by the City Council | March 11, 2005 | January 27, 2007 |

## Chart 1: DCRB Organizational Diagram

The District of Columbia Retirement Board


Photo 1: Board of Trustees


DCRB COMPREHENSIVE ANNUAL FINANCIAL REPORT

Financial Section

## Independent Auditor's Report

## THOMPSON, COBB, BAZILIO \& ASSOCIATES, PC

Certified Public Accountants and Management, Systems, and Financial Consultants

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## Board of Trustees

District of Columbia Police Officers and Firefighters' Retirement Fund
We have audited the accompanying statements of net assets of the District of Columbia Police Officers and Firefighters' Retirement Fund (the Fund), a pension trust fund of the Government of the District of Columbia (the District), as of September 30, 2006 and 2005, and the related statements of changes in net assets for the years then ended. These financial statements are the responsibility of the Fund's management. Our responsibility is to express an opinion on these financial statements based on our audits.

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

As discussed in note 1, these financial statements only present the Fund and do not purport to, and do not, present the financial position of the Government of the District of Columbia as of September 30, 2006 and 2005, and the changes in its financial position for the years then ended in conformity with accounting principles generally accepted in the United States of America.

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets of the District of Columbia Police Officers and Firefighters' Retirement Fund as of September 30, 2006 and 2005, and the changes in its net assets for the years then ended in conformity with accounting principles generally accepted in the United States of America.

The information on schedules 1 and 2 and the management's discussion and analysis are not a required part of the financial statements, but are supplementary information required by the Governmental Accounting Standards Board. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the supplementary information. However, we did not audit this information and express no opinion on it.

Our audit was conducted for the purpose of forming an opinion on the financial statements taken as a whole. The information on schedules 3 through 5 is presented for the purposes of additional analysis and is not a required part of the financial statements. Such information has not been subjected to the auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion thereon.

## Thompoon, Cobb, Bazilio $\ddagger$ Associates, PC

Washington, D.C.
December 20, 2006

# Management's Discussion and Analysis 

This discussion and analysis provides an overview of the financial activities of the District of Columbia Police Officers and Firefighters' Retirement Fund (the Fund) as of and for the fiscal year ended September 30, 2006. This discussion and analysis should be read in conjunction with the statements, notes, and supplementary information.
The District of Columbia Retirement Board (the Board) is an independent agency of the District of Columbia Government. The Board is responsible for managing the assets of the Fund and of the District of Columbia Teachers' Retirement Fund. As authorized by DC Code, the Board commingles the assets of the two Retirement Funds for investment purposes. The Board proportionately allocates the investment activity and the administrative expenses of the Board between the two Retirement Funds.

Effective October 1, 2005, the Board became responsible for administering the pension benefits, and the related administrative expenses are borne by the Board.

Effective October 1, 2005, the Board is under contract to the United States Department of the Treasury (the U.S. Treasury) to administer police officer and firefighter pension benefits that are the financial responsibility of the Federal government. The U.S. Treasury reimburses the Board for relevant administrative expenses.

The Board incurred certain expenses during fiscal year 2006 in preparation for administering District and Federal pension benefits. The U.S. Treasury agreed to reimburse the Board for certain transition expenses.

## FINANCIAL HIGHLIGHTS

The financial highlights are:

- Net Assets Held in Trust for Pension Benefits as of September 30, 2006 were \$2,310,211.
- Net Assets Held in Trust for Pension Benefits increased during fiscal year 2006 by $\$ 337,119$.
- The Net Investment Income for fiscal year 2006 was \$212,089.
- The District of Columbia government contributed $\$ 117,500$ to the Fund for fiscal year 2006, which satisfied its statutory obligation.
- The Fund's share of administrative expenditures for fiscal year 2006 was $\$ 1,817$.


## OVERVIEW OF THE FINANCIAL STATEMENTS AND SCHEDULES

This discussion and analysis is an introduction to the basic financial statements and schedules. The basic financial statements include two statements, notes, and supplementary information.

Statements of Net Assets — present the assets, liabilities, and net assets held in trust for pension benefits as of the end of the current and prior fiscal year.

Statements of Changes in Net Assets - present the additions to and deductions from the net assets during the current and prior fiscal years. The statements present the major sources of additions and uses of deductions. Over time, the net increase or decrease in net assets may serve as a useful indicator of whether the financial position of the Fund as a whole is improving or deteriorating.

Notes to Financial Statements - present various disclosures to augment the two statements. The notes present information about the creation and administration of the Fund, significant accounting policies, and investments.

Supplementary Information - presents additional information about employer contributions, actuarial assumptions, additions and deductions for the last 10 fiscal years, and investments.

## FINANCIAL ANALYSIS

The Fund had Net Assets Held in Trust for Pension Benefits as of September 30, 2006, of $\$ 2,310,211$, which is an increase of $\$ 337,119$ from the end of the prior fiscal year.

## Net Assets

A summary of the Net Assets Held in Trust for Pension Benefits is below.

## Changes in Net Assets

The net assets increased during fiscal year 2006 by $\$ 337,119$. A summary of the change is below.

The District of Columbia government made the required employer contribution in fiscal year 2006 based on the funding formula contained in DC Code.

The Fund pays for pension benefits earned since June 30, 1997. As a result, the pension benefit expense will be increasing. The Fund also pays for increases in pension benefits that result from changes after June 30, 1997 in the provisions of the Plan.

The Total Fund returned 10.4\% during FY 2006. While it underperformed the Asset Allocation Benchmark by 60 basis points ( $10.4 \%$ versus $11.0 \%$ ), the Total Fund outperformed the Board's actuarial assumed rate of return of $7.25 \%$ by approximately 315 basis points. The Total Fund's underperformance relative to the Asset Allocation Benchmark for FY 2006 can be attributed primarily to underperformance by the
domestic equity segment. However, active management within the international equity, fixed income, and real estate segments contributed positively to relative returns. The international equity segment outperformed its benchmark by 230 basis points ( $20.6 \%$ versus $18.3 \%$ ), the fixed income segment outperformed its benchmark by 80 basis points ( $4.5 \%$ versus $3.7 \%$ ), and the real estate segment outperformed its benchmark by 530 basis points ( $22.9 \%$ versus $17.6 \%$ ).

As of September 30, 2006, the Total Fund's assets equaled $\$ 3.62$ billion, an increase of approximately $15 \%$ from the total asset value at the end of FY 2005. Over the long-term, the Total Fund has slightly underperformed the Total Fund Benchmark, with the Total Fund returning an annualized $8.7 \%$ for the 10 -year period ended September 30, 2006, versus $8.9 \%$ for the Total Fund Benchmark. However, it should be noted that the Total Fund exceeded the Board's actuarial assumed rate of return ( $7.25 \%$ ) for the 3-year, 5 -year, and 10- year periods ended September 30, 2006, by approximately 480 basis points, 130 basis points, and 145 basis points, respectively, on an annualized basis. Since its inception in October 1982, the Total Fund has earned an annualized return of $10.5 \%$.

| NET ASSSETS |  | Increase |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 2006 | 2005 | (Decrease) | Percent |
| Investments, net of accrued interest receivable and liabilities | \$2,321,164 | \$ 1,983,774 | \$ 337,390 | 17.01 \% |
| Fixed Assets, NBV | 51 | 86 | (35) | (40.70) \% |
| Contributions receivable | 955 | 937 | 18 | 1.92 \% |
| Due from (to) District | 109 | $(2,555)$ | 2,664 | (104.27) \% |
| Due to Federal Government | $(12,068)$ | $(9,150)$ | $(2,918)$ | 31.89 \% |
| Net Assets | \$2,310,211 | \$ 1,973,092 | \$ 337,119 | 17.09 \% |
| CHANGES IN NET ASSSETS |  |  | Increase |  |
|  | 2006 | 2005 | (Decrease) | Percent |
| Employee contributions | \$25,142 | \$ 23,804 | \$ 1,338 | 5.62 \% |
| Employer contributions | 117,500 | 112,100 | 5,400 | 4.82 \% |
| Net investment income | 212,089 | 235,515 | $(23,426)$ | (9.95) \% |
| Total Additions | 354,731 | 371,419 | $(16,688)$ | (4.49) \% |
| Benefit payments | 15,795 | 13,564 | 2,231 | 16.45 \% |
| Administrative expenses | 1,817 | 3,789 | $(1,972)$ | (52.05) \% |
| Total Deductions | 17,612 | 17,353 | 259 | 1.49 \% |
| Net change in net assets | \$337,119 | \$ 354,066 | \$ $(16,947)$ | (4.79) \% |

Public equity markets continued to perform well during FY 2006, as world stock markets rallied for the fourth straight year. The Russell 3000 Index, a broadbased U.S. equity index, rose $10.2 \%$ during the period. Non-U.S. equity markets outperformed U.S. stocks for the fifth consecutive year, with the MSCI EAFE Index increasing $14.5 \%$ during the 12 -month period ended September 30, 2006. Private equity investments enjoyed strong performance for the second straight year, with the Cambridge Private Equity Index rising 22.5\% for the 1 -year period. Fixed income was again the worst performing asset class during FY 2006, with the Lehman Brothers Aggregate Bond Index returning 3.1\% as the Federal Reserve continued to raise short-term interest rates.

During FY 2006, the Board maintained its strategic asset allocation targets, which had been established in FY 2003 following an asset/liability study conducted by the Board's general investment consultant, Watson Wyatt. This study was updated by Watson Wyatt in FY 2005, and asset class targets remain as follows:

| U.S. Equities | $40 \%$ |
| :--- | ---: |
| Fixed Income | $25 \%$ |
| International Equities | $20 \%$ |
| Private Equity | $10 \%$ |
| Real Estate | $5 \%$ |

As of September 30, 2006, all asset classes were within their respective target allocation ranges, with the exception of private equity. Due to the difficulties involved in deploying large amounts of capital expeditiously in this asset class, it may take several years until the Board reaches full exposure to private equity. Thus, U.S. public equities will he used as a proxy for exposure to private equity until this strategy can be fully implemented.

During FY 2006, the Board took important steps in moving toward its target private equity and real estate allocations. Pantheon, the Board's discretionary private equity advisor and fund-of-fund manager who was initially funded by the Board in November 2004, had made capital commitments of more than $\$ 182$ million in 49 private equity partnerships through September 30, 2006. The Board also approved an investment in a secondary private equity fund managed by Pantheon, which is expected to be funded in FY 2007. Regarding
real estate, the Board funded the JP Morgan Strategic Property Fund (core), and selected and funded CB Richard Ellis Strategic Partners IV (high return), during FY 2006. While the Board may fund an additional real estate manager in FY 2007, the Board's current exposure to real estate is within its target allocation range.

The Board reviewed the investment structure of its non-U.S. equity segment during FY 2006 and decided to change the segment's benchmark to the MSCI ACWI ex-US Index in order to reflect the broader scope of international equity markets, including emerging markets. The Board also reviewed the investment structure of its fixed income segment, electing to change the segment's benchmark to the Lehman US Universal Index, which includes high yield and emerging markets fixed income securities. Within the US equity segment, the Board conducted a search for a mid-cap value manager to replace Ariel Capital, selecting and funding Thompson, Siegel, \& Walmsley. In addition, with the goal of increasing alpha and diversification in the Total Fund, the Board conducted a search for a multi-strategy manager, selecting and funding Bridgewater Associates.

The Board continued to rebalance its managers' portfolios during FY 2006 in accordance with the Board's rebalancing policy. Variances from investment style targets were rebalanced as needed in a manner that maintained the overall integrity of the asset class structure but was not disruptive to the managers.

Going forward in FY 2007, the Board intends to continue the implementation of its strategic asset allocation policy. The Board will continue to review the investment structure of its asset class segments and to carefully monitor the performance of its investment managers. As appropriate, the Board will make adjustments to its investment structure within each asset class and conduct manager searches, when necessary, in order to enhance the performance of the Total Fund.

## ADDITIONAL INFORMATION

These financial statements present the finances of the Fund in accordance with accounting principles generally accepted in the United States of America. Questions about these financial statements or other inquiries should be addressed to the Acting Executive Director, District of Columbia Retirement Board, 900 7th Street, NW, 2nd Floor, Washington, DC 20001.

## Financial Statements

| Statement of Net Assets |  |  |
| :--- | ---: | ---: |
| ASSETS | 2006 | 2005 |
| Equity in pooled investments under Master Trust Agreement, |  |  |
| at fair value (Note 4) | $\$ 2,591,840$ | 5,801 |
| Accrued interest receivable | $9,203,772$ |  |
| Benefit contributions receivable | 955 | 5,848 |
| Fixed assets, net of accumulated depreciation | 51 | 937 |
| Due from District of Columbia Government | 109 | 86 |
|  | $2,598,756$ | - |
| LIABILITIES | $2,210,643$ |  |
| Liabilities under securities lending agreements | 1,976 | 224,265 |
| Accounts payable - investment expenses | 12,068 | 1,581 |
| Due to Federal Government | - | 9,150 |
| Due to District of Columbia Government | 288,545 | 2,555 |
|  | $2,510,211$ | $\$ 1,973,092$ |

The accompanying notes are an integral part of these statements.

| Statement of Changes in Net Assets |  |  |
| :---: | :---: | :---: |
|  | 2006 | 2005 |
| Additions |  |  |
| Contributions: |  |  |
| District government | \$ 117,500 | \$ 112,100 |
| District employees | 25,142 | 23,804 |
| Total contributions | 142,642 | 135,904 |
| Investment income: |  |  |
| Net appreciation in fair value of investments | 148,175 | 182,608 |
| Interest and dividends | 70,452 | 57,819 |
| Gross earnings on security lending transactions | 13,043 | 5,867 |
|  | 231,670 | 246,294 |
| Less: |  |  |
| Investment expenses | 7,143 | 5,472 |
| Borrower rebates and agent fees on security lending transactions | 12,438 | 5,307 |
| Net investment income | 212,089 | 235,515 |
| Total additions | 354,731 | 371,419 |
| Deductions |  |  |
| Benefit payments | 15,795 | 13,564 |
| Administrative expenses | 1,817 | 3,789 |
| Total deductions | 17,612 | 17,353 |
| Net Increase in Net Assets | 337,119 | 354,066 |
| Net Assets Held in Trust for Pension Benefits |  |  |
| Beginning of year | 1,973,092 | 1,619,026 |
| End of year | \$ 2,310,211 | \$ 1,973,092 |

The accompanying notes are an integral part of these statements.

## Notes to Financial Statements

## NOTE 1:

## ORGANIZATION

The District of Columbia Police Officers' and Firefighters' Retirement Fund (the Fund) was established in 1979 by the District of Columbia Retirement Reform Act (the Reform Act, Pub. L. 96-122, D. C. Code $\S 1-701$ et seq.). The Fund provides assets to pay pension benefits to police officers and firefighters of the District of Columbia Government. The Reform Act also established the District of Columbia Retirement Board (the Board) and the District of Columbia Teachers' Retirement Fund (the Teachers' Fund).

The National Capital Revitalization and SelfGovernment Improvement Act of 1997 (the Revitalization Act, Title XI of the Balanced Budget Act of 1997, Pub. L. 105-33) transferred significant assets and liabilities of the Fund and the Teachers' Retirement Fund (collectively, the Funds) to the Federal Government.

Concurrently, the District of Columbia Retirement Protection Act of 1997 (the Retirement Protection Act, Subtitle A of the Revitalization Act) transferred to the Federal Government the liability for retirement benefits for employee service credit earned prior to July 1, 1997, by participants of the District Retirement Funds. The assets transferred to the Federal Government and the assets of the Fund managed by the Board are components of the same single employer defined benefit pension plan.

As required by the Retirement Protection Act, the Council of the District of Columbia (the Council) enacted the Police Officers, Firefighters, and Teachers Retirement Benefit Replacement Plan Act of 1998 (September 18, 1998, D.C. Law 12-152, § 101, 45 DCR 4045; D.C. Code $\$ 1-901.01$ et seq.). This Act (the Replacement Act) established the pension benefits for employee service earned after June 30, 1997, and provides for full funding of the benefits on an actuarially sound basis.

The Board is an independent agency of the District of Columbia Government (the District) that is responsible for managing the assets of the District Retirement Funds. Although the assets of the funds are commingled
for investment purposes, each Fund's assets may only be used for the payment of benefits to the participants of that Fund and certain administrative expenses.

The Fund is included in the District's Comprehensive Annual Financial Report as a pension trust fund.

## NOTE 2:

## FUND ADMINISTRATION AND DESCRIPTION

District of Columbia Retirement Board - The Board consists of 12 trustees, three appointed by the Mayor of the District, three appointed by the Council of the District, and six elected Trustees, including one active and one retired representative, each from the police officers, firefighters, and teachers. In addition, the District's Chief Financial Officer or his designee serves as a nonvoting, ex-officio trustee.

Since its inception, the Board has operated under a committee system which provides a two-tiered process for fiduciary review and analysis. In this manner, the Board, consistent with its fiduciary duties, thoroughly and comprehensively reviews all issues brought before it. The Board has six standing committees, including Benefits, Emerging Enterprise, Fiduciary, Investment, Legislative, and Operations. To implement its policies, the Board retains an Executive Director and other staff to be responsible for the day-to-day management of the Funds.

Other Administration - The District of Columbia Police Officers and Firefighters' Retirement and Relief Board makes findings of fact, conclusions of law, and decisions regarding eligibility for retirement and survivor benefits, determines the extent of disability, and conducts annual medical and income reviews. The Board of Police and Fire Surgeons determines medical eligibility for disability retirement. The DCRB Benefits Department receives retirement orders for retirement benefit calculations for all active plan members found eligible for retirement and carries out the processing and day-to-day administration of retirement benefits. DCRB also
processes employee requests for refunds of contributions. Effective in October 1, 2005, the Board assumed the administrative functions previously performed by the OPRS.

Eligibility - A participant becomes a member when he/she starts work as a police officer or firefighter in the District. Police cadets are not eligible to join the Fund.

Retirement and disability benefit provisions for District of Columbia police officers and firefighters are established by the "Policemen and Firemen's Retirement and Disability Act," codified at D.C. Code $\S 5701$ et seq. (2001 Ed.).

## Members Hired Before February 15, 1980

Members are eligible for optional retirement with full benefits at any age with 20 years of departmental service, or for deferred retirement after age 55 with five years of departmental service. The annual basic retirement benefit equals $2.5 \%$ of average base pay, which is defined as the highest consecutive 12 months of base pay, multiplied by departmental service through 20 years, plus $3 \%$ of average base pay multiplied by average base pay times departmental service over 20 years, plus $2.5 \%$ of average base pay multiplied by years of creditable service, but not more than $80 \%$ of final pay. Members who terminate after five years of police or fire service are entitled to a deferred pension beginning at age 55. Benefits are also provided to certain survivors of active, retired, or terminated vested members. Retired members receive the same percent increase granted to active participants in the pay schedule rate to which the member would be entitled if in active service.

Members with permanent, service-related disabilities who have less than 26 years and eight months of service receive two-thirds (2/3) of average base pay. Members with 26 years and eight months to 28 years of service receive $2.5 \%$ of average base pay multiplied by service. Members with more than 28 years of service receive $70 \%$ of average base pay.

Members with permanent, non-service-related disabilities, who have 5 to 20 years of service receive $40 \%$ of average base pay; 20 to 35 years of service, receive $2 \%$ of average base pay multiplied by service; and more than 35 years of service, receive $70 \%$ of average base pay.

## Members Hired Between February 15, 1980 and November 10, 1996

Members are eligible for optional retirement with full benefits at age 50 with at least 25 years of departmental service, or after 55 with five years of departmental service. The annual basic retirement benefit equals $2.5 \%$ of average base pay, which is defined as the highest consecutive 36 months of base pay, multiplied by credited service through 25 years, plus $3 \%$ of average base pay multiplied by departmental service over 25 years, plus $2.5 \%$ of average base pay multiplied by credited service, but not more than $80 \%$ of final salary. Members separated after five years of departmental service are entitled to a deferred pension beginning at age 55 .

Members with permanent, service-related disabilities receive $70 \%$ of base pay multiplied by a percentage of disability, with a minimum benefit of $40 \%$ of base pay.

Members with permanent, non-service-related disabilities with more than 5 years of service receive $70 \%$ of base pay multiplied by a percentage of disability, with a minimum benefit of $30 \%$ of base pay.

Benefits are also provided to certain survivors of active, retired or terminated vested members. Members retired after February 15, 1980 receive annual benefit increases proportional to changes in the Consumer Price Index.

## Members Hired on or After November 10, 1996

Members are eligible for retirement at any age, with at least 25 years of departmental service or after age 55 with five years of departmental service. The annual basic retirement benefit equals $2.5 \%$ of average base pay, which is defined as the highest consecutive 36 months of base pay, multiplied by credited service, but not more than $80 \%$ of the final pay. Members separated after five years of departmental service are entitled to a deferred pension beginning at age 55 . Benefits are also provided to certain survivors of active, retired, or terminated vested members. Members receive annual benefit increases proportional to changes in the Consumer Price Index, but not more than $3 \%$.

Members with permanent, service-related disabilities receive $70 \%$ of base pay multiplied by a percentage of disability, with a minimum benefit of $40 \%$ of base pay.

Members with permanent, non-service-related disabilities with more than five years of service receive 70\%
of base pay multiplied by a percentage of disability, with a minimum benefit of $30 \%$ of base pay.

## Participant Data

For the years ended September 30, 2006 and 2005, the number of participating employees was as follows:

|  | 2006 | 2005 |
| :--- | ---: | ---: |
| Retirees and beneficiaries |  |  |
| receiving benefits (post 6/30/97) | 1,051 | 903 |
| Active plan members | 5,256 | 5,222 |
| Vested Terminations | 244 | 238 |
|  | 6,551 | 6,363 |

## Contributions

Fund members contribute by salary deductions at rates established by D.C. Code $\$$ 5-706 (2001 Ed.). Members contribute $7 \%$ (or $8 \%$ for Police Officers and Firefighters hired on or after November 10, 1996) of annual salary, including any differential for special assignment and longevity, but excluding overtime, holiday, or military pay.

The District is required to contribute the remaining amounts necessary to finance the coverage of its employees through annual contributions at actuarially determined amounts in accordance with the provisions of the Replacement Act. The District contributions for fiscal years 2006 and 2005 equaled or exceeded the Fund's independent actuary's recommendation.

Contribution requirements of Fund members are established by D.C. Code $\$ 5-706$ and requirements for District of Columbia government contributions to the Fund are established at D.C. Code § 1-907.02 (2001 Ed.), which may be amended by the Council. Administrative costs are financed through investment earnings.

## NOTE 3:

## SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting - The financial statements are prepared using the accrual basis of accounting where the measurement focus is on the flow of economic resources.

Employee contributions are recognized as compensation earned by fund members. Employer contribu-
tions to the Fund are recognized when due and the employer has made a formal commitment to provide the contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of the Fund.

Method Used to Value Investments - Investments are reported at fair value, and reflect transaction costs, such as brokerage commissions and other costs normally incurred in a sale, if such costs are determinable. Shortterm investments are reported at cost, which approximates fair value. Securities traded on a national or international exchange are valued at the last reported sales price at the current exchange rate. Collateralized mortgage obligations are stated at fair value.

The fair value of real estate investments is based on independent appraisals, when available, and the fair value of limited partnership interests in real estate investments is based on reported estimated fair values. Investments that do not have established market values are reported at estimated fair value.

Actuarial Data - The Fund uses the Aggregate Actuarial Cost method to determine the annual employer contribution. The excess of the actuarial present value of projected benefits of the group included in an actuarial valuation over the sum of the actuarial value of assets and the actuarial present value of employee contributions is allocated on a level basis over the earnings or service of the group between the valuation date and assumed exit date.

This allocation is performed for the group as a whole, not as a sum of individual allocations. That portion of the actuarial present value allocated to a valuation year is called the normal cost. The actuarial accrued liability is equal to the actuarial value of assets.

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

Investment Expenses - The District of Columbia Appropriation Act authorized Fund earnings to be used for investment expenses incurred in managing the assets and administering the Fund. The total investment expenses borne by the Fund was and \$7,143,000 in 2006 and $\$ 5,472,000$ in 2005 , respectively.

NOTE 4:

## INVESTMENTS

The Board is authorized to manage and control the investment of the District Retirement Funds' assets. The Board broadly diversifies the investments of the Funds so as to minimize the risk of large losses, unless under the circumstances it is clearly prudent not to do so, as required by D.C. Code $\$ 1$-741(a)(2)(C), (2001 Ed.).

Master Trust - The Board has pooled all of the assets under its management (the Investment Pool), as is authorized by D.C. Code $\S 1-903(\mathrm{~b})$, ( 2001 Ed .), with a master custodian under a master trust arrangement (the Master Trust). Using an investment pool, each Fund has equity in the pool. District and employee contributions are deposited to the respective Fund for which the contribution was made, and benefit payments and employee contribution refunds are withdrawn from the Fund in which the recipient participates. Investment performance and administrative expenditures are allocated between the two Funds based upon their proportionate equity in the pool.

The fair values of investments of the Investment Pool as of September 30, 2006 and 2005 are as follows:

|  | 2006 | 2005 |
| :---: | :---: | :---: |
| Investments held by Board's agent in Board's name: |  |  |
| Cash and cash equivalents | \$ 147,585 | \$ 329,173 |
| Equities (of which \$304,375 and \$211,403 in 2006 and 2005, respectively, is on securities loan with securities and other collateral) | 2,675,639 | 2,126,761 |
| Fixed income securities (of which \$102,106 and $\$ 133,144$ in 2006 and 2005, respectively, is on securities loan with securities and other collateral) | 505,903 | 652,876 |
| Payable on investment transactions | $(118,558)$ | $(311,725)$ |
| Subtotal | 3,210,569 | 2,797,085 |
| Investments held by broker-dealer under securities loans with cash collateral: |  |  |
| Equities | 304,375 | 211,403 |
| Fixed income security | 102,106 | 133,144 |
| Securities lending collective investment pool | 428,228 | 354,912 |
| Subtotal | 834,709 | 699,459 |
| Total | \$ 4,045,278 | \$ 3,496,544 |

At September 30, 2006, the Fund's share of the Investment Pool was $\$ 2,597,641$ including cash collateral of $\$ 274,500$ and accrued interest receivable. At September 30, 2005, the Fund's share of the Investment Pool was $\$ 2,214,620$, including cash collateral of $\$ 224,265$ and accrued interest receivable.

## Debt Instruments

As of September 30, 2006, the Investment Pool held the following debt instruments:

|  | Fair Value | \% of Segment | Duration | Rating |
| :--- | ---: | ---: | ---: | ---: |
| Investment Type | $\$ 125,636 \$$ | $15.45 \%$ | 6.74 | AAA |
| U.S. Treasuries | 78,544 | $9.66 \%$ | 5.03 | AAA |
| U.S. Agencies | 110,805 | $13.63 \%$ | 6.33 | A- |
| Corporate Securities | 341,624 | $42.01 \%$ | 3.91 | AAA |
| Mortgage-Backed Securities | 6,320 | $0.78 \%$ | 1.86 | BBB- |
| Asset-Backed Securities | 49,093 | $6.04 \%$ | 3.41 | B+ |
| High Yield Securities | 16,521 | $2.03 \%$ | 5.49 | BB+ |
| Emerging Markets | 28,441 | $3.50 \%$ | 5.81 | AA+ |
| Non-U.S. Securities | 970 | $0.12 \%$ | 3.81 | B- |
| Convertibles | 55,225 | $6.79 \%$ | 2.30 | AA+ |
| Cash Equivalents | $\$ 813,179 \$$ | $100.00 \%$ |  |  |
| Total |  |  |  |  |

As of September 30, 2005, the Investment Pool held the following debt instruments:

| Investment Type | Fair Value | \% of Segment | Duration | Rating |
| :--- | ---: | ---: | ---: | ---: |
| U.S. Treasuries | $\$ 142,294 \$$ | $18.28 \%$ | 5.83 | AAA |
| U.S. Agencies | 65,592 | $8.43 \%$ | 5.00 | AAA |
| Corporate Securities | 117,018 | $15.04 \%$ | 5.88 | BBB+ |
| Mortgage-Backed Securities | 345,592 | $44.41 \%$ | 3.64 | AAA |
| Asset-Backed Securities | 7,216 | $0.93 \%$ | 2.36 | A- |
| High Yield Securities | 35,324 | $4.54 \%$ | 3.77 | BB- |
| Emerging Markets | 29,310 | $3.77 \%$ | 4.92 | BB |
| Non-U.S. Securities | 28,107 | $3.61 \%$ | 5.47 | AA+ |
| Convertibles | 1,423 | $0.18 \%$ | 2.56 | BB |
| Cash Equivalents | 6,341 | $0.81 \%$ | 5.98 | AA+ |
| Total | $\$ 778,217 \$$ | $100.00 \%$ |  |  |

Interest Rate Risk - As a general rule, the Board's fixed income managers must construct and actively manage a portfolio of fixed income and related securities that maintains a weighted average duration within $+/-2$ years of the duration of the fixed income benchmark.

Credit Quality Risk - Unless specifically authorized in writing by the Board, fixed income managers are permitted to invest in eligible long-term instruments rated investment grade (top four ratings) by a nationally recognized rating organization.

Foreign Currency Risk - As a general policy, the investment managers, with authority to invest in a portfolio consisting primarily of non-U.S. securities, may
structure optimal currency positions which minimize tracking error and enhance risk-adjusted returns relative to the benchmark.

International investments historically have provided plan sponsors with significant risk-reducing diversification benefits because of low correlation of returns among international assets. Holding international assets does, however, expose international portfolios to currency or exchange rate risk. To reduce exposure to currency risk, investment managers may systematically hedge foreign currency positions back to U.S. dollars through the forward currency markets. Since the forward exchange rate is seldom equal to the spot exchange rate, forward hedging gains and losses arise.

As of September 30, 2006, the Investment Pool held investments that are denominated in a currency other than the United States Dollar, as summarized below:

| Currency | Asset Class |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cash | Equities | Fixed Income | Swaps |  |
| Australian Dollar | \$ 65 | \$ 17,576 | \$ - | \$ - | \$17,641 |
| Canadian Dollar | - | 18,637 | - | - | 18,637 |
| Swiss Franc | 23 | 59,904 | - | - | 59,927 |
| Danish Krone | - | 3,215 | - | - | 3,215 |
| Euro | 13,816 | 260,977 | 1,281 | (114) | 275,960 |
| Pound Sterling | 379 | 104,193 | 933 | (106) | 105,399 |
| Hong Kong Dollar | 99 | 32,014 | - | - | 32,113 |
| Japanese Yen | 10 | 187,966 | - | - | 187,976 |
| South Korean Won | - | 1,921 | - | - | 1,921 |
| Norwegian Krone | 35 | 2,547 | - | - | 2,582 |
| New Zealand Dollar | 1 | - | - | - | 1 |
| Swedish Krona | 60 | 12,034 | - | - | 12,094 |
| Singapore Dollar | (68) | 4,370 | - | - | 4,302 |
| South African Rand | - | 2,828 | - | - | 2,828 |
| Thai Bhaf | 25 | 1,473 | - | - | 1,498 |
| Total Foreign | \$ 14,445 | \$ 709,655 | \$2,214 | \$ (220) | \$ 726,094 |

As of September 30, 2005, the Investment Pool held investments that are denominated in a currency other than the United States Dollar, as summarized below:

| Currency | Asset Class |  |  | Total |
| :---: | :---: | :---: | :---: | :---: |
|  | Cash | Equities | Fixed Income |  |
| Australian Dollar | \$ 80 | 14,016\$ | \$ - | \$ 14,096\$ |
| Canadian Dollar | 6 | 11,838 | - | 11,844 |
| Swiss Franc | 3 | 54,050 | 173 | 54,226 |
| Danish Krone | - | 3,679 | - | 3,679 |
| Euro | 4,888 | 219,274 | 11,618 | 235,780 |
| Pound Sterling | 238 | 89,008 | 483 | 89,729 |
| Hong Kong Dollar | 118 | 29,681 | - | 29,799 |
| Japanese Yen | 325 | 151,809 | - | 152,134 |
| South Korean Won | - | 1,061 | - | 1,061 |
| Norwegian Krone | 4 | 2,066 | - | 2,070 |
| New Zealand Dollar | 17 | 842 |  | 859 |
| Swedish Krona | 3 | 13,155 | - | 13,158 |
| South African Rand | - | 2,875 |  | 2,875 |
| Singapore Dollar | 45 | 7,605 | - | 7,650 |
| Thai Bhat | 29 | 2,875 | - | 2,904 |
| Total Foreign | \$ 5,756 | \$ 603,834 | \$ 12,274 | \$ 621,864 |

Securities Lending Transactions - District statutes and the Board's policies permit the Retirement Funds to participate in securities lending transactions via a Securities Lending Authorization Agreement, which authorizes the master custodian to lend the Board's securities to qualified broker-dealers and banks pursuant to a form of loan agreement.

During 2006 and 2005, the master custodian, at the direction of the Board, lent the Retirement Funds' equity and fixed income securities and received collateral in the form of cash (United States and foreign currency), securities issued or guaranteed by the United States government, the sovereign debt of Organization of Economic Cooperation and Development countries and irrevocable letters of credit issued by a bank insured
by the FDIC. The collateral could not be pledged or sold unless the borrower defaulted on the loan. Borrowers delivered collateral for each loan equal to (i) at least $102 \%$ of the market value of the loaned securities if these securities were sovereign debt issued by a foreign government denominated in U.S. dollars or their primary trading market was located in the United States; or (ii) $105 \%$ of the market value of the loaned securities in the case of loaned securities not denominated in United States dollars or whose primary trading market was not located in the United States.

The Board and the borrowers maintained the right to terminate all securities lending transactions on demand. The cash collateral received on each loan was invested, together with the cash collateral of other qual-
ified tax-exempt plan lenders, in a collective investment pool (the Quality Fund). The Quality Fund does not meet the requirements of Securities and Exchange Commission Rule 2a-7 of the Investment Company Act of 1940, and accordingly, the master custodian has valued the Fund's investments at fair value for reporting purposes.

The Quality Fund is not registered with the Securities and Exchange Commission. The master custodian, and consequently the investment vehicles it sponsors (including the Quality Fund), are subject to the oversight of the Federal Reserve Board and the Massachusetts Commissioner of Banks. The fair value of the Funds' position in the Quality Fund is not the same as the value of the Retirement Funds' shares.

There was no involuntary participation in an external investment pool by the Quality Fund and there was no income from one fund that was assigned to another fund by the master custodian during 2006 or 2005.

During 2006 and 2005, the Board did not restrict the amount of the loans that the master custodian made on its behalf. There were no failures by any borrowers to return loaned securities or pay distributions thereon and there were no losses resulting from a default of the borrowers or the master custodian during 2006 and 2005.

The Quality Fund invests qualified cash collateral from loans of U.S. and non-U.S. equities, U.S. corporate fixed income securities, U.S. Government securities and sovereign debt. Its average effective duration is restricted to 120 days or less. The average duration of the investment pool as of both September 30, 2006 and 2005 was 446 days and 404 days, respectively. The maximum remaining effective maturity of any instrument is two years. The average weighted maturity of the investment pool as of both September 30, 2006 and 2005 was 52 and 45 days, respectively. Because the loans were terminable at will, their duration did not generally match the duration of the investments made with cash collateral. Investments are restricted to issuers with a shortterm credit rating not lower than A1/P1, or long-term ratings not lower than $\mathrm{A}-/ \mathrm{A} 3$, or the equivalent thereof. The Quality Fund may invest in other investment vehicles managed by the master custodian provided they conform to fund guidelines. On September 30, 2006 and 2005, the Board had no credit risk exposure to bor-
rowers. The collateral held and the market value of securities on loan for the Board were $\$ 426,228$ and $\$ 413,922$, respectively, as of September 30, 2006, and $\$ 354,912$ and $\$ 344,547$, respectively as of September 30, 2005. During 2006 and 2005, the Master Trust's gross earnings from securities lending transactions totaled $\$ 21,017$ and $\$ 9,944$ respectively. The income (net of amortization and accretion), the net realized/unrealized gain attributable to discount and premium, and the net increase in net assets resulting from operations totaled $\$ 22,099, \$ 962$, and $\$ 3,062$ respectively, in 2006, and $\$ 10,207, \$ 678$, and $\$ 10,951$, respectively, in 2005 . The Fund's share of the net income on securities lending transactions totaled $\$ 605$ and $\$ 560$ in 2006 and 2005, respectively.

Derivative Investments - Derivatives are generally defined as contracts whose value depends on, or derives from, the value of an underlying asset, reference rate, or index. Structured financial instruments are also defined as derivatives, such as mortgage-backed securities, assetbacked securities, and floating rate notes. Derivative investments generally contain exposure to credit risk, market risk, and/or legal risk. Credit risk is the exposure to the default of another party to the transaction (counterparty), or to the creditworthiness of derivative securities, such as mortgage-backed, asset-backed, floating rate, and stripped securities. Market risk is the exposure to changes in the market, such as a change in interest rates, currency exchange rates, or a change in the price or principal value of a security. The Board believes that all contracts entered into are legally permissible in accordance with the policy of the Board.

During 2006 and 2005, the Retirement Funds, in accordance with the policy of the Board, invested in various derivative instruments either to increase potential earnings or to hedge against potential losses. These derivatives included asset-backed securities (ABS), collateralized mortgage-backed securities (CMOs), mort-gage-backed pools and securities, floating rate notes, structured notes, stripped/zero coupon bonds, inflation index bonds, forward mortgage-backed security contracts (TBAs), foreign currency forward and futures contracts, equity index futures, bond futures, bond options, currency options, and warrants.

The Retirement Funds used ABS, CMOs, mortgage-
backed pools and securities, floating rate notes, structured notes, stripped/zero coupon bonds, and TBAs primarily to increase potential returns. ABS and mortgagebacked pools and securities offer higher potential yields than comparable duration U.S. Treasury Notes with higher credit and market risks. CMOs also offer higher potential yields than comparable duration U.S. Treasury Notes, with higher market risks, although the market risks may be higher or lower than comparable mortgagebacked pools. Market risk for asset-backed and mort-gage-backed pools and securities is managed by monitoring the duration of the investments. Credit risk is managed by monitoring credit ratings, the underlying collateral for each security and any related guarantee.

Floating rate notes (securities which pay an interest rate tied to an index) are subject to market risk to the extent of the movement of the underlying index in relation to market rates. A downward movement in the underlying index would negatively impact the interest income received on the security. Upward movements in interest rates do not adversely affect floating rate notes as they do fixed rate notes, allowing floating rate notes to function as a hedge against upward changes in interest rates.

The Retirement Funds invest in structured notes with step-up coupons that offer higher yields than comparable U.S. Treasury Notes in exchange for higher market and/or credit risks. Securities with step-up coupons pay interest according to a pre-set series of interest rates which start at one rate and then step-up to higher rates on specific dates. The Retirement Funds also contain stripped/zero coupon bonds, which are purchased at a discount and do not pay any interest.

TBAs are used by the Retirement Funds as an alternative to holding mortgage-backed securities outright to raise the potential yield and to reduce transaction costs. The TBAs used are assumed to be similar in duration and convexity to mortgage-backed securities with identical credit, coupon and maturity features. Credit risk is managed by limiting these transactions to primary dealers. Market risk for this type of security is not significantly different from the market risk for mort-gage-backed securities.

Foreign currency forward and futures contracts and foreign currency options are used by the Retirement Funds for defensive purposes. These contracts hedge a portion of the Retirement Funds' exposure to particular
currencies on occasion when significant adverse shortterm movement in exchange rate levels are expected. Foreign currency forward and futures contracts can pose market risk when the maximum potential loss on a particular contract is greater than the value of the underlying investment. Market risks arise due to movements in the foreign exchange rates underlying the contracts used by the Retirement Funds. Credit risk is managed by limiting transactions to counterparties with short-term credit ratings of Al or Pl or by trading on organized exchanges. Market risk for currency options is limited to the purchase cost. Credit risk is managed by limiting transactions to counterparties with investment grade ratings or by trading on organized exchanges.

Equity index futures were used in at least one of the commingled funds used by the Retirement Funds in order to gain exposure to U.S. equity markets in a more efficient and liquid manner than directly investing in all of the underlying equity securities. Equity index futures can pose market risk when the maximum potential loss on a particular contract is greater than the value of the underlying investment. Market risks arise due to movements in the equities markets underlying the contracts used by the Retirement Funds. Credit risk is managed by dealing with the futures exchanges.

Exchange-traded and over-the-counter bond futures and options are used by the Retirement Funds to gain exposure to fixed income markets in a more efficient and liquid manner than by purchasing the underlying bonds. Market risk for these options is limited to purchase cost. Credit risk is managed by limiting transactions to counterparties with investment grade ratings or by trading on organized exchanges.

Warrants are used by the Retirement Funds to gain equity exposure and to enhance performance. Warrants are often distributed by issuers to holdings of common stock and bonds, and are held for the same fundamental reasons as the original common stock and/or bond holdings. Market risk is limited to the purchase cost. Credit risk is similar to the underlying equity and/or bond holdings.

The Retirement Funds also holds derivative instruments indirectly by participating in pooled, commingled, or short-term funds that hold derivatives. Information regarding any risks associated with these holdings is not generally available.

The proportion of derivative investment in the

Retirement Funds varies throughout the year. Further information regarding balances throughout the year is not available.

The Retirement Funds' aggregate portfolio included the following derivative investments, at fair value, at September 30, 2006 and 2005:

|  | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 5}$ |
| :--- | ---: | ---: |
| Mortgage-backed security pools and securities | $\$ 177,289 \$$ | $\mathbf{2 0 9}$ |
| Collateralized mortgage obligations | 69,973 | 45,742 |
| Asset-backed securities | 1,332 | 1,635 |
| Mortgage-backed securities forward contracts | 82,351 | 60,356 |
| Structured and inflation indexed bonds | $(3,150)$ | 17,284 |
| Foreign currency futures/forward contracts, net | 660 | 5,464 |
| Interest rate swaps | $(8)$ | $(1,076)$ |
| Options | $\$ 416,584$ | 43 |
| Total | $\$ 467,649$ |  |

## Supplementary Information

| Employer Contributions | Annual <br> Required <br> Contribution | Percentage <br> Contributed |
| :---: | :---: | :---: |
| 2006 | $\$ 117,500$ | $100 \%$ |
| 2005 | $\$ 112,100$ | $100 \%$ |
| 2004 | $\$ 96,700$ | $100 \%$ |
| 2003 | $\$ 68,900$ | $100 \%$ |
| 2002 | $\$ 62,800$ | $119 \%$ |
| 2001 | $\$ 49,000$ | $100 \%$ |

## Actuarial Methods and Assumptions

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

|  | September 30, 2006 |
| :--- | :---: |
| Valuation date | October 1, 2004 |
| Actuarial cost method | Aggregate |
| Amortization method | Not applicable |
| Remaining amortization period | Not applicable |
| Asset valuation method | Market value |
| Actuarial assumptions: |  |
| Investment rate of return | $7.25 \%$ |
| Projected salary increases | $5 \%$ |
| Includes inflation at | $5 \%$ |
| Cost-of-living adjustments (COLAs) | $5 \%$ |

${ }^{1}$ Post-1996 hires have COLAs capped at $3.00 \%$
The aggregate actuarial cost method does not identify or separately amortize unfunded actuarial liabilities.

Revenue by Source and Expense by Type

| REVENUE BY SOURCE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fiscal <br> Year | Employee Contributions | Employer Contributions | Interest and Dividends | Net <br> Appreciations (Depreciation) in Fair Value of Investments | Investment, Interest and Administrative Expenses | Total |
| 2006 | \$ 25,142 | \$ 117,500 | \$ 83,495 | \$ 148,175 | \$ (21,398) \$ | 352,914 |
| 2005 | 23,804 | 112,100 | 65,368 | 182,608 | $(16,250)$ | 367,630 |
| 2004 | 20,847 | 96,700 | 41,696 | 129,427 | $(7,286)$ | 281,384 |
| 2003 | 19,867 | 68,900 | 33,247 | 151,584 | $(5,542)$ | 268,056 |
| 2002 | 19,390 | 74,600 | 35,226 | $(129,669)$ | $(6,566)$ | $(7,019)$ |
| 2001 | 16,832 | 49,000 | 44,214 | $(182,944)$ | $(9,454)$ | $(82,352)$ |
| 2000 | 16,285 | 39,900 | 39,243 | 110,614 | $(8,937)$ | 197,105 |
| 1999 | 15,736 | 35,100 | 29,765 | 84,694 | $(6,819)$ | 158,476 |
| 1998 | 14,953 | 47,700 | 29,756 | $(13,806)$ | $(5,399)$ | 73,204 |
| 1997 | 13,796 | 226,700 | 96,368 | 510,240 | $(20,618)$ | 826,486 |

## EXPENSES BY TYPE

| Fiscal Year | Benefits | Refunds | Total |
| :---: | ---: | ---: | ---: |
| 2006 | $\$ 13,000$ | $\$ 2,795$ | $\$ 15,795 \$$ |
| 2005 | 9,580 | 3,984 | 13,564 |
| 2004 | 7,903 | - | 7,903 |
| 2003 | 6,091 | - | 6,091 |
| 2002 | 3,222 | - | 3,222 |
| 2001 | 2,838 | - | 2,838 |
| 2000 | 2,200 | - | 2,200 |
| 1999 | 1,600 | - | 1,600 |
| 1998 | 400 | 75 | 475 |
| 1997 | 240,836 | 162 | 240,998 |
| 1996 | 213,945 | 101 | 214,046 |

Note: Contributions were made in accordance with actuarially determined contribution requirements.
The Revitalization Act of 1997 made significant changes to the administration of the Fund. Therefore, comparisons of pre-Revitalization Act information to post-Revitalization Act information may not be meaningful.

## Investment Information

At September 30, 2004, the Fund's investments were maintained under a master trust agreement along with assets of the District of Columbia Teachers' Retirement Fund. A schedule of investments held under the master
trust agreement at September 30, 2004, is available for inspection at the offices of the District of Columbia Retirement Board, 900 7th Street, NW, 2nd Floor, Washington, DC 20001.

## Independent Auditor's Report

## THOMPSON, COBB, BAZILIO \& ASSOCIATES, PC

Certified Public Accountants and Management, Systems, and Financial Consultants

|  |  |  |
| :--- | :--- | :--- |
| - Main Office: | $\square$ Regional Office: | Q Regional Office: |
| 1101 15th Street, N.W. | 100 Pearl Street | 21250 Hawthorne Boulevard |
| Suite 400 | 14 th Floor | Suite 500 |
| Washington, DC 20005 | Hartford, CT 06103 | Torrance, CA 90503 |
| (202) $737-3300$ | $(860) 249-7246$ | $(310) 792-7001$ |
| $(202) 737-2684$ Fax | $(860) 275-6504$ Fax | $(310) 792-7004$ Fax |

## Board of Trustees

District of Columbia Teachers' Retirement Fund

We have audited the accompanying statements of net assets of the District of Columbia Teachers' Retirement Fund (the Fund), a Pension Trust Fund of the Government of the District of Columbia, as of September 30, 2006 and 2005, and the related statements of changes in net assets for the years then ended. These financial statements are the responsibility of the Fund's management. Our responsibility is to express an opinion on these financial statements based on our audits.

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

As discussed in note 1, these financial statements only present the Fund and do not purport to, and do not, presen the financial position of the Government of the District of Columbia as of September 30, 2006 and 2005, and the changes in its financial position for the years then ended in conformity with accounting principles generally accepted in the United States of America.

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets of the District of Columbia Teachers' Retirement Fund as of September 30, 2006 and 2005, and the changes in its net assets for the years then ended in conformity with accounting principles generally accepted in the United States of America.

The information on schedules 1 and 2 and the management's discussion and analysis are not a required part of the financial statements, but are supplementary information required by the Governmental Accounting Standards Board. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the supplementary information. However, we did not audit this information and express no opinion on it.

Our audit was conducted for the purpose of forming an opinion on the financial statements taken as a whole. The information on schedules 3 through 5 is presented for the purposes of additional analysis and is not a required part of the financial statements. Such information has not been subjected to the auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion thereon.

Thomson, Cobb, Bazilio \& Associates, PC

Washington, D.C.
December 30, 2006

# Management's Discussion and Analysis 

This discussion and analysis provides an overview of the financial activities of the District of Columbia Teachers' Retirement Fund (the Fund ) as of and for the fiscal year ended September 30, 2006. This discussion and analysis should be read in conjunction with the statements, notes, and supplementary information.

The District of Columbia Retirement Board (the "Board") is an independent agency of the District of Columbia government. The Board is responsible for managing the assets of the Fund and of the District of Columbia Police Officers' and Fire Fighters' Retirement Fund. As authorized by DC Code, the Board commingles the assets of the two Retirement Funds for investment purposes. The Board proportionately allocates the investment activity and the administrative expenses of the Board between the two Retirement Funds

Effective October 1, 2005, the Board became responsible for administering the pension benefits, and the related administrative expenses are borne by the Board

Effective October 1, 2005, the Board is under contract to the United States Department of the Treasury (the U.S. Treasury ) to administer teacher pension benefits that are the financial responsibility of the Federal government. The U.S. Treasury will reimburse the Board for relevant administrative expenses.

The Board incurred certain expenses during fiscal year 2006 in preparation for administering District and Federal pension benefits. The U.S. Treasury agreed to reimburse the Board for certain transition expenses.

## FINANCIAL HIGHLIGHTS

The financial highlights are:

- Net Assets Held in Trust for Pension Benefits as of September 30, 2006 were $\$ 1,279,139$.
- Net Assets Held in Trust for Pension Benefits increased during fiscal year 2006 by $\$ 136,618$.
- The Net Investment Income for fiscal year 2006 was \$120,114.
- The District of Columbia government contributed $\$ 15,500$ to the Fund for fiscal year 2006, which satisfied its statutory obligation.
- The Fund's share of administrative expenditures for fiscal year 2006 was $\$ 1,010$.


## OVERVIEW OF THE FINANCIAL STATEMENTS AND SCHEDULES

This discussion and analysis is an introduction to the basic financial statements and schedules. The basic financial statements include two statements, notes, and supplementary information.

Statements of Net Assets - present the assets, liabilities, and net assets held in trust for pension benefits as
of the end of the current and prior fiscal year.
Statements of Changes in Net Assets — present the additions to and deductions from the net assets during the current and prior fiscal years. The statements present the major sources of additions and uses of deductions. Over time, the net increase or decrease in net assets may serve as a useful indicator of whether the financial position of the Fund as a whole is improving or deteriorating.

Notes to Financial Statements - present various disclosures to augment the two statements. The notes present information about the creation and administration of the Fund, significant accounting policies, and investments.

Supplementary Information - presents additional information about employer contributions, actuarial assumptions, additions and deductions for the last 10 fiscal years, and investments.

## FINANCIAL ANALYSIS

The Fund had Net Assets Held in Trust for Pension Benefits as of September 30, 2006, of $\$ 1,279,139$, which is an increase of $\$ 136,618$ from the end of the prior fiscal year.

## Net Assets

A summary of the Net Assets Held in Trust for Pension Benefits is below.

## Changes in Net Assets

The net assets increased during fiscal year 2006 by $\$ 136,618$. A summary of the change is below.

The District of Columbia government made the required employer contribution in fiscal year 2006 based on the funding formula contained in DC Code.

The Fund pays for pension benefits earned since June 30, 1997. As a result, the pension benefit expense will be increasing. The Fund also pays for increases in pension benefits that result from changes after June 30, 1997 in the provisions of the plan.

The Total Fund returned 10.4\% during FY 2006. While it underperformed the Asset Allocation Benchmark by 60 basis points ( $10.4 \%$ versus $11.0 \%$ ), the Total Fund outperformed the Board's actuarial assumed rate of return of $7.25 \%$ by approximately 315 basis points. The Total Fund's underperformance relative to the Asset Allocation Benchmark for FY 2006 can
be attributed primarily to underperformance by the domestic equity segment. However, active management within the international equity, fixed income, and real estate segments contributed positively to relative returns. The international equity segment outperformed its benchmark by 230 basis points ( $20.6 \%$ versus $18.3 \%$ ), the fixed income segment outperformed its benchmark by 80 basis points ( $4.5 \%$ versus $3.7 \%$ ), and the real estate segment outperformed its benchmark by 530 basis points ( $22.9 \%$ versus $17.6 \%$ ).

As of September 30, 2006, the Total Fund's assets equaled $\$ 3.62$ billion, an increase of approximately $15 \%$ from the total asset value at the end of FY 2005. Over the long-term, the Total Fund has slightly underperformed the Total Fund Benchmark, with the Total Fund returning an annualized $8.7 \%$ for the 10 -year period ended September 30, 2006, versus $8.9 \%$ for the Total Fund Benchmark. However, it should be noted that the Total Fund exceeded the Board's actuarial assumed rate of return (7.25\%) for the 3-year, 5 -year, and 10- year periods ended September 30, 2006, by approximately 480 basis points, 130 basis points, and 145 basis points, respectively, on an annualized basis. Since its inception

| NET ASSSETS | 2006 | 2005 | Increase <br> (Decrease) | Percent |
| :---: | :---: | :---: | :---: | :---: |
| Investments, net of accrued interest receivable and liabilities | \$1,292,796 | \$ 1,155,356 | \$ 137,440 | 11.90 \% |
| Fixed Assets, NBV | 30 | 50 | (20) | (40.00) \% |
| Contributions receivable | 1,630 | 945 | 685 | 72.49 \% |
| Due from (to) District | 61 | $(1,488)$ | 1,549 | (104.10) \% |
| Due to Charter School | - | (28) | 28 | (100.00) \% |
| Due to Federal Government | $(15,378)$ | $(12,314)$ | $(3,064)$ | 24.88 \% |
| Net Assets | \$1,279,139 | \$ 1,142,521 | \$ 136,618 | 11.96 \% |
| CHANGES IN NET ASSSETS | 2006 | 2005 | Increase (Decrease) | Percent |
| Employer contributions | \$ 15,500 | \$ 9,200 | \$ 6,300 | 68.48 \% |
| Employee contributions | 25,807 | 24,778 | 1,029 | 4.15 \% |
| Net investment income | 120,114 | 137,333 | $(17,219)$ | (12.54) \% |
| Total Additions | 161,421 | 171,311 | $(9,890)$ | (5.77)\% |
| Benefit payments | 23,793 | 20,879 | 2,924 | 14.01\% |
| Administrative expenses | 1,010 | 2,210 | $(1,200)$ | (54.30) \% |
| Total Deductions | 24,803 | 23,079 | 1,724 | 7.47 \% |
| Net change in net assets | \$ 136,618 | \$ 148,232 | \$ $(11,614)$ | (7.84) \% |

in October 1982, the Total Fund has earned an annualized return of $10.5 \%$.

Public equity markets continued to perform well during FY 2006, as world stock markets rallied for the fourth straight year. The Russell 3000 Index, a broad-based U.S. equity index, rose $10.2 \%$ during the period. Non-U.S. equity markets outperformed U.S. stocks for the fifth consecutive year, with the MSCI EAFE Index increasing $14.5 \%$ during the 12 -month period ended September 30, 2006. Private equity investments enjoyed strong performance for the second straight year, with the Cambridge Private Equity Index rising 22.5\% for the 1year period. Fixed income was again the worst performing asset class during FY 2006, with the Lehman Brothers Aggregate Bond Index returning 3.1\% as the Federal Reserve continued to raise short-term interest rates.

During FY 2006, the Board maintained its strategic asset allocation targets, which had been established in FY 2003 following an asset/liability study conducted by the Board's general investment consultant, Watson Wyatt. This study was updated by Watson Wyatt in FY 2005, and asset class targets remain as follows:

| U.S. Equities | $40 \%$ |
| :--- | ---: |
| Fixed Income | $25 \%$ |
| International Equities | $20 \%$ |
| Private Equity | $10 \%$ |
| Real Estate | $5 \%$ |

As of September 30, 2006, all asset classes were within their respective target allocation ranges, with the exception of private equity. Due to the difficulties involved in deploying large amounts of capital expeditiously in this asset class, it may take several years until the Board reaches full exposure to private equity. Thus, U.S. public equities will he used as a proxy for exposure to private equity until this strategy can be fully implemented.

During FY 2006, the Board took important steps in moving toward its target private equity and real estate allocations. Pantheon, the Board's discretionary private equity advisor and fund-of-fund manager who was initially funded by the Board in November 2004, had made capital commitments of more than $\$ 182$ million in 49 private equity partnerships through September 30, 2006. The Board also approved an investment in a secondary private equity fund managed by Pantheon, which is expected to be funded in FY 2007. Regarding
real estate, the Board funded the JP Morgan Strategic Property Fund (core), and selected and funded CB Richard Ellis Strategic Partners IV (high return), during FY 2006. While the Board may fund an additional real estate manager in FY 2007, the Board's current exposure to real estate is within its target allocation range.

The Board reviewed the investment structure of its non-U.S. equity segment during FY 2006 and decided to change the segment's benchmark to the MSCI ACWI ex-US Index in order to reflect the broader scope of international equity markets, including emerging markets. The Board also reviewed the investment structure of its fixed income segment, electing to change the segment's benchmark to the Lehman US Universal Index, which includes high yield and emerging markets fixed income securities. Within the US equity segment, the Board conducted a search for a mid-cap value manager to replace Ariel Capital, selecting and funding Thompson, Siegel, \& Walmsley. In addition, with the goal of increasing alpha and diversification in the Total Fund, the Board conducted a search for a multi-strategy manager, selecting and funding Bridgewater Associates.

The Board continued to rebalance its managers' portfolios during FY 2006 in accordance with the Board's rebalancing policy. Variances from investment style targets were rebalanced as needed in a manner that maintained the overall integrity of the asset class structure but was not disruptive to the managers.
Going forward in FY 2007, the Board intends to continue the implementation of its strategic asset allocation policy. The Board will continue to review the investment structure of its asset class segments and to carefully monitor the performance of its investment managers. As appropriate, the Board will make adjustments to its investment structure within each asset class and conduct manager searches, when necessary, in order to enhance the performance of the Total Fund.

## ADDITIONAL INFORMATION

These financial statements present the finances of the Fund in accordance with accounting principles generally accepted in the United States of America. Questions about these financial statements or other inquiries should be addressed to the Executive Director, District of Columbia Retirement Board, 900 7th Street, N.W., 2nd Floor, Washington, D.C. 20001.

## Financial Statements

| Statement of Net Assets |  |  |
| :---: | :---: | :---: |
|  | 2006 | 2005 |
| ASSETS |  |  |
| Equity in pooled investments under Master Trust Agreement, at fair value (Note 4) | \$ 1,444,374 | \$ 1,283,515 |
| Accrued interest receivable | 3,254 | 3,409 |
| Benefit contributions receivable | 1,630 | 945 |
| Fixed assets, net of accumulated depreciation | 30 | 50 |
| Due form District of Columbia Government | 61 | - |
| Total assets | 1,449,349 | 1,287,919 |
| LIABILITIES |  |  |
| Liabilities under securities lending transactions | 153,727 | 130,647 |
| Accounts Payable - investment expense | 1,105 | 921 |
| Due to Federal Government | 15,378 | 12,314 |
| Due to District of Columbia Government | - | 1,488 |
| Due to Charter Schools | - | 28 |
| Total liabilities | 170,210 | 145,398 |
| Net Assets Held in Trust for Pension Benefits | \$ 1,279,139 | \$ 1,142,521 |

The accompanying notes are an integral part of these statements.

| Statement of Changes in Net Assets |  |  |
| :---: | :---: | :---: |
|  | 2006 | 2005 |
| Additions |  |  |
| Contributions: |  |  |
| District government | \$ 15,500 | \$ 9,200 |
| District employees | 25,807 | 24,778 |
| Total contributions | 41,307 | 33,978 |
| Investment income: |  |  |
| Net appreciation in fair value of investments | 86,084 | 106,378 |
| Interest and dividends | 37,384 | 33,835 |
| Gross earnings on security lending transactions | 7,121 | 3,419 |
|  | 130,589 | 143,632 |
| Less: |  |  |
| Investment expenses | 3,685 | 3,204 |
| Borrower rebates and agent fees on security lending transactions | S 6,790 | 3,095 |
| Net investment income | 120,114 | 137,333 |
| Total additions | 161,421 | 171,311 |
| Deductions |  |  |
| Benefit payments | 23,793 | 20,869 |
| Administrative expenses | 1,010 | 2,210 |
| Total deductions | 24,803 | 23,079 |
| Net Increase in Net Assets | 136,618 | 148,232 |
| Net Assets Held in Trust for Pension Benefits |  |  |
| Beginning of year | 1,142,521 | 994,289 |
| End of year \$ | \$ 1,279,139 | \$ 1,142,521 |

The accompanying notes are an integral part of these statements.

## Notes to Financial Statements

## NOTE 1:

## ORGANIZATION

The District of Columbia Teachers' Retirement Fund (the Fund) was established in 1979 by the District of Columbia Retirement Reform Act (the Reform Act, Pub. L. 96-122, D. C. Code $\$ 1-701$ et seq.). The Fund provides assets to pay pension benefits to all teachers employed by the Board of Education, including certain other educational employees in the public day schools and certain eligible educational employees in the public charter schools of the District of Columbia. The Reform Act also established the District of Columbia Retirement Board (the Board) and the District of Columbia Police Officers and Firefighters' Retirement Fund (the Police and Fire Fund).

The National Capital Revitalization and SelfGovernment Improvement Act of 1997 (the Revitalization Act, Title XI of the Balanced Budget Act of 1997, Pub. L. 105-33) transferred significant assets and liabilities of the Fund and the Police Officers and Fire Fighters' Retirement Fund (collectively, the Funds) to the Federal Government.

Concurrently, the District of Columbia Retirement Protection Act of 1997 (the Retirement Protection Act, Subtitle A of the Revitalization Act) transferred to the Federal Government the liability for retirement benefits for employee service credit earned prior to July 1, 1997, by participants of the District Retirement Funds. The assets transferred to the Federal Government and the assets of the Fund managed by the Board are components of the same single employer defined benefit pension plan.

As required by the Retirement Protection Act, the Council of the District of Columbia (the Council) enacted the Police Officers, Firefighters, and Teachers Retirement Benefit Replacement Plan Act of 1998 (September 18, 1998, D.C. Law 12-152, § 101, 45 DCR 4045; D.C. Code $\S 1-901.01$ et seq.). This Act (the Replacement Act) established the pension benefits for employee service earned after June 30, 1997, and provides for full funding of the benefits on an actuarially sound basis.

The Board is an independent agency of the District of Columbia Government (the District) that is responsible for managing the assets of the District Retirement Funds. Although the assets of the funds are commingled for investment purposes, each Fund's assets may only be used for the payment of benefits to the participants of that Fund and certain administrative expenses.

The Fund is included in the District's Comprehensive Annual Financial Report as a pension trust fund.

## NOTE 2:

FUND ADMINISTRATION AND DESCRIPTION

District of Columbia Retirement Board - The Board consists of 12 trustees, three appointed by the Mayor of the District, three appointed by the Council of the District, and six elected Trustees, including one active and one retired representative, each from the police officers, firefighters, and teachers. In addition, the District's Chief Financial Officer or his designee serves as a nonvoting, ex-officio trustee.

Since its inception, the Board has operated under a committee system which provides a two-tiered process for fiduciary review and analysis. In this manner, the Board, consistent with its fiduciary duties, thoroughly and comprehensively reviews all issues brought before it. The Board has six standing committees, including Benefits, Emerging Enterprise, Fiduciary, Investment, Legislative, and Operations. To implement its policies, the Board retains an Executive Director and other staff to be responsible for the day-to-day management of the Funds.

Other Administration - The District Board of Education makes findings of fact, conclusions of law, and decisions regarding involuntary retirement, survivor benefits and annual medical and income reviews. The DCRB Benefits Department receives retirement orders for retirement benefit calculations for all active plan members found eligible for retirement and carries out the processing and day-to-day administration of
retirement benefits. DCRB also processes employee requests for refunds of contributions. Effective in October 1, 2005, the Board assumed the administrative functions previously performed by the OPRS.

Eligibility — Permanent, temporary and probationary teachers and certain other employees of the District of Columbia public day schools automatically become members on their date of employment. Certain D.C. Public Charter School employees are also eligible to be participants. Substitute teachers and employees of the Department of School Attendance and Work Permits are not covered.

Title 38, Chapter 20 of the D.C. Official Code (D.C. Code $\$ 38$-2001.01 et seq. (2001 Ed.)) establishes benefit provisions which may be amended by the Council. For employees hired before November 1, 1996, the annuity is equal to the average salary, as defined, multiplied by $1.5 \%$ for each of the first five years of service, $1.75 \%$ for each of the second five years, and $2 \%$ for each additional year. For employees hired on or after November 1, 1996, the annuity is equal to the average salary, as defined, multiplied by $2 \%$ for each year of service. The annuity may be further increased by crediting unused sick leave as of the date of retirement. Participants receive an annual benefit increase proportional to changes in the Consumer Price Index; however, the increase may not exceed $3 \%$ for participants hired on or after November 1, 1996.

Participants may select from among several survivor options. Participants who have 5 years of school service (work for the District of Columbia public school system), and who become disabled and can no longer perform their jobs satisfactorily, may be eligible for disability retirement. Disability benefits are calculated under a guaranteed minimum formula.

Optional retirement is available for teachers who have a minimum of 5 years of school service and who achieve the following age and length of service requirements:
at age 62 with 5 years of service;
at age 60 with 20 years of service; and
at age 55 with 30 years of service;
or at any age with 30 years of service, if hired by the school system on or after November 1, 1996.
Employees who are involuntarily separated other than for cause and who have five years of school serv-
ice, may be eligible for retirement at any age with 25 years of service or at age 50 with 20 years of service.

The annuity is reduced, if at the time of its commencement, the participant is under the age of 55.

Participant Data - For the years ended September 30, 2006 and 2005 the number of participating employees was as follows:

|  | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 5}$ |
| :--- | ---: | ---: |
| Retirees and beneficiaries   <br> receiving benefits (post 6/30/97) 1,808 1,639 <br> Active vested plan members 5,088 5,707 <br> Vested Terminants 981 758 <br> Total 7,877 8,104$.$ l |  |  |

Contributions - Fund members contribute by salary deduction at rates established by D.C. Code. Members contribute $7 \%$ (or $8 \%$ for teachers hired on or after November 1, 1996) of annual pay minus any pay received for summer school. Fund members may also contribute up to $10 \%$ of annual pay toward an annuity in addition to any vested pension.

The District is required to contribute the remaining amounts necessary to finance the coverage of its employees through annual contributions at actuarially determined amounts in accordance with the provisions of the Replacement Act. The District contributions for fiscal years 2006 and 2005 were equal to the Fund's independent actuary's recommendation.

Contribution requirements of the Fund members are established at D.C. Code $\$ 38$-2001.01 et seq. (2001 Ed.) and contribution requirements of the government of the District of Columbia are established at D.C. Code 1-907.02 (2001 Ed.). Contribution requirements may be amended by the Council. Administrative costs are financed through investment earnings.

## NOTE 3:

## SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting - The financial statements are prepared using the accrual basis of accounting. Employee contributions are recognized as compensation is earned by fund members.

Employer contributions to the Fund are recognized
when due and the employer has made a formal commitment to provide the contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of the Fund.

Method Used to Value Investments - Investments are reported at fair value, and reflect transaction costs, such as brokerage commissions and other costs normally incurred in a sale, if such costs are determinable. Shortterm investments are reported at cost, which approximates fair value. Securities traded on a national or international exchange are valued at the last reported sales price at the current exchange rate. Collateralized mortgage obligations are stated at fair value.

The fair value of real estate investments is based on independent appraisals, when available, and the fair value of limited partnership interests in real estate investments is based on reported estimated fair values. Investments that do not have established market values are reported at estimated fair value.

Actuarial Data - The Fund uses the Aggregate Actuarial Cost method to determine the annual employer contribution. The excess of the actuarial present value of projected benefits of the group included in an actuarial valuation over the sum of the actuarial value of assets and the actuarial present value of employee contributions is allocated on a level basis over the earnings or service of the group between the valuation date and assumed exit date.

This allocation is performed for the group as a whole, not as a sum of individual allocations. That portion of the actuarial present value allocated to a valuation year is called the normal cost. The actuarial accrued liability is equal to the actuarial value of assets.

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

Investment Expenses - The District of Columbia Appropriation Act authorized Fund earnings to be used for investment expenses incurred in managing the assets and administering the Fund. The total investment expenses borne by the Fund was $\$ 3,685,000$ and $\$ 3,204,000$ in 2006 and 2005, respectively.

## NOTE 4:

## INVESTMENTS

The Board is authorized to manage and control the investment of the District Retirement Funds' assets. The Board broadly diversifies the investments of the Funds so as to minimize the risk of large losses, unless under the circumstances it is clearly prudent not to do so, as required by D.C. Code $\S 1-741(a)(2)(C),(2001 \mathrm{Ed}$.$) .$

Master Trust - The Board has pooled all of the assets under its management (the Investment Pool), as is authorized by D.C. Code § 1-903.03(b), (2001 Ed.), with a master custodian under a master trust arrangement (the Master Trust). Using an investment pool, each Fund has equity in the pool. District and employee contributions are deposited to the respective Fund for which the contribution was made, and benefit payments and employee contribution refunds are withdrawn from the Fund in which the recipient participates. Investment performance and administrative expenditures are allocated between the two Funds based upon their proportionate equity in the pool.

The fair values of investments of the Investment Pool as of September 30, 2006 and 2005, are as follows:

|  | 2006 | 2005 |
| :---: | :---: | :---: |
| Investments held by Board's agent in Board's name: |  |  |
| Cash and cash equivalents | \$ 147,585 | \$ 329,173 |
| Equities (of which \$304,375 and \$211,403 in 2006 and 2005, respectively, is on securities loan with securities and other collateral) | 2,675,639 | 2,126,761 |
| Fixed income securities (of which \$102,106 and \$133,144 in 2006 and 2005, respectively, is on securities loan with securities and other collateral) | 505,903 | 652,876 |
| Payable on investment transactions | $(118,558)$ | $(311,725)$ |
| Subtotal | 3,210,569 | 2,797,085 |
| Investments held by broker-dealer under securities loans with cash collateral: |  |  |
| Equities | 304,375 | 211,403 |
| Fixed income security | 102,106 | 133,144 |
| Securities lending collective investment pool | 428,228 | 354,912 |
| Subtotal | 834,709 | 699,459 |
| Total | \$ 4,045,278 | \$ 3,496,544 |

At September 30, 2006, the Fund's share of the Investment Pool was $\$ 1,447,628$ including cash collateral of $\$ 153,726$ and accrued interest receivable. At September 30, 2005, the Fund's share of the Investment Pool was $\$ 1,286,924$, including cash collateral of $\$ 130,647$ and accrued interest receivable.

## Debt Instruments

As of September 30, 2006, the Investment Pool held the following debt instruments:

| Investment Type | Fair Value | \% of Segment | Duration | Rating |
| :--- | ---: | ---: | ---: | ---: |
| U.S. Treasuries | $\$ 125,636$ | $\$ 15.45 \%$ | 6.74 | AAA |
| U.S. Agencies | 78,544 | $9.66 \%$ | 5.03 | AAA |
| Corporate Securities | 110,805 | $13.63 \%$ | 6.33 | A- |
| Mortgage-Backed Securities | 341,624 | $42.01 \%$ | 3.91 | AAA |
| Asset-Backed Securities | 6,320 | $0.78 \%$ | 1.86 | BBB- |
| High Yield Securities | 49,093 | $6.04 \%$ | 3.41 | B+ |
| Emerging Markets | 16,521 | $2.03 \%$ | 5.49 | BB+ |
| Non-U.S. Securities | 28,441 | $3.50 \%$ | 5.81 | AA+ |
| Convertibles | 970 | $0.12 \%$ | 3.81 | B- |
| Cash Equivalents | 55,225 | $6.79 \%$ | 2.30 | AA+ |
| Total | $\$ 813,179$ | $100.00 \%$ |  |  |

As of September 30, 2005, the Investment Pool held the following debt instruments:

| Investment Type | Fair Value | \% of Segment | Duration | Rating |
| :--- | ---: | ---: | ---: | ---: |
| U.S. Treasuries | $\$ 142,294$ | $\$ 18.28 \%$ | 5.83 | AAA |
| U.S. Agencies | 65,592 | $8.43 \%$ | 5.00 | AAA |
| Corporate Securities | 117,018 | $15.04 \%$ | 5.88 | BBB+ |
| Mortgage-Backed Securities | 345,592 | $44.41 \%$ | 3.64 | AAA |
| Asset-Backed Securities | 7,216 | $0.93 \%$ | 2.35 | A |
| High Yield Securities | 35,324 | $4.54 \%$ | 3.77 | BB- |
| Emerging Markets | 29,310 | $3.77 \%$ | 4.92 | BB |
| Non-U.S. Securities | 28,107 | $3.61 \%$ | 5.47 | AA+ |
| Convertibles | 1,423 | $0.18 \%$ | 2.56 | BB |
| Cash Equivalents | 6,341 | $0.81 \%$ | 5.98 | AA+ |
| Total | $\$ 778,217$ | $100.00 \%$ |  |  |

Interest Rate Risk - As a general rule, the Board's fixed income managers must construct and actively manage a portfolio of fixed income and related securities that maintains a weighted average duration within $+/-2$ years of the duration of the fixed income benchmark.

Credit Quality Risk — Unless specifically authorized in writing by the Board, fixed income managers are permitted to invest in eligible long-term instruments rated investment grade (top four ratings) by a nationally recognized rating organization.

Foreign Currency Risk - As a general policy, the investment managers, with authority to invest in a portfolio consisting primarily of non-U.S. securities, may structure optimal currency positions which minimize
tracking error and enhance risk-adjusted returns relative to the benchmark.

International investments historically have provided plan sponsors with significant risk-reducing diversification benefits because of low correlation of returns among international assets. Holding international assets does, however, expose international portfolios to currency or exchange rate risk. To reduce exposure to currency risk, investment managers may systematically hedge foreign currency positions back to U.S. dollars through the forward currency markets. Since the forward exchange rate is seldom equal to the spot exchange rate, forward hedging gains and losses arise.

As of September 30, 2006, the Investment Pool held investments that are denominated in a currency other than the United States Dollar, as summarized below:

| Currency | Asset Class |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cash | Equities | Fixed Income | Swaps |  |
| Australian Dollar | \$ 65 | \$ 17,576 | \$ - | \$ - | \$ 17,641 |
| Canadian Dollar | - | 18,637 | - | - | 18,637 |
| Swiss Franc | 23 | 59,904 | - | - | 59,927 |
| Danish Krone | - | 3,215 | - | - | 3,215 |
| Euro | 13,816 | 260,977 | 1,281 | (114) | 275,960 |
| Pound Sterling | 379 | 104,193 | 933 | (106) | 105,399 |
| Hong Kong Dollar | 99 | 32,014 | - | - | 32,113 |
| Japanese Yen | 10 | 187,966 | - | - | 187,976 |
| South Korean Won | - | 1,921 | - | - | 1,921 |
| Norwegian Krone | 35 | 2,547 | - | - | 2,582 |
| New Zealand Dollar | 1 | - | - | - | 1 |
| Swedish Krona | 60 | 12,034 | - | - | 12,094 |
| Singapore Dollar | (68) | 4,370 | - | - | 4,302 |
| South African Rand | - | 2,828 | - | - | 2,828 |
| Mexican Peso | - | - | - | - | - |
| Thai Bhaf | 25 | 1,473 | - | - | 1,498 |
| Total Foreign | \$ 14,445 | \$ 709,655 | \$ 2,214 | \$ (220) | \$ 726,094 |

As of September 30, 2005, the Investment Pool held investments that are denominated in a currency other than the United States Dollar, as summarized below:

| Currency | Asset Class |  |  | Total |
| :---: | :---: | :---: | :---: | :---: |
|  | Cash | Equities | Fixed Income |  |
| Australian Dollar | \$ 80 | \$ 14,016 | \$ - | \$14,096 |
| Canadian Dollar | 6 | 11,838 | - | 11,844 |
| Swiss Franc | 3 | 54,050 | 173 | 54,226 |
| Danish Krone | - | 3,679 | - | 3,679 |
| Euro | 4,888 | 219,274 | 11,618 | 235,780 |
| Pound Sterling | 238 | 89,008 | 483 | 89,729 |
| Hong Kong Dollar | 118 | 29,681 | - | 29,799 |
| Japanese Yen | 325 | 151,809 | - | 152,134 |
| South Korean Won | - | 1,061 | - | 1,061 |
| Norwegian Krone | 4 | 2,066 | - | 2,070 |
| New Zealand Dollar | 17 | 842 | - | 859 |
| Swedish Krona | 3 | 13,155 | - | 13,158 |
| South African Rand | - | 2,875 | - | 2,875 |
| Singapore Dollar | 45 | 7,605 | - | 7,650 |
| Thai Bhaf | 29 | 2,875 | - | 2,904 |
| Total Foreign | \$ 5,756 | \$ 603,834 | \$ 12,274 | \$ 621,864 |

Securities Lending Transactions - District statutes and the Board's policies permit the Retirement Funds to participate in securities lending transactions via a Securities Lending Authorization Agreement, which authorizes the master custodian to lend the Board's securities to qualified broker-dealers and banks pursuant to a form of loan agreement.

During 2006 and 2005, the master custodian, at the direction of the Board, lent the Retirement Funds' equity and fixed income securities and received collateral in the form of cash (United States and foreign currency), securities issued or guaranteed by the United States government, the sovereign debt of Organization of Economic Cooperation and Development countries and irrevocable letters of credit issued by a bank insured by the FDIC. The collateral could not be pledged or
sold unless the borrower defaulted on the loan. Borrowers delivered collateral for each loan equal to (i) at least $102 \%$ of the market value of the loaned securities if these securities were sovereign debt issued by a foreign government denominated in U.S. dollars or their primary trading market was located in the United States; or (ii) $105 \%$ of the market value of the loaned securities in the case of loaned securities not denominated in United States dollars or whose primary trading market was not located in the United States.

The Board and the borrowers maintained the right to terminate all securities lending transactions on demand. The cash collateral received on each loan was invested, together with the cash collateral of other qualified tax-exempt plan lenders, in a collective investment pool (the Quality Fund). The Quality Fund does not
meet the requirements of Securities and Exchange Commission Rule 2a-7 of the Investment Company Act of 1940, and accordingly, the master custodian has valued the Fund's investments at fair value for reporting purposes.

The Quality Fund is not registered with the Securities and Exchange Commission. The master custodian, and consequently the investment vehicles it sponsors (including the Quality Fund), are subject to the oversight of the Federal Reserve Board and the Massachusetts Commissioner of Banks. The fair value of the Fund's position in the Quality Fund is not the same as the value of the Retirement Funds' shares.

There was no involuntary participation in an external investment pool by the Quality Fund and there was no income from one fund that was assigned to another fund by the master custodian during 2006 or 2005.

During 2006 and 2005, the Board did not restrict the amount of the loans that the master custodian made on its behalf. There were no failures by any borrowers to return loaned securities or pay distributions thereon and there were no losses resulting from a default of the borrowers or the master custodian during 2006 and 2005.

The Quality Fund invests qualified cash collateral from loans of U.S. and non-U.S. equities, U.S. corporate fixed income securities, U.S. Government securities and sovereign debt. Its average effective duration is restricted to 120 days or less. The average duration of the investment pool as of both September 30, 2006 and 2005 was 446 days and 404 days, respectively. The maximum remaining effective maturity of any instrument is two years. The average weighted maturity of the investment pool as of both September 30, 2006 and 2005 was 52 and 45 days, respectively. Because the loans were terminable at will, their duration did not generally match the duration of the investments made with cash collateral Investments are restricted to issuers with a shortterm credit rating not lower than A1/P1, or long-term ratings not lower than $\mathrm{A}-/ \mathrm{A} 3$, or the equivalent thereof. The Quality Fund may invest in other investment vehicles managed by the master custodian provided they conform to fund guidelines. On September 30, 2006 and 2005, the Board had no credit risk exposure to borrowers. The collateral held and the market value of securities on loan for the Board were $\$ 428,228$ and
$\$ 413,922$, respectively, as of September 30, 2006, and $\$ 354,912$ and $\$ 344,547$, respectively as of September 30, 2005. During 2006 and 2005, the Master Trust's gross earnings from securities lending transactions totaled $\$ 21,017$ and $\$ 9,944$, respectively. The income (net of amortization and accretion), the net realized/unrealized gain attributable to discount and premium, and the net increase in net assets resulting from operations totaled $\$ 22,099, \$ 962$, and $\$ 23,062$, respectively, in 2006 , and $\$ 10,207, \$ 678$, and $\$ 10,915$, respectively, in 2005. The Fund's share of the net income on securities lending transactions totaled \$331 and \$324 in 2006 and 2005, respectively.

Derivative Investments - Derivatives are generally defined as contracts whose value depends on, or derives from, the value of an underlying asset, reference rate, or index. Structured financial instruments are also defined as derivatives, such as mortgage-backed securities, assetbacked securities, and floating rate notes. Derivative investments generally contain exposure to credit risk, market risk, and/or legal risk. Credit risk is the exposure to the default of another party to the transaction (counterparty), or to the creditworthiness of derivative securities, such as mortgage-backed, asset-backed, floating rate, and stripped securities. Market risk is the exposure to changes in the market, such as a change in interest rates, currency exchange rates, or a change in the price or principal value of a security. The Board believes that all contracts entered into are legally permissible in accordance with the policy of the Board.

During 2006 and 2005, the Retirement Funds, in accordance with the policy of the Board, invested in various derivative instruments either to increase potential earnings or to hedge against potential losses. These derivatives included asset-backed securities (ABS), collateralized mortgage-backed securities (CMOs), mort-gage-backed pools and securities, floating rate notes, structured notes, stripped/zero coupon bonds, inflation index bonds, forward mortgage-backed security contracts (TBAs), foreign currency forward and futures contracts, equity index futures, bond futures, bond options, currency options, and warrants.

The Retirement Funds used ABS, CMOs, mortgagebacked pools and securities, floating rate notes, structured notes, stripped/zero coupon bonds, and TBAs pri-
marily to increase potential returns. ABS and mortgagebacked pools and securities offer higher potential yields than comparable duration U.S. Treasury Notes with higher credit and market risks. CMOs also offer higher potential yields than comparable duration U.S. Treasury Notes, with higher market risks, although the market risks may be higher or lower than comparable mort-gage-backed pools. Market risk for asset-backed and mortgage-backed pools and securities is managed by monitoring the duration of the investments. Credit risk is managed by monitoring credit ratings, the underlying collateral for each security and any related guarantee.

Floating rate notes (securities which pay an interest rate tied to an index) are subject to market risk to the extent of the movement of the underlying index in relation to market rates. A downward movement in the underlying index would negatively impact the interest income received on the security. Upward movements in interest rates do not adversely affect floating rate notes as they do fixed rate notes, allowing floating rate notes to function as a hedge against upward changes in interest rates.

The Retirement Funds invest in structured notes with step-up coupons that offer higher yields than comparable U.S. Treasury Notes in exchange for higher market and/or credit risks. Securities with step-up coupons pay interest according to a pre-set series of interest rates which start at one rate and then step-up to higher rates on specific dates. The Retirement Funds also contain stripped/zero coupon bonds, which are purchased at a discount and do not pay any interest.

TBAs are used by the Retirement Funds as an alternative to holding mortgage-backed securities outright to raise the potential yield and to reduce transaction costs. The TBAs used are assumed to be similar in duration and convexity to mortgage-backed securities with identical credit, coupon and maturity features. Credit risk is managed by limiting these transactions to primary dealers. Market risk for this type of security is not significantly different from the market risk for mort-gage-backed securities.

Foreign currency forward and futures contracts and foreign currency options are used by the Retirement Funds for defensive purposes. These contracts hedge a portion of the Retirement Funds' exposure to particular currencies on occasion when significant adverse short-
term movement in exchange rate levels are expected. Foreign currency forward and futures contracts can pose market risk when the maximum potential loss on a particular contract is greater than the value of the underlying investment. Market risks arise due to movements in the foreign exchange rates underlying the contracts used by the Retirement Funds. Credit risk is managed by limiting transactions to counterparties with short-term credit ratings of Al or Pl or by trading on organized exchanges. Market risk for currency options is limited to the purchase cost. Credit risk is managed by limiting transactions to counterparties with investment grade ratings or by trading on organized exchanges.

Equity index futures were used in at least one of the commingled funds used by the Retirement Funds in order to gain exposure to U. S. equity markets in a more efficient and liquid manner than directly investing in all of the underlying equity securities. Equity index futures can pose market risk when the maximum potential loss on a particular contract is greater than the value of the underlying investment. Market risks arise due to movements in the equities markets underlying the contracts used by the Retirement Funds. Credit risk is managed by dealing with the futures exchanges.

Exchange-traded and over-the-counter bond futures and options are used by the Retirement Funds to gain exposure to fixed income markets in a more efficient and liquid manner than by purchasing the underlying bonds. Market risk for these options is limited to purchase cost. Credit risk is managed by limiting transactions to counterparties with investment grade ratings or by trading on organized exchanges.

Warrants are used by the Retirement Funds to gain equity exposure and to enhance performance. Warrants are often distributed by issuers to holdings of common stock and bonds, and are held for the same fundamental reasons as the original common stock and/or bond holdings. Market risk is limited to the purchase cost. Credit risk is similar to the underlying equity and/or bond holdings.

The Retirement Funds also holds derivative instruments indirectly by participating in pooled, commingled, or short-term funds that hold derivatives. Information regarding any risks associated with these holdings is not generally available.

The proportion of derivative investments in the

Retirement Funds varies throughout the year. Further information regarding balances throughout the year is not available.

The Retirement Funds' aggregate portfolio included the following derivative investments, at fair value, at September 30, 2006 and 2005:

|  | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 5}$ |
| :--- | ---: | ---: |
| Mortgage-backed security pools and securities | $\$ 177,289$ | $\$ 338,201$ |
| Collateralized mortgage obligations | 89,973 | 45,742 |
| Asset-backed securities | 68,137 | 1,635 |
| Mortgage-backed securities forward contracts | 1,332 | 60,356 |
| Structured and inflation indexed bonds | 82,351 | 17,284 |
| Foreign currency futures/forward contracts, net | $(3,150)$ | 5,464 |
| Interest rate swaps | 660 | $(1,076)$ |
| Options | $(8)$ | 43 |
| Total | $\$ 416,584$ | $\$ 467,649$ |

## Supplementary Information

## Employer Contributions

| Fiscal Year | Required Annual Contribution | Percentage Contributed |
| :---: | :---: | :---: |
| 2006 | $\$ 15,500$ | $100 \%$ |
| 2005 | 9,200 | $100 \%$ |
| 2004 | 2,900 | $100 \%$ |
| 2003 | - | $100 \%$ |
| 2002 | 1,000 | $100 \%$ |
| 2001 | 1,000 | $100 \%$ |

## Actuarial Methods and Assumptions

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

## September 30, 2006

Valuation date
October 1, 2004

| Actuarial cost method | Aggregate |
| :--- | :---: |
| Amortization method | Not applicable |
| Remaining amortization period | Not applicable |
| Asset valuation method | Market value |
| Actuarial assumptions: |  |
| Investment rate of return | $7.25 \%$ |
| Projected salary increases | $5 \%$ |
| Includes inflation at | $5 \%$ |
| Cost-of-living adjustments (COLAs) | $5 \%$ |

${ }^{1}$ Post-1996 hires have COLAs capped at $3.00 \%$

The aggregate actuarial cost method does not identify or separately amortize unfunded actuarial liabilities.

| REVENUE BY SOURCE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fiscal <br> Year | Employee Contributions | Employer Contributions | Net <br> Appreciations (Depreciation) Interest and Dividends | Investment, Interest and in Fair Value of Investments | Administrative Expenses | Total |
| 2006 | \$ 25,807 | \$ 15,500 | \$ 44,505 | \$ 86,084 | $(11,485)$ | \$ 160,411 |
| 2005 | 24,778 | 9,200 | 37,254 | 106,378 | $(8,509)$ | 169,101 |
| 2004 | 26,283 | - | 25,580 | 80,836 | $(4,468)$ | 128,231 |
| 2003 | 26,047 | - | 22,074 | 101,914 | $(3,640)$ | 146,395 |
| 2002 | 25,374 | -2 | 4,242 | $(86,692)$ | $(4,515)$ | $(41,591)$ |
| 2001 | 24,047 | 200 | 31,112 | $(129,875)$ | $(6,595)$ | $(81,111)$ |
| 2000 | 23,646 | 10,700 | 28,896 | 78,536 | $(6,681)$ | 135,097 |
| 1999 | 21,537 | 18,600 | 26,573 | 105,295 | $(4,694)$ | 167,311 |
| 1998 | 20,385 | 9,700 | 21,109 | $(9,756)$ | $(3,915)$ | 37,523 |
| 1997 | 19,405 | 88,100 | 65,682 | 363,256 | $(14,655)$ | 521,788 |

## EXPENSES BY TYPE

| Fiscal Year | Benefits | Refunds | Total |
| :---: | ---: | ---: | ---: |
| 2006 | $\$ 15,900$ | $\$ 7,893$ | $\$ 23,793$ |
| 2005 | 12,400 | 8,469 | 20,869 |
| 2004 | 8,600 | - | 8,600 |
| 2003 | 5,100 | - | 5,100 |
| 2002 | 3,800 | - | 3,800 |
| 2001 | 2,600 | - | 2,600 |
| 2000 | 1,600 | - | 1,600 |
| 1999 | 700 | - | 700 |
| 1998 | 200 | 479 | 679 |
| 1997 | 144,007 | 408 | 144,415 |

Note: Contributions were made in accordance with actuarially determined contribution requirements.
The Revitalization Act of 1997 made significant changes to the administration of the Fund. Therefore, comparisons of pre-Revitalization Act information to post-Revitalization Act information may not be meaningful.

## Investment Information

At September 30, 2006, the Fund's investments were maintained under a master trust agreement along with assets of the District of Columbia Police Officers and Fire Fighters' Retirement Fund. A schedule of invest-
ments held under the master trust agreement at September 30, 2005, is available for inspection at the offices of the District of Columbia Retirement Board, 900 7th Street, NW, 2nd Floor, Washington, DC 20001.

DCRB COMPREHENSIVE ANNUAL FINANCIAL REPORT

## Investment Section

## Introduction

The District of Columbia Retirement Board (the "Board"), is an independent Agency of the District of Columbia government. The Board manages and controls the assets belonging to the District of Columbia Teachers' Retirement Fund and the District of Columbia Police Officers' and Firefighters' Retirement Fund (the "Funds" or "Total Fund"). The Board is charged by law with responsibility for the investment of these assets.
The Board retains the services of investment advisors to manage individual investment portfolios. These professional investment managers acknowledge in writing their fiduciary responsibility and possess the necessary specialized research facilities and skills. Each investment manager is accorded full discretion, within general and specific investment manager policy guidelines, limits, and restrictions, to select and time purchase and sale transactions and to diversify assets appropriately.

## Investment Objectives and Policies

The Board seeks long-term investment returns in excess of the actuarial investment assumption at a level of risk commensurate with the expected levels of return and consistent with sound and responsible investment practices. The assumed actuarial investment rate is currently set at $7.25 \%$, net of investment management fees and administrative expenses. In addition to meeting the $7.25 \%$ nominal return over the long term, the Total Fund return objective is to exceed the annualized total return of the Board's strategic asset allocation policy benchmark (the "Total Fund Benchmark"). As of September 30, 2006, the Total Fund Benchmark consisted of the following:

| Asset Class | Performance <br> Benchmark | Weight |
| :--- | :--- | ---: |
| U.S. Equities | Russell 3000 Index | $40 \%$ |
| Non-U.S. Equities | MSCI ACWI ex-US Index | $20 \%$ |
| Fixed Income | LB US Universal Index | $25 \%$ |
| Private Equity | Cambridge Private <br> Equity Index | $10 \%$ |
| Real Estate | NCREIF Index | $5 \%$ |

Proxies are a significant and valuable tool in corporate governance. The Board's equity investment managers must promptly vote and monitor proxies and related actions in a manner consistent with the Board's proxy voting guidelines. Each investment manager shall exercise all voting rights consistent with its fiduciary duties.

## FY 2006 Market Overview

Public equity markets continued to perform well during FY 2006, as world stock markets rallied for the fourth straight year. The Russell 3000 Index, a broad-based U.S. equity index, rose $10.2 \%$ during the period. Non-U.S. equity markets outperformed U.S. stocks for the fifth consecutive year, with the MSCI EAFE Index increasing $14.5 \%$ during the 12 -month period ended September 30, 2006. Private equity investments enjoyed strong performance for the second straight year, with the Cambridge Private Equity Index rising $22.5 \%$ for the 1year period. Fixed income was again the worst performing asset class during FY 2006, with the Lehman Brothers Aggregate Bond Index returning 3.1\%, as the Federal Reserve continued to raise short-term interest rates.

## Investment Results

The Total Fund had a gross return of $10.4 \%$ during FY 2006. While it underperformed the Total Fund Benchmark by 120 basis points ( $10.4 \%$ versus $11.6 \%$ ), the Total Fund outperformed the Board's actuarial assumed rate of return of $7.25 \%$ by approximately 255 basis points net of investment management fees (9.8\% versus $7.25 \%$ ). The Total Fund's underperformance relative to the Total Fund Benchmark for FY 2006 can be attributed primarily to underperformance by the domestic equity segment. However, active management within the international equity, fixed income, and real estate segments contributed positively to relative returns. The international equity segment outperformed its benchmark by 230 basis points ( $20.6 \%$ versus $18.3 \%$ ), the fixed income segment outperformed its
benchmark by 80 basis points ( $4.5 \%$ versus $3.7 \%$ ), and the real estate segment outperformed its benchmark by 530 basis points ( $22.9 \%$ versus 17.6\%).

As of September 30, 2006, the Total Fund's assets equaled $\$ 3.62$ billion, an increase of approximately $15 \%$ from the total asset value at the end of FY 2005 after payment of administrative expenses. Over the longterm, the Total Fund has slightly underperformed the Total Fund Benchmark, with the Total Fund returning an annualized $8.7 \%$ (gross) for the 10 -year period ended September 30, 2006, versus $8.9 \%$ for the Total Fund Benchmark. However, it should be noted that the Total Fund exceeded the Board's actuarial assumed rate of return ( $7.25 \%$ ) for the 3-year, 5 -year, and 10-year
periods ended September 30, 2006, by approximately 440 basis points, 100 basis points, and 110 basis points, respectively, on an annualized basis net of investment management fees. Since its inception in October 1982, the Total Fund has an annualized gross return of $10.5 \%$.

Presented in the table below are the gross returns for the Total Fund and for each asset class segment for multiple time periods ended September 30, 2006. These results have been calculated by the Board's custodial bank, State Street Bank and Trust Company, and are time-weighted returns computed in conformance with the CFA Institute's Global Investment Performance Standards (GIPS). Applicable benchmark returns also are presented below each asset class.

## District of Columbia Retirement Board Investment Performance Gross Annualized Returns For Periods Ended September 30, 2006

|  | 1-Year | 3-Year | 5-Year | 10-Year |
| :---: | :---: | :---: | :---: | :---: |
| Total Fund | 10.4\% | 12.1\% | 8.5\% | 8.7\% |
| Actuarial Assumed Rate of Return | 7.3 | 7.3 | 7.3 | 7.2 |
| Total Fund Benchmark* | 11.6 | 13.7 | 9.7 | 8.9 |
| U.S. Equity Segment | 8.9 | 12.6 | 8.3 | 9.1 |
| Russell 3000 Index | 10.2 | 13.0 | 8.1 | 8.7 |
| Non-U.S. Equity Segment | 20.6 | 21.5 | 13.1 | 7.3 |
| Non-U.S. Equity Benchmark ${ }^{* *}$ | 18.3 | 22.0 | 14.1 | 6.7 |
| Fixed Income Segment | 4.5 | 4.7 | 6.1 | 7.4 |
| Fixed Income Benchmark ${ }^{* * *}$ | 3.7 | 3.4 | 4.8 | 6.4 |
| Alternative Investments Segment | 5.4 | 9.6 | -0.4 | 6.3 |
| Russell 3000 Index +500 bps | 15.4 | 18.2 | 13.6 | 14.6 |
| Real Estate Segment | 22.3 | 15.7 | 6.6 | 5.9 |
| NCREIF Property Index | 17.6 | 16.4 | 12.4 | 12.5 |
| Cash Segment | 4.6 | 2.8 | 2.4 | 4.0 |
| 3-month Treasury Bills | 4.5 | 2.7 | 2.3 | 3.8 |

* The Total Fund Benchmark currently is a composite of $40 \%$ Russell 3000, 20\% MSCI ACWI xUS, 25\% LB Universal, 10\% Cambridge Private Equity, 5\% NCREIF
From 3/31/03 to 3/31/06: $40 \%$ Russell 3000, 20\% MSCI EAFE, 25\% LB Aggregate, 10\% Cambridge Private Equity, 5\% NCREIF
From 6/30/99 to 3/31/03: 43.7\% Russell 3000, 20\% MSCI EAFE, 30.3\% LB Aggregate, 5\% Cambridge Private Equity, 1\% 90day T-Bills
From 1/1/97 to 6/30/99: 45\% Russell 3000, 18\% MSCI EAFE, 2\% IFC Global, 17.5\% LB Aggregate, 7.5\% Salomon World Govt. Bond, 5\% Salomon High Yield, 1.5\% NCREIF, 3.5\% Venture Cap 100
From 10/01/96 to 12/31/96: 45\% S\&P 500, 20\% MSCI EAFE, 22.5\% LB Aggregate, 7.5\% Salomon World Govt. Bond Index, 2.5\% NCREIF, 2.5\% Venture Cap 100
${ }^{* *}$ The Non-U.S. Equity Benchmark currently is the MSCI ACWI ex-US Index. Prior to $4 / 1 / 06$, it was the MSCI EAFE Index.
*** The Fixed Income Benchmark currently is the Lehman Brothers US Universal Index. Prior to 4/1/06, it was the Lehman Brothers Aggregate Index.


## Asset Allocation

During FY 2006, the Board maintained its strategic asset allocation targets, which had been established in FY 2003 following an asset/liability study conducted by the Board's general investment consultant, Watson Wyatt Investment Consulting. This study was updated by Watson Wyatt in FY 2005, and asset class targets remain as follows:

| Asset <br> Class | Target <br> Allocation | Allowable <br> Range | Allocation <br> as of <br> $\mathbf{9 / 3 0 / 0 6}$ |
| :--- | :---: | :---: | :---: |
| U.S. Equities | $40 \%$ | $35-45 \%$ | $46 \%$ |
| Fixed Income | $25 \%$ | $20-30 \%$ | $22 \%$ |
| Non-U.S. Equities | $20 \%$ | $15-25 \%$ | $23 \%$ |
| Private Equity | $10 \%$ | $7-13 \%$ | $5 \%$ |
| Real Estate | $5 \%$ | $2-8 \%$ | $4 \%$ |

As of September 30, 2006, all asset classes were within their respective target allocation ranges, with the exception of private equity and a slight overweight to U.S. equities. Due to the difficulties involved in deploying large amounts of capital expeditiously in this asset class, it may take several years until the Board reaches full exposure to private equity. Thus, U.S. public equities will be used as a proxy for exposure to private equity until this strategy can be fully implemented.

Asset Allocation as of September 30, 2006


## Report on Investment Activity

During FY 2006, the Board took important steps in moving toward its target private equity and real estate allocations. Pantheon, the Board's discretionary private equity advisor and fund-of-fund manager who was initially funded by the Board in November 2004, had made capital commitments of more than $\$ 182$ million in 49 private equity partnerships through September 30, 2006. The Board also approved an investment in a secondary private equity fund-of-funds managed by Pantheon, which is expected to close in FY 2007. Regarding real estate, the Board funded the JP Morgan Strategic Property Fund (core), and selected and funded CB Richard Ellis Strategic Partners IV (high return), during FY 2006.

The Board reviewed the investment structure of its non-U.S. equity segment during FY 2006 and decided to change the segment's benchmark to the MSCI All Country World Index (ACWI) ex-US in order to reflect the broader scope of international equity markets, including emerging markets. The Board also reviewed the investment structure of its fixed income segment, electing to change the segment's benchmark to the Lehman US Universal Index, which includes high yield and emerging markets fixed income securities. Within the US equity segment, the Board conducted a search for a mid-cap value manager to replace Ariel Capital, selecting and funding Thompson, Siegel, \& Walmsley. In addition, with the goal of increasing alpha and diversification in the Total Fund, the Board conducted a search for a multi-strategy manager, selecting and funding Bridgewater Associates.

The Board continued to rebalance its managers' portfolios during FY 2006 in accordance with the Board's rebalancing policy. Variances from investment style targets were rebalanced as needed in a manner that maintained the overall integrity of the asset class structure but was not disruptive to the managers.

| List of Largest Assets Held |  |  |  |
| :---: | :---: | :---: | :---: |
| District of Columbia Retirement Board |  |  |  |
| List of Top 10 Public Equity Holdings |  |  |  |
| As of September 30, 2006 |  |  |  |
| Rank | Security Name | Shares | Market Value (USD) |
| 1 | EXXON MOBIL CORP | 509,070 | \$34,158,597 |
| 2 | GENERAL ELEC CO | 850,970 | \$30,039,241 |
| 3 | PFIZER INC | 802,574 | \$22,760,999 |
| 4 | BANK AMER CORP | 410,791 | \$22,006,074 |
| 5 | CITIGROUP INC | 441,976 | \$21,952,948 |
| 6 | GOOGLE INC | 50,430 | \$20,267,817 |
| 7 | AT+T INC | 579,256 | \$18,860,575 |
| 8 | MICROSOFT CORP | 646,889 | \$17,679,476 |
| 9 | CHEVRON CORP | 264,509 | \$17,156,054 |
| 10 | BNP PARIBAS | 158,569 | \$17,043,583 |

## District of Columbia Retirement Board

List of Top 10 Fixed Income Holdings
As of September 30, 2006

| Rank | k Security Name Rate | Rating Date | Par Value (USD) | Interest | Maturity | Market Value |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | FNMA TBA OCT 30 SINGLE FAM | AAA | \$50,690,000 | 5.00 | 12/1/2099 | \$48,705,963 |
| 2 | FNMA TBA OCT 30 SINGLE FAM | AAA | \$17,200,000 | 6.00 | 12/1/2099 | \$17,275,250 |
| 3 | UNITED STATES TREAS NTS | AAA | \$16,143,000 | 4.00 | 2/15/2014 | \$15,525,027 |
| 4 | UNITED STATES TREAS NTS | AAA | \$12,650,000 | 5.13 | 6/30/2011 | \$12,928,695 |
| 5 | UNITED STATES TREAS BDS | AAA | \$8,466,811 | 3.63 | 4/15/2028 | \$10,492,232 |
| 6 | GNMA I TBA NOV 30 SINGLE FAM | AAA | \$10,000,000 | 6.50 | 12/1/2099 | \$10,251,172 |
| 7 | FNMA TBA OCT 30 SINGLE FAM | AAA | \$9,000,000 | 5.50 | 12/1/2099 | \$8,865,703 |
| 8 | FNMA TBA OCT 30 SINGLE FAM | AAA | \$8,100,000 | 6.50 | 12/1/2099 | \$8,249,344 |
| 9 | SMALL BUSINESS ADMIN | AAA | \$8,212,173 | 4.72 | 2/1/2024 | \$7,994,057 |
| 10 | GNMA POOL 781834 | AAA | \$7,351,951 | 6.00 | 9/15/2034 | \$7,462,805 |

## Schedule of Fees and Commissions

For FY 2006, the following fees and commissions were paid:

| Expense Category | Amount (\$) <br> (in basis points) | \% of Total Fund |
| :--- | :---: | :---: |
| Investment Managers |  |  |
| Investment Consultants | $\$ 10,008,167$ | 30 bps |
| Investment Custodian | $\$ 347,917$ | 1 bp |
| Brokerage Commissions | $\$ 822,081$ | 2 bps |

* Fees paid to traditional investment managers only; traditional investment managers are those that invest primarily in public equity and fixed income securities.

| Investment Summary |  |  |
| :---: | :---: | :---: |
| District of Columbia Retirement Board |  |  |
| Investment Summary |  |  |
| As of September 30, 2006 |  |  |
| Asset Class | Mkt Value \$(000) | \% of Fund |
| U.S. Equity | \$1,656,747 | 45.7\% |
| Non-U.S. Equity | \$825,545 | 22.8\% |
| Fixed Income | \$813,102 | 22.5\% |
| Alternative Investments | \$184,729 | 5.1\% |
| Real Estate | \$134,805 | 3.7\% |
| Cash | \$6,628 | 0.2\% |
| Total | \$3,621,556 | 100.0\% |

DCRB COMPREHENSIVE ANNUAL FINANCIAL REPORT

## Actuarial Section

## Independent Actuary's Certification Letter

Required Actuarial Certification Under District of Columbia Code §1-907 for Fiscal Year 2008 (Dollars in Millions)

| Certification | Code Section | Teachers | Police | Fire | Police/Fire <br> Combined | Total District |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FY 2008 Normal Contribution Rate | 1-907.03(a)(3)(A) | 2.4\% | 37.7\% | 31.5\% | 35.9\% | 19.9\% |
| Estimated FY 2008 Covered Payroll | NA | \$338.4 | \$263.2 | \$105.5 | \$368.7 | \$707.1 |
| FY 2008 District Payment before 1-907.02(c) | NA | \$8.1 | \$99.2 | \$33.2 | \$132.4 | \$140.5 |
| FY 2006 Shortfall/Overpayment | 1-907.02(c) | (\$2.1) | \$4.0 | \$0.6 | \$4.6 | \$2.5 |
| FY 2008 District Payment | NA | \$6.0 | \$103.2 | \$33.8 | \$137.0 | \$143.0 |
| Present Value of Future Benefits | 1-907.03(a)(3)(B) | \$1,530.1 | \$2,830.0 | \$1,074.3 | \$3,904.3 | \$5,434.4 |
| Current Value of Assets ${ }^{1}$ | 1-907.03(a)(3)(C) | \$1,284.4 | \$1,662.5 | \$645.7 | \$2,308.2 | \$3,592.6 |
| Actuarial Value of Assets ${ }^{\text {3 }}$ | 1-907.03(a)(3)(D) | \$1,230.0 | \$1,622.5 | \$630.1 | \$2,252.6 | \$3,482.6 |



[^0]
## Summary of Actuarial Assumptions and Methods

## Actuarial Funding Method

The funding method required by the "Replacement Plan Act" is the Aggregate Funding Method. Under this Method, the District must contribute the level percent of pay that - combined with the actuarial value of assets, expected investment earnings, and future employee contributions - will pay for the benefits of the current participants by the time the current workforce leaves employment.

## Actuarial Assumptions

## Valuation Date

All assets and liabilities are computed as of October 1, 2006.

## Rate of Return

The annual rate of return on all Fund assets is assumed to be $7.25 \%$, net of investment and administrative expenses.

## Cost of Living

The cost of living as measured by the Consumer Price Index (CPI) will increase at the rate of $5.00 \%$ per year.

## Increases in Pay

Assumed pay increases for active members consist of increases due to cost of living adjustments and promotion and increases due to longevity and retention incentives. Cost of living increases are assumed to result in a general wage increase of $5.0 \%$ for all employees. Sample rates for the increases due to promotions are given in the table below. Rates for the longevity and retention incentives are given separately.

| Service | Teachers | Police <br> Officers | Firefighters |
| :---: | :---: | :---: | :---: |
| 0 | $4.000 \%$ | $5.000 \%$ | $2.500 \%$ |
| 5 | $4.000 \%$ | $3.563 \%$ | $2.500 \%$ |
| 10 | $3.000 \%$ | $2.584 \%$ | $2.500 \%$ |
| 15 | $2.000 \%$ | $2.314 \%$ | $2.500 \%$ |
| 20 | $1.000 \%$ | $2.000 \%$ | $2.500 \%$ |
| 25 | $0.159 \%$ | $1.100 \%$ | $2.500 \%$ |
| 30 | $0.393 \%$ | $0.500 \%$ | $2.500 \%$ |
| 35 | $0.331 \%$ | $0.000 \%$ | $2.500 \%$ |
| 40 | $0.270 \%$ | $0.000 \%$ | $0.000 \%$ |

## Active Member Mortality

Rates of mortality for active male teachers are given by the 1994 Uninsured Pension (UP94) Male Table with generational improvement using Projection Scale AA, with a one-year age set forward. Rates of mortality for active female teachers are given by the 1994 Uninsured Pension (UP94) Female Table with generational improvement using Projection Scale AA, with a oneyear age set forward.

## Mortality

Rates of mortality for active male police officers and fire fighters are given by the 1994 Uninsured Pension (UP94) Male Table with generational improvement using Projection Scale AA, with a three-year age set forward. Rates of mortality for active female police officers and firefighters are given by the 1994 Uninsured Pension (UP94) Female Table with generational improvement using Projection Scale AA, with a threeyear age set forward.

To value the pre-retirement death benefit for police officers and firefighters, the benefit form for all retirements (normal or disabled) is assumed to be a $54.2 \%$ Joint and Survivor annuity for all participants.
$25 \%$ of all police officer and fire fighter active deaths are assumed to occur in the line of duty.

## Retired Member Mortality

Rates of mortality for retired male teachers are given by the 1994 Uninsured Pension (UP94) Male Table with generational improvement using Projection Scale AA. Rates of mortality for active female teachers are given by the 1994 Uninsured Pension (UP94) Female Table with generational improvement using Projection Scale AA.

Rates of mortality for active male police officers and firefighters are given by the 1994 Uninsured Pension (UP94) Male Table with generational improvement using Projection Scale AA, with a two-year age set forward. Rates of mortality for active female police officers and firefighters are given by the 1994 Uninsured Pension (UP94) Female Table with generational improvement using Projection Scale AA, with a twoyear age set forward.

## Disabled Member Mortality

Rates of mortality among disabled members are specified for male and female members; separate tables are used for teachers and for public safety disabled members. Sample rates for teachers are as follows:

| Age | Male | Female |
| :---: | ---: | ---: |
| 20 | $2.4000 \%$ | $2.4000 \%$ |
| 30 | $2.4000 \%$ | $2.4000 \%$ |
| 40 | $2.4000 \%$ | $2.4000 \%$ |
| 50 | $2.4545 \%$ | $2.4000 \%$ |
| 60 | $2.5910 \%$ | $2.4000 \%$ |
| 70 | $3.8006 \%$ | $2.4000 \%$ |
| 80 | $7.2111 \%$ | $4.1413 \%$ |
| 90 | $13.1554 \%$ | $10.0013 \%$ |

Sample rates for police officers and firefighters are as follows:

| Age | Male | Female |
| :---: | ---: | ---: |
| 20 | $0.9033 \%$ | $0.5616 \%$ |
| 30 | $0.9033 \%$ | $0.5616 \%$ |
| 40 | $0.9033 \%$ | $0.5616 \%$ |
| 50 | $0.9033 \%$ | $0.5616 \%$ |
| 60 | $1.3029 \%$ | $0.8310 \%$ |
| 70 | $2.6405 \%$ | $1.7147 \%$ |
| 80 | $6.4974 \%$ | $4.2282 \%$ |
| 90 | $15.6801 \%$ | $12.2128 \%$ |

## Service Retirement

Retirement is assumed to occur among teachers in accordance with the table below:

| Age | First Year <br> Eligible | Subsequent <br> Years |
| :---: | :---: | :---: |
| $50-55$ | $20 \%$ | $20 \%$ |
| 56 | $40 \%$ | $20 \%$ |
| $57-59$ | $60 \%$ | $20 \%$ |
| $60-69$ | $20 \%$ | $20 \%$ |
| 70 | $100 \%$ | $100 \%$ |

For police officers and firefighters, the following rates of retirement are assumed.

| Age | Police Officers | Firefighters |
| :---: | :---: | :---: |
| 40 | 7.5\% | 2.0\% |
| 41 | 10.0\% | 3.0\% |
| 42 | 12.0\% | 4.0\% |
| 43 | 15.0\% | 5.0\% |
| 44 | 15.0\% | 5.0\% |
| 45 | 15.0\% | 6.0\% |
| 46 | 15.0\% | 7.0\% |
| 47 | 17.0\% | 8.0\% |
| 48 | 19.0\% | 9.0\% |
| 49 | 21.0\% | 11.0\% |
| 50 | 23.0\% | 13.0\% |
| 51 | 25.0\% | 15.0\% |
| 52 | 25.0\% | 20.0\% |
| 53 | 25.0\% | 25.0\% |
| 54 | 30.0\% | 30.0\% |
| 55 | 40.0\% | 35.0\% |
| 56 | 50.0\% | 35.0\% |
| 57 | 50.0\% | 35.0\% |
| 58 | 50.0\% | 35.0\% |
| 59 | 50.0\% | 35.0\% |
| 60 | 100\% | 100\% |

It is assumed that all police officers and firefighters retire after 31 years of service.

## Disability

Separate rates of disability are assumed among teachers, police officers and firefighters, with rates for both sexes combined. Below are sample rates:

| Age | Teachers | Police Officers | Firefighters |
| :---: | :---: | :---: | :---: |
| 25 | $0.0300 \%$ | $0.4383 \%$ | $0.2893 \%$ |
| 30 | $0.0572 \%$ | $0.5750 \%$ | $0.3795 \%$ |
| 35 | $0.0932 \%$ | $0.8500 \%$ | $0.5610 \%$ |
| 40 | $0.1292 \%$ | $1.2500 \%$ | $0.8250 \%$ |
| 45 | $0.2040 \%$ | $1.9633 \%$ | $1.2958 \%$ |
| 50 | $0.3212 \%$ | $3.2500 \%$ | $2.1450 \%$ |
| 55 | $0.5520 \%$ | $5.7750 \%$ | $3.8115 \%$ |
| 60 | $0.5700 \%$ | $8.2500 \%$ | $5.4450 \%$ |
| 65 | $0.0000 \%$ | $8.2500 \%$ | $5.4450 \%$ |

For police officers and firefighters, it is assumed that $50 \%$ of the disabilities are due to accidents in the line of duty. The benefit amount for some members is defined to be based on the "\% of disability." For all police officer and firefighter disabilities, the "\% of disability" is assumed to be $100 \%$.

## Withdrawal

Separate rates of withdrawal/termination are assumed among teachers, police officers, and firefighters, with rates for both sexes combined. Withdrawal rates are not applied to Members eligible for service retirement.

| Age | Teachers | Police Officers | Firefighters |
| :---: | :---: | :---: | :---: |
| 20 | $25.00 \%$ | $12.13 \%$ | $1.60 \%$ |
| 25 | $23.00 \%$ | $6.57 \%$ | $1.60 \%$ |
| 30 | $16.00 \%$ | $4.23 \%$ | $1.60 \%$ |
| 35 | $11.00 \%$ | $2.32 \%$ | $1.60 \%$ |
| 40 | $6.80 \%$ | $1.33 \%$ | $1.60 \%$ |
| 45 | $4.80 \%$ | $1.03 \%$ | $1.60 \%$ |
| 50 | $3.60 \%$ | $0.00 \%$ | $0.00 \%$ |
| 55 | $0.00 \%$ | $0.00 \%$ | $0.00 \%$ |
| 60 | $0.00 \%$ | $0.00 \%$ | $0.00 \%$ |

For police officers and firefighters, all terminations are assumed to result in the withdrawal of contributions, with no further benefits payable. For teachers with more than 5 years of service, terminated employees are expected to receive a deferred vested benefit. Teachers with less than 5 years of service receive a refund of accumulated contributions.

## Pay for Benefits

Allowances have been made for special increases in Compensation prior to termination or retirement. For police officers, an additional increase of $5 \%$ is given for the Base Retention Differential after 20 years of service. Also, police officers are assumed to receive a longevity increase of $10 \%$ after 20 years of service, and additional increases of $5 \%$ after 25 and 30 years of service. Firefighters are assumed to receive retention incentives of $5 \%, 10 \%, 15 \%$, and $20 \%$ applied to base pay after 15 , 20,25 , and 30 years of service, respectively.

## Family Composition

$64 \%$ of teachers and $80 \%$ of police officers and firefighters are assumed to be married. Male spouses are assumed to be three years older than their wives. Active employees are assumed to have one dependent child aged 10.

## Employment Status

No future transfers among member groups are assumed.

## Actuarial Value of Plan Assets

The actuarial value of District assets is a modified mar-ket-related value. The actuarial value of assets method approved by the Board is defined as the expected actuarial value of assets (assuming a $7.25 \%$ rate of return) plus $1 / 3$ of the difference between the expected and actual market value of assets. There is then a final adjustment made for the effect of the adjustment pursuant to D.C. Code $\$ 1-907.02$ (c). This adjustment is explained and developed in Section 3.5.

The detailed calculation of the actuarial value of District assets is shown in Section 2.5.

## Participant Data

Data on active and inactive members and their beneficiaries as of the valuation date was supplied by the District's Office of Pay and Retirement Services (OPRS), on electronic media. As is usual in studies of this type, member data was neither verified nor audited, but was reviewed for reasonableness.

Certain assumptions were made with respect to information provided by the District of Columbia:

- Charter school teachers data is not available. To account for this group, active liabilities and payroll were increased by $1.5 \%$
- The data is incomplete with respect to former members who have a deferred vested benefit. Thus, benefits for these individuals are assumed based on their service and pay history as available.
- Benefit service has been determined based on employee contribution history.
- Benefit splits between federal and District have been estimated for terminated vested participants with missing benefit amounts based on employee contribution history.
- It is assumed that all Fire and Police members with prior military service will purchase this service. To account for this, an average amount of prior service of 0.4 years based on a prior study is assumed for all Police and Fire members.

Schedule of Active Member Data

| Active Participants | Teachers | Police Officers | Firefighters |
| :--- | :---: | :---: | :---: |
| Number | 5,088 | 3,747 | 1,509 |
| Average Age | 45.9 | 38.9 | 38.9 |
| Average Service | 11.9 | 12.5 | 12.9 |
| Average Pay | $\$ 64,369$ | $\$ 65,001$ | $\$ 64,508$ |

## Schedule of Retiree and Beneficiary Data

Inactive Participants

| Service Retired | District | Total $^{\mathbf{1}}$ | District | Total* | District | Total* $^{*}$ |
| :--- | :---: | ---: | :---: | ---: | ---: | ---: |
| Number | 2,017 | 4,907 | 549 | 3,135 | 166 | 933 |
| Average Age | 63.9 | 71.5 | 55.5 | 62.3 | 55.8 | 65.2 |
| Average Benefit | $\$ 7,493$ | $\$ 38,250$ | $\$ 8,212$ | $\$ 47,046$ | $\$ 11,924$ | $\$ 55,019$ |

## Beneficiaries

| Number | 71 | 457 | 181 | 1,309 | 48 | 491 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Average Age | 47.9 | 69.4 | 31.3 | 65.2 | 28.7 | 69.8 |
| Average Benefit | $\$ 4,442$ | $\$ 17,483$ | $\$ 4,045$ | $\$ 22,781$ | $\$ 4,413$ | $\$ 24,638$ |

## Disabled

| Number | 87 | 455 | 217 | 1,283 | 46 | 500 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Average Age | 57.2 | 70.7 | 44.8 | 63.8 | 51.2 | 69.2 |
| Average Benefit | $\$ 7,219$ | $\$ 26,204$ | $\$ 17,061$ | $\$ 38,934$ | $\$ 11,711$ | $\$ 45,363$ |

Terminated Vested

| Number | 612 | 981 | 79 | 215 | 15 | 29 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Average Age | 45.7 | 52.6 | 41.5 | 54.3 | 42.1 | 49.3 |
| Average Benefit | $\$ 4,827$ | $\$ 7,977$ | $\$ 8,952$ | $\$ 11,672$ | $\$ 5,393$ | $\$ 11,153$ |

${ }^{1}$ Federal and District Combined

## Summary of Plans' Provisions:

## District of Columbia Teachers' Retirement Plan

## Membership

## Eligibility

Permanent, temporary, and probationary teachers for the District of Columbia public day schools become members automatically on their date of employment. Other employees covered by the Retirement of Public School Teachers Act - including librarians, principals, and counselors - also become members on their date of employment. Substitute teachers and employees of the Department of School Attendance and Work Permits are not covered. Some former D.C. teachers working at charter schools are eligible to remain in the Plan.

## Member Contributions

Members hired before November 1, 1996 are required to contribute $7 \%$ of annual pay minus any pay received for summer school. Members hired on or after November 1, 1996 contribute $8 \%$ of annual pay minus pay received for summer school.

Members can also make voluntary contributions of up to $10 \%$ of annual pay toward an annuity in addition to any vested pension.

Interest is not credited to each member's accumulated contributions.

## Service

## School Service

One year of school service is granted for each year of employment with the D.C. public day schools.

## Credited Service

Service granted or purchased in addition to school service.

## Voluntary Retirement

## Eligibility

For participants hired before November 1, 1996:

- Age 62 with 5 years of school service;
- Age 60 with 20 years of total service, including 5 years of school service; or
- Age 55 with 30 years of total service, including 5 years of school service.
For participants hired on or after November 1, 1996:
- Age 62 with 5 years of school service;
- Age 60 with 20 years of total service, including 5 years of school service; or
- Any age with 30 years of total service, including 5 years of school service.


## Benefit Amount

For participants hired before November 1, 1996:

- $1.5 \%$ of high 3-year average pay times service up to 5 years, plus
- $1.75 \%$ of average pay times service between 5 and 10 years, plus
- $2.0 \%$ of average pay times service over 10 years.

For participants hired on or after November 1, 1996:

- $2.0 \%$ of average pay times service.

For all participants, there is a minimum benefit of $1.0 \%$ of average pay plus $\$ 25$ for each year of service

## Involuntary Retirement

## Eligibility

Retired involuntarily for reasons other than misconduct or delinquency with:

- 25 years of total service, including 5 years of school service; or
- Age 50 with 20 years of total service, including 5 years of school service.


## Benefit Amount

Voluntary Retirement benefit reduced $1 / 6 \%$ per month (2\% per year) that date of retirement precedes age 55.

## Disability Retirement Benefit

## Eligibility

5 years of school service and a physical or mental disability that prevents the member from performing his/her job.

## Benefit Amount

Voluntary Retirement benefit subject to a minimum of the lesser of $40 \%$ of average pay and the benefit that the member would receive projecting service to age 60.

## Lump Sum Death Benefit

## Eligibility

Death before completion of 18 months of school service or death without an eligible spouse, child, or parent.

## Benefit Amount

Refund of paid contributions

## Installment Benefit Payable upon

 Death - Spouse Only
## Eligibility

Death before retirement and married for at least two years or have a child by the marriage.

## Benefit Amount

$55 \%$ of the Voluntary Retirement benefit subject to the minimums specified in the Disability Retirement Benefit.

## Installment Benefit Payable upon

 Death - Spouse and Dependent Children
## Eligibility

For the spouse, as described above; for the children, unmarried and under 18, 22 if full-time student, or any child dependent because of a disability incurred before age 18. Death does not have to occur before retirement for the children's benefits.

## Benefit Amount

Spouse benefit as described above, plus a benefit per child of the smallest of:

- $60 \%$ of average pay divided by the number of eligible children;
- \$5,640 (if hired before January 1, 1980), \$5,448 (if hired between January 1, 1980 and October 31, 1996) or $\$ 5,400$ (if hired on or after November 1, 1996) per child; or
- $\$ 16,920$ (if hired before January 1, 1980), $\$ 16,344$ (if hired between January 1, 1980 and October 31, 1996), or $\$ 16,200$ (if hired on or after November 1, 1996), divided by the number of children, payable until the children are no longer eligible.


## Installment Benefit Payable upon Death — Dependent Children Only <br> Eligibility <br> Same as the children's benefit above.

## Benefit Amount

Per child, the smallest of:

- 75\% of average pay divided by the number of eligible children;
- \$6,876 (if hired before January 1, 1980), \$6,636 (if hired between January 1, 1980 and October 31, 1996) or $\$ 6,552$ (if hired on or after November 1, 1996) per child; or
- $\$ 20,628$ (if hired before January 1, 1980), $\$ 19,908$ (if hired between January 1, 1980 and October 31, 1996) or $\$ 19,656$ (if hired on or after November 1, 1996) divided by the number of children, payable until the children are no longer eligible.


## Installment Benefit Payable upon <br> Death - Surviving Parents Only

## Eligibility

Death before retirement and no eligible spouse or children, and parents receive at least one-half of their total income from member.

## Benefit Amount

Spouse benefit as described above.

## Deferred Vested Benefit

## Eligibility

5 years of school service.

Benefit Amount
Voluntary Retirement Benefit beginning at age 62.

## Form of Payment Options

## Normal Form of Payment

Unreduced Annuity.
Reduced Annuity with a maximum (55\%) Survivor Annuity (to Spouse)

The original benefit is reduced by $2.5 \%$ of annual pension up to $\$ 3,600$, plus $10 \%$ of any amount over $\$ 3,600$.

## Reduced Annuity with a Partial Survivor Annuity

 (to Spouse)A joint and survivor annuity with a benefit payable to the spouse of between $\$ 1$ and $54 \%$ of the unreduced retirement benefit. The original benefit is reduced by dividing the amount of the survivor's annuity by $55 \%$, then reducing the original benefit by $2.5 \%$ of this amount up to $\$ 3,600$, plus $10 \%$ of any amount over \$3,600.

Reduced Annuity with a Survivor Annuity to a person with an "Insurable Interest"
A joint and $55 \%$ survivor annuity with the original benefit reduced $10 \%$ plus an additional $5 \%$ for each full 5 years, up to 25 years, the survivor is younger, with a total reduction of $40 \%$ for any survivor who is 25 or more years younger.

## Reduced Annuity with an Insurance Benefit

Benefits may be reduced and the balance used to purchase life insurance.

## Cost-of-Living Adjustments

All participants receive an increase effective each March based on the annual change in the Consumer Price Index (all items - U.S. City average) from December to December. The annual increase is capped at $3 \%$ for members hired on or after November 1, 1996.

## Retirement Program for District of Columbia Police Officers and Firefighters

## Membership

Eligibility
All police officers and firefighters of the District of Columbia automatically become members on their date of employment. Police Cadets are not eligible.

## Member Contributions

Members hired before November 10, 1996 are required to contribute $7 \%$ of annual salary, including any differential for special assignment, but excluding overtime, longevity, holiday, or military pay. Members hired on or after November 10, 1996 contribute $8 \%$ of annual salary, including any differential for special assignment, but excluding overtime, holiday, or military pay.

Interest is not credited to each member's accumulated contributions.

## Service

## Departmental Service

Each full year and additional months of employment with either the Metropolitan Police Force or the D.C. Fire Department.

## Credited Service

Service granted or purchased in addition to departmental service.

## Average Pay

For those hired before February 15, 1980, basic pay for the highest 12 consecutive months. For those hired on or after February 15, 1980, basic pay for the highest 36 consecutive months divided by three.

## Longevity Pay (Police Only)

Members who complete 25 years of active service prior to retirement are entitled to an additional $15 \%$ of their basic compensation. Members who complete 30 years of active service are entitled to an additional $20 \%$ of their basic pay.

## Normal Retirement Benefit

## Eligibility

For participants hired before February 15, 1980:

- 20 years of service

For participants hired before November 10, 1996:

- Age 60; or
- Age 50 with 25 years of departmental service; or For participants hired on or after November 10, 1996:
- Age 60; or
- No age requirement with 25 years of service.


## Benefit Amount

For participants hired before November 10, 1996:

- $2.5 \%$ of average pay times departmental service up to 25 years ( 20 years if hired before February 15, 1980), plus
- $3.0 \%$ of average pay times departmental service over 25 (or 20) years, plus
- $2.5 \%$ of average pay times credited service.

For participants hired on or after November 10, 1996:

- $2.5 \%$ of average pay times total service.
- For all participants, there is a maximum benefit of $80 \%$ of average pay.


## Service-Related Disability Retirement Benefit

## Eligibility

Disabled as a result of an illness or injury in the line of duty.

## Benefit Amount

For participants hired before February 15, 1980
$\cdot 2.5 \%$ of average pay times total years of service, subject to a minimum benefit of $66-2 / 3 \%$ of average pay and subject to a maximum benefit of $70 \%$ of average pay.
For participants hired on or after February 15, 1980

- $70 \%$ of final pay times percentage of disability, subject to a minimum benefit of $40 \%$ of final pay.


## Non-Service-Related Disability <br> Retirement Benefit

Eligibility
5 years of departmental service and a physical or mental disability that prevents the member from performing his/her job.

## Benefit Amount

For participants hired before February 15, 1980

- $2.0 \%$ of average pay times total years of service, subject to a minimum benefit of $40 \%$ of average pay and subject to a maximum benefit of $70 \%$ of average pay.
For participants hired on or after February 15, 1980
- $70 \%$ of final pay times percentage of disability, subject to a minimum benefit of $30 \%$ of final pay.


## Lump Sum Death Benefit

## Eligibility

Death occurring in the line of duty, not resulting from willful misconduct, an intention to bring about his/her own death, or drunkenness.

## Benefit Amount

\$50,000.

## Installment Benefit Payable upon

Death - Spouse Only, Member Not Killed in Line of Duty after December 29, 1993

## Eligibility

Death and, if retired, married for at least one year or have a child by the marriage.

## Benefit Amount

$40 \%$ of the greater of average pay and the salary for step 6 salary class 1 of the D.C. Police and Fireman's Salary Act in effect, adjusted for cost-of-living increases if death occurs after retirement. The benefit cannot exceed the rate of pay at death (or retirement if death occurs after retirement.)

## Installment Benefit Payable upon

Death - Spouse Only, Member Killed in Line of Duty after December 29, 1993

## Eligibility

Death (killed in line of duty).

## Benefit Amount

$100 \%$ of final pay.

## Installment Benefit Payable upon Death - Spouse and Dependent Children

## Eligibility

For the spouse, as described above; for the children, unmarried and under 18, 22 if full-time student, or any child dependent because of a disability incurred before age 18 . Death does not have to occur before retirement for the children's benefits.

## Benefit Amount

Spouse benefit as described above, plus, provided death does not occur in the line of duty, a benefit per child of the smallest of:

- $60 \%$ of average pay divided by the number of eligible children;
- $\$ 3,312$ (if hired before November 10, 1996), or \$3,288 (if hired on or after November 10, 1996); or
- $\$ 9,936$ (if hired before November 10, 1996), or \$9,864 (if hired on or after November 10, 1996), divided by the number of children, payable until the children are no longer eligible.


## Installment Benefit Payable upon <br> Death - Dependent Children Only

Eligibility
Same as the children's benefit above.

## Benefit Amount

Per child, $75 \%$ of average pay divided by the number of eligible children, adjusted for cost-of-living increases.

## Refund of Contributions

## Eligibility

Death before retirement and no eligible spouse or children.

## Benefit Amount

All contributions will be refunded to a named, or statu-torily-designated if none named, beneficiary.

## Deferred Vested Benefit

## Eligibility

5 years of departmental service.

## Benefit Amount

Normal Retirement Benefit beginning at age 55.

## Form of Payment Options

## Normal Form of Payment

Single Life Annuity.

## Additional Survivor Benefit

The original benefit is reduced $10 \%$. This $10 \%$ amount is reduced by $5 \%$ for each full 5 years the survivor is younger (but not more than $40 \%$ ) and is added to the survivor's benefit.

## Cost-of-Living Adjustments

Employees (not beneficiaries) who retired prior to February 15, 1980, receive the same percentage increase as active employees' salary increases. All other retired participants receive an increase each March based on the annual change in the Consumer Price Index (All Urban Consumers) from December to December. The annual increase is limited to $3 \%$ for members hired on or after November 10, 1996.

DCRB COMPREHENSIVE ANNUAL FINANCIAL REPORT

## Statistical Section

| DISTRICT OF COLUMBIA RETIREMENT BOARD SCHEDULE OF REVENUE BY SOURCE <br> (\$ in thousands) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Year Ending | Member Contributions | Employer Contributions | Investment Income | Total |
| 2000 | \$ 39,931 | \$ 50,600 | \$ 257,289 | \$ 347,820 |
| 2001 | 40,879 | 49,200 | $(251,559)$ | $(161,480)$ |
| 2002 | 44,764 | 74,600 | $(165,540)$ | $(46,176)$ |
| 2003 | 45,914 | 68,900 | 302,116 | 416,930 |
| 2004 | 47,130 | 96,700 | 268,264 | 412,094 |
| 2005 | 48,582 | 121,300 | 372,848 | 542,730 |
| 2006 | 50,949 | 133,000 | 332,203 | 516,152 |

District of Columbia Retirement Board
Schedule of Revenue by Source


| DISTRICT OF COLUMBIA RETIREMENT BOARD <br> SCHEDULE OF EXPENSE BY TYPE <br> (\$ in thousands) |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Year <br> Ending | Benefit <br> Payments | Administrative <br> Expenses | Refunds | Total |
| 2000 | $\$ 3,800$ | $\$ 1,848$ | $\$-$ | $\$ 5,648$ |
| 2001 | 5,438 | 1,983 | - | 7,421 |
| 2002 | 7,022 | 2,434 | - | 9,456 |
| 2003 | 11,191 | 2,479 | - | 13,670 |
| 2004 | 16,503 | 2,479 | - | 18,982 |
| 2005 | 21,980 | 5,999 | 12,453 | 40,432 |
| 2006 | 28,900 |  | 10,688 | 42,415 |

District of Columbia Retirement Board
Schedule of Expenses by Type


SCHEDULE OF AVERAGE BENEFIT BY TYPE TEACHERS FUND (COMBINED DISTRICT AND FEDERAL)

| FISCAL <br> YEAR | RETIRED |  | BENEFICIARIES |  | DISABLED |  | TERMINATED | TOTAL |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Count | Benefit | Count | Benefit | Count | Benefit | Count | Benefit | Count |  |
| 2000 | 4,201 | $\$ 32,235$ | 425 | $\$ 14,138$ | 528 | $\$ 23,135$ | 0 | $\$$ | - | 5,154 |
| 2001 | 4,820 | 33,247 | 427 | 15,382 | 507 | 23,872 | 0 | - | 5,754 |  |
| 2002 | 4,396 | 33,742 | 445 | 15,739 | 493 | 24,078 | 0 | - | 5,334 |  |
| 2003 | 4,572 | 34,687 | 461 | 16,363 | 491 | 24,501 | 124 | 14,865 | 5,648 |  |
| 2004 | 4,802 | 25,497 | 454 | 16,514 | 475 | 24,891 | 191 | 16,168 | 5,922 |  |
| 2005 | 4,886 | 36,901 | 461 | 16,994 | 466 | 25,545 | 758 | 78,818 | 6,571 |  |
| 2006 | 4,907 | 38,250 | 457 | 17,843 | 455 | 26,204 | 981 | 7,977 | 6,800 |  |

SCHEDULE OF AVERAGE BENEFIT BY TYPE POLICE OFFICERS FUND (COMBINED DISTRICT AND FEDERAL)

## FISCAL

| YEAR | RETIRED |  | BENEFICIARIES |  | DISABLED |  | TERMINATED |  | TOTAL |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  | Count | Benefit | Count | Benefit | Count | Benefit | Count | Benefit | Count |  |
| 2000 | 3,080 | $\$ 37,310$ | 1,195 | $\$ 18,295$ | 1,397 | $\$ 33,930$ | - | $\$$ | - | 5,672 |
| 2001 | 3,133 | 38,678 | 1,187 | 19,325 | 1,367 | 34,043 | - | - | 5,687 |  |
| 2002 | 3,145 | 39,895 | 1,222 | 19,680 | 1,343 | 35,889 | - | - | 5,710 |  |
| 2003 | 3,142 | 41,938 | 1,256 | 20,838 | 1,315 | 36,229 | - | - | 5,713 |  |
| 2004 | 3,149 | 43,228 | 1,272 | 21,211 | 1,278 | 36,193 | 23 | 31,590 | 5,722 |  |
| 2005 | 3,153 | 45,303 | 1,263 | 22,109 | 1,258 | 38,067 | 213 | 10,685 | 5,887 |  |
| 2006 | 3,135 | 47,046 | 1,309 | 22,781 | 1,283 | 38,934 | 215 | 11,672 | 5,942 |  |

## SCHEDULE OF AVERAGE BENEFIT BY TYPE

FIRE FIGHTERS FUND (COMBINED DISTRICT AND FEDERAL)
FISCAL

| YEAR | RETIRED |  | BENEFICIARIES |  | DISABLED |  | TERMINATED |  | TOTAL |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  | Count | Benefit | Count | Benefit | Count | Benefit | Count | Benefit | Count |  |
| 2000 | 906 | $\$ 45,217$ | 500 | $\$ 20,624$ | 602 | $\$ 38,126$ | - | $\$$ | - | 2,008 |
| 2001 | 919 | 46,656 | 484 | 21,497 | 592 | 38,510 | - | - | 1,995 |  |
| 2002 | 916 | 48,274 | 492 | 21,812 | 571 | 41,690 | - | - | 1,979 |  |
| 2003 | 924 | 49,564 | 492 | 22,476 | 555 | 41,867 | - | - | 1,971 |  |
| 2004 | 926 | 50,762 | 495 | 23,020 | 532 | 42,786 | 2 | 14,734 | 1,955 |  |
| 2005 | 932 | 52,784 | 478 | 23,855 | 514 | 44,110 | 25 | 13,307 | 1,949 |  |
| 2006 | 933 | 55,019 | 491 | 24,638 | 500 | 45,363 | 29 | 11,153 | 1,953 |  |

## SCHEDULE OF PARTICIPANT DATA <br> TEACHERS RETIREMENT FUND

ACTIVE

|  | Hired Prior to <br> November <br> $\mathbf{1 , 1 9 9 6}$ | Hired After <br> November <br> $\mathbf{1 , 1 9 9 6}$ | Subtotal | Retired Members, <br> Beneficiaries and <br> Terminated Vested <br> (Post June 30, 1997) | Total |
| :--- | :---: | :---: | :---: | :---: | :---: |
| 2000 | 4,498 | 1,899 | 6,397 | 664 | 7,061 |
| 2001 | 4,009 | 2,694 | 6,703 | 829 | 7,532 |
| 2002 | 3,736 | 2,822 | 6,558 | 1,062 | 7,620 |
| 2003 | 3,306 | 2,839 | 6,145 | 1,659 | 7,804 |
| 2004 | 2,819 | 2,745 | 5,564 | 1,986 | 7,550 |
| 2005 | 2,454 | 3,253 | 5,707 | 2,397 | 8,104 |
| 2006 | 2,219 | 2,869 | 5,088 | 2,787 | 7,875 |

## SCHEDULE OF PARTICIPANT DATA

POLICE OFFICER AND FIRE FIGHTERS RETIREMENT FUND

|  | Hired Prior <br> February 15, <br> $\mathbf{1 9 8 0}$ | Hired Between <br> February 15, <br> $\mathbf{1 9 8 0}$ and <br> November 10, 1996 | Hired After <br> November 10 | Subtotal |  | Retired Members, <br> Beneficiaries and <br> Terminated Vested <br> (Post June 30, 1997) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2000 | 622 | 3,355 | 859 | 4,836 | 466 | Total |
| 2001 | 503 | 3,325 | 1,092 | 4,920 | 585 | 5,302 |
| 2002 | 453 | 3,164 | 1,199 | 4,816 | 678 | 5,505 |
| 2003 | 393 | 3,157 | 1,421 | 4,971 | 1,372 | 6,343 |
| 2004 | 299 | 3,078 | 1,809 | 5,186 | 1,004 | 6,190 |
| 2005 | 201 | 3,011 | 2,010 | 5,222 | 1,141 | 6,363 |
| 2006 | 158 | 2,933 | 2,165 | 5,256 | 1,301 | 6,557 |

## TOTAL RECIPIENTS BY BENEFIT TYPE

 (COMBINED DISTRICT AND FEDERAL)| FISCAL <br> YEAR | RETIRED | BENEFICIARIES | DISABLED | TERMINATED | TOTAL |
| :--- | :---: | :---: | :---: | :---: | :---: |
| 2000 | 8,187 | 2,120 | 2,527 | - | 12,834 |
| 2001 | 8,872 | 2,098 | 2,466 | - | 13,436 |
| 2002 | 8,457 | 2,159 | 2,407 | - | 13,023 |
| 2003 | 8,638 | 2,209 | 2,361 | 124 | 13,332 |
| 2004 | 8,877 | 8,971 | 2,221 | 2,285 | 216 |
| 2005 | 8,975 | 2,257 | 2,238 | 996 | 13,599 |
| 2006 |  |  |  | 1,225 | 14,407 |

Total Recipients by Benefit Type (Combined District and Federal)

Retired Disabled


Total


| DCRB ANNUAL SALARIES AND BENEFITS (\$ in millions) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Annual Salaries of Active Members |  |  |  | Annual Retirement Benefits for Retirees \& Beneficiaries (Post June 30, 1997) |  |  |
| Fiscal Year | Police Officers and Fire Fighters | Teachers | Total | Police Officers and Fire Fighters | Teachers | Total |
| 2000 | \$ 234 | \$ 320 | \$ 554 | \$ 2 | \$ 2 | \$ 4 |
| 2001 | 231 | 334 | 565 | 2 | 3 | 5 |
| 2002 | 253 | 241 | 494 | 3 | 5 | 8 |
| 2003 | 275 | 339 | 614 | 7 | 7 | 14 |
| 2004 | 288 | 339 | 627 | 8 | 11 | 19 |
| 2005 | 339 | 326 | 665 | 10 | 14 | 24 |
| 2006 | 351 | 322 | 673 | 13 | 16 | 29 |

## District of Columbia Retirement Board <br> Annual Salaries and Benefits




# \% Annual Financial Report 

FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 2006

## Volume 2



# Comprehensive Annual <br> Financial Report 

for the fiscal year ended September 30, 2006

## Volume 2

District of Columbia Retirement Board
900 7th Street, NW, 2nd Floor
Washington, DC 20001
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DCRB COMPREHENSIVE ANNUAL FINANCIAL REPORT

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## Table 1: Names and Addresses of the Board of Trustees

Lyle M. Blanchard<br>Greenstein Delorme \& Luchs<br>1620 L Street, NW, Suite 900<br>Washington, DC 20036<br>Barbara Davis Blum<br>900 7th Street, NW, Second Floor,<br>Washington, DC 20001<br>Mary A. Collins<br>Washington Teachers Union<br>1717 K Street, NW, Suite 902<br>Washington, DC 20036<br>Shireen L. Dodson<br>900 7th Street, NW, Second Floor,<br>Washington, DC 20001<br>\section*{Brian K. Lee}<br>1923 Vermont Avenue, NW<br>Washington, DC 20001<br>Lasana Mack<br>Office of Finance and Treasury<br>1275 K Street, NW<br>Suite 6000<br>Washington, D.C. 20005<br>Judith C. Marcus<br>900 7th Street, NW, Second Floor, Washington, DC 20001

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## George R. Suter

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Washington, DC 20001

## Thomas N. Tippett

900 7th Street, NW, Second Floor,
Washington, DC 20001

Michael J. Warren
900 7th Street, NW, Second Floor,
Washington, DC 20001

## State Street Bank Consolidated Financial Statements

| Consolidated Statement of Income |  | 2005 | 2004 |
| :---: | :---: | :---: | :---: |
| Years ended December 31, (Dollars in millions, except per share amounts) | 2006 |  |  |
| Fee Revenue: |  |  |  |
| Servicing fees | \$ 2,723 | \$ 2,474 | \$ 2,263 |
| Management fees | 943 | 751 | 623 |
| Trading services | 862 | 694 | 595 |
| Securities finance | 386 | 330 | 259 |
| Processing fees and other | 272 | 302 | 308 |
| Total fee revenue | 5,186 | 4,551 | 4,048 |
| Net Interest Revenue: |  |  |  |
| Interest revenue | 4,324 | 2,930 | 1,787 |
| Interest expense | 3,214 | 2,023 | 928 |
| Net interest revenue | 1,110 | 907 | 859 |
| Provision for loan losses | - | - | (18) |
| Net interest revenue after provision for loan losses | 1,110 | 907 | 877 |
| Gains on sales of available-for-sale investment securities, net | 15 | (1) | 26 |
| Gain on sale of Private Asset Management business | - | 16 | - |
| Total revenue | 6,311 | 5,473 | 4,951 |
| Operating Expenses: |  |  |  |
| Salaries and employee benefits | 2,652 | 2,231 | 1,957 |
| Information systems and communications | 501 | 486 | 527 |
| Transaction processing services | 496 | 449 | 398 |
| Occupancy | 518 | 484 | 514 |
| Total operating expenses | 4,540 | 4,041 | 3,759 |
| Income from continuing operations before income tax expense | 1,771 | 1,432 | 1,192 |
| Income tax expense from continuing operations | 675 | 487 | 394 |
| Income from continuing operations | 1,096 | 945 | 798 |
| Income (Loss) from discontinued operations | 16 | (165) | - |
| Income tax expense (benefit) from discontinued operations | 6 | (58) | - |
| Net income (loss) from discontinued operations | 10 | (107) | - |
| Net income | \$ 1,106 | \$ 838 | \$ 798 |
| Earnings Per Share From Continuing Operations: |  |  |  |
| Basic | \$ 3.31 | \$ 2.86 | \$ 2.38 |
| Diluted | 3.26 | 2.82 | 2.35 |
| Income (Loss) Per Share From Discontinued Operations: |  |  |  |
| Basic | \$ 03 | \$ (.33) | \$- |
| Diluted | 03 | (.32) | - |
| Earnings Per Share: |  |  |  |
| Basic | 3.34 | \$ 2.53 | \$ 2.38 |
| Diluted | 3.29 | 2.50 | 2.35 |
| Average Shares Outstanding (in thousands): |  |  |  |
| Basic | 331,350 | 330,361 | 334,606 |
| Diluted | 335,732 | 334,636 | 339,605 |

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

## Consolidated Statement of Condition

| As of December 31, | $\underline{2006}$ | $\underline{2005}$ |
| :---: | :---: | :---: |
| (Dollars in millions, except per share amounts) |  |  |
| Assets |  |  |
| Cash and due from banks | \$ 2,368 | \$2,684 |
| Interest-bearing deposits with banks | 5,236 | 11,275 |
| Securities purchased under resale agreements | 14,678 | 8,679 |
| Trading account assets | 785 | 764 |
| Investment securities available for sale 60,445 54,979 |  |  |
| Investment securities held to maturity (fair value of \$4,484 and \$4,815) | 4,547 | 4,891 |
| Loans and leases (less allowance of \$18 and \$18) | 8,928 | 6,464 |
| Premises and equipment (net of accumulated depreciation of \$2,415 and \$2,149) | 1,560 | 1,453 |
| Accrued income receivable | 1,617 | 1,364 |
| Goodwill | 1,384 | 1,337 |
| Other intangible assets | 434 | 459 |
| Other assets | 5,371 | 3,619 |
| Total assets | \$107,353 | \$97,968 |
| Liabilities |  |  |
| Deposits: |  |  |
| Noninterest-bearing | \$ 10,194 | \$9,402 |
| Interest-bearing-U.S | 1,272 | 2,379 |
| Interest-bearing-Non-U.S. | 54,180 | 47,865 |
| Total deposits | 65,646 | 59,646 |
| Securities sold under repurchase agreements | 19,147 | 20,895 |
| Federal funds purchased | 2,147 | 1,204 |
| Other short-term borrowings | 2,835 | 1,219 |
| Accrued taxes and other expenses | 3,143 | 2,632 |
| Other liabilities | 4,567 | 3,346 |
| Long-term debt | 2,616 | 2,659 |
| Total liabilities | 100,101 | 91,601 |
| Commitments and contingencies (Note 10) |  |  |
| Shareholders' Equity |  |  |
| Preferred stock, no par: authorized 3,500,000 shares; issued none |  |  |
| Common stock, \$1 par: authorized 500,000,000 shares; issued 337,126,000 and |  |  |
| 337,126,000 shares | 337 | 337 |
| Surplus | 399 | 266 |
| Retained earnings | 7,030 | 6,189 |
| Accumulated other comprehensive loss | (224) | (231) |
| Treasury stock, at cost (4,688,000 a nd 3,501,000 shares) | (290) | (194) |
| Total shareholders' equity | 7,252 | 6,367 |
| Total liabilities and shareholders' equity | \$107,353 | \$97,968 |

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


## Consolidated Statement of Cash Flows

| Years ended December 31, | 2006 | 2005 | 2004 |
| :---: | :---: | :---: | :---: |
| (In millions) |  |  |  |
| Operating Activities: |  |  |  |
| Net income | \$ 1,106 | \$ 838 | \$ 798 |
| Adjustments to reconcile net income to net cash provided by operating activities: |  |  |  |
| Non-cash adjustments for depreciation, amortization, accretion, provision for |  |  |  |
| loan losses and deferred income tax expense | 385 | 499 | 639 |
| Income (Loss) from discontinued operations | (16) | 165 | - |
| Gain on sale of divested business | - | (16) | - |
| Securities losses (gains), net | (15) | 1 | (26) |
| Change in trading account assets, net | (179) | (19) | (340) |
| Other, net | (300) | 1,015 | (655) |
| Net Cash Provided by Operating Activities | 981 | 2,483 | 416 |
| Investing Activities: |  |  |  |
| Net decrease in interest-bearing deposits with banks | 6,039 | 9,359 | 1,104 |
| Net decrease (increase) in federal funds sold and securities purchased under resale agreements | $(5,999)$ | 9,649 | $(8,777)$ |
| Proceeds from sales of available-for-sale securities | 3,571 | 3,299 | 8,035 |
| Proceeds from maturities of available-for-sale securities | 16,602 | 22,129 | 15,387 |
| Purchases of available-for-sale securities | $(23,920)$ | $(44,758)$ | $(23,408)$ |
| Proceeds from maturities of held-to-maturity securities | 1,590 | 1,132 | 1,107 |
| Purchases of held-to-maturity securities | $(1,246)$ | $(4,623)$ | (892) |
| Net (increase) decrease in loans | $(2,464)$ | $(1,801)$ | 451 |
| Proceeds from sale of divested business, | - | 16 | - |
| Business acquisitions, net of cash acquired | - | (43) | (100) |
| Purchases of equity investments and other long-term assets | (168) | (55) | (86) |
| Purchases of premises and equipment | (310) | (314) | (336) |
| Other | 114 | 58 | 60 |
| Net Cash Used in Investing Activities | $(6,191)$ | (5,952 ) | $(7,455)$ |
| Financing Activities: |  |  |  |
| Net (decrease) increase in time deposits | $(1,261)$ | $(5,341)$ | 3,569 |
| Net increase in all other deposits | 7,258 | 9,895 | 4,015 |
| Net decrease in short-term borrowings (653) (341) $(1,603)$ |  |  |  |
| Proceeds from issuance of long-term debt, net of issuance costs | - | 595 | - |
| Payments for long-term debt and obligations under capital leases | (16) | (370) | (9) |
| Proceeds from SPACES, net of issuance costs | - | 345 | - |
| Purchases of common stock | (368) | (664) | (178) |
| Proceeds from issuance of treasury stock for stock awards and options exercised | d 193 | 231 | 113 |
| Payments for cash dividends | (259) | (232) | (209) |
| Net Cash Provided by Financing Activities | 4,894 | 4,118 | 5,698 |
| Net Increase (Decrease) | (316) | 649 | $(1,341)$ |
| Cash and Due from Banks at Beginning of Year | 2,684 | 2,035 | 3,376 |
| Cash and Due from Banks at End of Year | \$ 2,368 | \$ 2,684 | \$ 2,035 |
| Supplemental Disclosure: |  |  |  |
| Interest paid | \$ 3,177 | \$ 1,965 | \$ 911 |
| Income taxes paid | 533 | 331 | 211 |
| Non-cash investments in capital leases and other premises and equipment | 109 | 9 | 235 |
| Non-cash acquisitions of investment securities available for sale | 1,464 | - | - |
| The accompanying notes are an integral part of these consolidated financial statements. |  |  |  |

## Notes to Consolidated Financial Statements

## Note 1. Summary of Significant Accounting Policies

The accounting and financial reporting policies of State Street Corporation conform to accounting principles generally accepted in the United States of America, or "GAAP." Unless otherwise indicated or unless the context requires otherwise, all references in these notes to consolidated financial statements to "State Street," "we," "us," "our" or similar references mean State Street Corporation and its subsidiaries on a consolidated basis. The parent company is a financial holding company headquartered in Boston, Massachusetts. We report two lines of business:

- Investment Servicing provides services for U.S. mutual funds and collective investment funds, corporate and public retirement plans, insurance companies, foundations, endowments and other investment pools worldwide. Products include custody, product-and participant-level accounting, daily pricing and administration; master trust and master custody; recordkeeping; foreign exchange, brokerage and other trading services; securities finance; deposit and short-term investment facilities; loans and lease financing; investment manager and hedge fund manager operations outsourcing; and performance, risk and compliance analytics to support institutional investors.
- Investment Management offers a broad array of services for managing financial assets, including investment management and investment research services, primarily for institutional investors worldwide. These services include passive and active U.S. and non-U.S. equity and fixed income strategies, and other related services, such as securities finance.
The preparation of consolidated financial statements requires management to make estimates and assumptions in the application of certain of our accounting policies that materially affect the reported amounts of assets, liabilities, revenue and expenses. As a result of unanticipated events or circumstances, actual results could differ from those estimates. The following is a summary of our significant accounting policies.


## Basis of Presentation:

Our consolidated financial statements include the accounts of the parent company and its majority-owned subsidiaries, including its principal banking subsidiary, State Street Bank and Trust Company, or "State Street Bank," as well as special purpose entities considered to be variable interest entities for which State Street is the primary beneficiary under existing accounting standards. All material inter-company transactions and balances have been eliminated. Certain previously reported amounts have been reclassified to conform to current year presentation.

We consolidate subsidiaries in which we hold a majority of the voting rights or exercise control. Investments in unconsolidated subsidiaries, recorded in other assets, are generally accounted for using the equity method of accounting if we have the ability to exercise significant influence over the operations of the investee. For investments accounted for under the equity method, our share of income or loss is recorded in processing fees and other revenue. Investments not meeting the criteria for equity method treatment are accounted for using the cost method of accounting.

## Foreign Currency Translation:

The assets and liabilities of our operations with functional currencies other than the U.S. dollar are translated at month-end exchange rates, and revenue and expenses are translated at rates that approximate average monthly exchange rates. Gains or losses from the translation of the net assets of subsidiaries with functional currencies other than the U.S. dollar, net of related taxes, are recorded in accumulated other comprehensive income.

## Cash and Cash Equivalents:

For purposes of the consolidated statement of cash flows, cash equivalents have been defined as cash and due from banks.

## Securities Purchased Under Resale Agreements and Securities Sold Under Repurchase Agreements:

U.S. Treasury and federal agency securities, or "U.S. government securities," purchased under resale agreements or sold under repurchase agreements are treated as collateralized financing transactions, and are recorded in the consolidated statement of condition at the amounts at which the securities will be subsequently resold or repurchased, plus accrued interest. Our policy is to take possession or control of securities underlying resale agreements, allowing borrowers the right of collateral substitution and/or short-notice termination. We revalue these securities daily to determine if additional collateral is necessary from the borrower to protect us against credit exposure. We can use these securities as collateral for repurchase agreements. For securities sold under repurchase agreements collateralized by our U.S. government securities portfolio, the dollar value of the U.S. government securities remains in investment securities in our consolidated statement of condition. Where a master netting agreement exists or both parties are members of a common clearing organization, resale and repurchase agreements with the same counterparty or clearing house and maturity date are reported on a net basis.

## Investment Securities Available for Sale and Held to Maturity:

Our investment securities portfolio principally includes debt securities purchased in connection with our asset and liability management activities. These securities are classified at the time of purchase, based on management's intentions, as available for sale or held to maturity. Securities available for sale are those that management intends to hold for an indefinite period of time, including securities used as part of our asset and liability management strategy that may be sold in response to changes in interest rates, prepayment risk, liquidity needs or other similar factors. Debt and marketable equity securities classified as available for sale are reported at fair value, and after-tax net unrealized gains and losses are reported in accumulated other comprehensive income, a component of shareholders' equity. Gains or losses on sales of available-for-sale securities are computed using the specific identification method.

Securities held to maturity are debt securities that management has the positive intent and ability to hold to maturity. Securities classified as held to maturity are reported at cost, adjusted for amortization of premiums and accretion of discounts.

Management reviews the fair value of the portfolio at least quarterly, and evaluates individual securities for declines in fair value that may be other than temporary, considering factors such as current and expected future interest rates, credit ratings, dividend payments, the financial health of the issuer and other pertinent information, including current developments with respect to the issuer, as well as the duration of the decline and management's intent and ability to hold the security. If declines are deemed other than temporary, an impairment loss is recognized and the amortized cost basis of the investment security is written down to its current fair value, which becomes the new cost basis. Other-than-temporary unrealized losses on available-for-sale and held-to-maturity securities, if any, are recorded as a reduction of processing fees and other revenue.

## Loans and Lease Financing:

Loans are generally reported at the principal amount outstanding, net of the allowance for loan losses, unearned income, and any net unamortized deferred loan origination fees. Interest revenue is recognized using the interest method or on a basis approximating a level rate of return over the term of the loan. Fees received for providing loan commitments and letters of credit that we anticipate will result in loans typically are deferred and amortized to interest revenue over the life of the related loan, beginning with the initial borrowing. Fees on commitments and letters of credit are amortized to processing fees and other revenue over the commitment period when funding is not known or expected.

Loans are placed on non-accrual status when they become 60 days past due as to either principal or interest, or earlier when, in the opinion of management, full collection of principal or interest is not probable. Loans 60 days past due, but considered both well secured and in the process of collection, are treated as exceptions and may be exempted from non-accrual status. When we place a loan on non-accrual status, the accrual of interest is discontinued and previously recorded but
unpaid interest is reversed and generally charged against net interest revenue. For loans on non-accrual status, revenue is recognized on a cash basis after recovery of principal, if and when interest payments are received.

Leveraged lease investments are reported at the aggregate of lease payments receivable and estimated residual values, net of non-recourse debt and unearned income. Lease residual values are reviewed regularly for other-than-temporary impairment, with valuation adjustments recorded currently against processing fees and other revenue. Unearned income is recognized to yield a level rate of return on the net investment in the leases. Gains and losses on residual values of leased equipment sold are recorded in processing fees and other revenue.

## Allowance for Loan Losses:

The adequacy of the allowance for loan losses is evaluated on a regular basis by management. Factors considered in evaluating the adequacy of the allowance include previous loss experience, current economic conditions and adverse situations that may affect the borrower's ability to repay, the estimated value of the underlying collateral and the performance of individual credits in relation to contract terms, and other relevant factors. The provision for loan losses charged to earnings is based upon management's judgment of the amount necessary to maintain the allowance at a level adequate to absorb estimated probable credit losses.

Loans are charged off to the allowance for loan losses in the reporting period in which either an event occurs that confirms the existence of a loss or it is determined that a loan or a portion of a loan is not collectible. Recoveries are recorded on a cash basis.

In addition, we maintain a reserve for off-balance sheet credit exposures that is recorded in other liabilities. The adequacy of this reserve is subject to the same considerations and review as the allowance for loan losses. Provisions to change the level of this reserve are recorded in other operating expenses.

## Premises and Equipment:

Buildings, leasehold improvements, computers, software and other equipment are carried at cost less accumulated depreciation and amortization. Depreciation and amortization recorded in operating expenses are
computed using the straight-line method over the estimated useful lives of the related assets or the remaining terms of the leases, generally 3 to 40 years. Maintenance and repairs are charged to expense as incurred, while major leasehold improvements are capitalized and expensed over their estimated useful lives or terms of the lease. For premises held under leases where we have an obligation to restore the facilities to their original condition upon expiration of the lease, we expense the anticipated related costs over the term of the lease.

Costs related to internal-use software development projects that provide significant new functionality are capitalized. We consider projects for capitalization that are expected to yield long-term operational benefits, such as applications that result in operational efficiencies and/or incremental revenue streams. Software customization costs relating to specific customer enhancements are expensed as incurred.

## Goodwill and Other Intangible Assets:

Goodwill represents the excess of the cost of an acquisition over the fair value of the net tangible and other intangible assets acquired. Other intangible assets represent purchased assets that can be distinguished from goodwill because of contractual rights or because the asset can be exchanged on its own or in combination with a related contract, asset or liability. Goodwill is not amortized, but is subject to annual impairment tests. Customer-list intangible assets generally are amortized on a straight-line basis over fifteen years, and the amortization is recorded in other operating expenses. Impairment of goodwill is deemed to exist if the carrying value of a reporting unit, including its allocation of goodwill and other intangible assets, exceeds its estimated fair value. Impairment of other intangibles is deemed to exist if the balance of the other intangible asset exceeds the cumulative net cash inflows related to the asset over its remaining estimated useful life. If it is determined, based on these reviews, that goodwill or other intangible assets are impaired, the value of the goodwill or the other intangible asset is written down through a charge to other operating expenses.

## Fee and Net Interest Revenue:

Fees from investment servicing, investment management, securities finance, trading services and certain
types of processing fees and other revenue are recorded based on estimates or specific contractual terms as transactions occur or services are rendered, provided that persuasive evidence exists, the price to the customer is fixed or determinable and collectibility is reasonably assured. Amounts accrued at period-end are recorded in accrued income receivable in our consolidated statement of condition. Investment management performance fees are recorded in arrears after the performance period ends, based on predetermined benchmarks associated with the applicable fund's performance. Interest revenue on interest-earning assets and interest expense on interest-bearing liabilities is recorded based on the effective yield of the related financial instrument.

## Employee Benefits Expense:

Employee benefits expense includes prior and current service costs of pension and other postretirement benefit plans, which are accrued on a current basis, as well as contributions under defined contribution savings plans, unrestricted awards under other employee compensation plans, and the amortization of restricted stock awards.

## Equity-Based Compensation:

We record compensation expense, equal to the estimated fair value of employee stock options on the grant date, on a straight-line basis over the options' vesting period. We use a Black-Scholes option-pricing model to determine the fair value of the options granted.

On January 1, 2006, we adopted Statement of Financial Accounting Standards, or "SFAS," No. 123 (revised 2004), Share-Based Payment. This new standard requires the fair value of all share-based payments to employees, including awards made prior to January 1, 2003, to be recognized in the consolidated statement of income. We elected to use the modified prospective method, under which compensation expense is recorded over the remaining vesting period for only the portion of stock awards not fully vested as of January 1, 2006. The impact of adoption of the new standard was not material to our consolidated financial condition or results of operations, because the number of options granted prior to January 1, 2003, that were not fully vested as of January 1, 2006, was not significant. In addition, we elected to adopt the alternative transition
method prescribed by Financial Accounting Standards Board, or "FASB," Staff Position FAS 123(R)-3, and reclassified $\$ 86$ million of tax benefits related to equitybased compensation from general surplus account to a specifically designated surplus account within shareholders' equity.

The following table illustrates the pro forma effect on net income and earnings per share as if all outstanding and unvested stock options in each period were accounted for using estimated fair value, for the years indicated.

| Years Ended December 31, | 2005 | 2004 |
| :---: | :---: | :---: |
| (In millions, except per share amounts) |  |  |
| Net income, as reported | \$ 838 | \$ 798 |
| Add: Stock option compensation expense included in reported net income, net of related taxes | 20 | 15 |
| Deduct: Total stock option compensation expense determined under fair value method for all awards, net of related taxes | d <br> $(27)$ | (42) |
| Pro forma net income | \$ 831 | \$ 771 |
| Earnings per share: |  |  |
| Basic—as reported | \$ 2.53 | \$ 2.38 |
| Basic—pro forma | 2.51 | 2.30 |
| Diluted—as reported | \$ 2.50 | \$ 2.35 |
| Diluted—pro forma | 2.48 | 2.27 |

## Income Taxes:

We use an asset and liability approach to account for income taxes. Our objective is to recognize the amount of taxes payable or refundable for the current year through charges or credits to the current tax provision, and to recognize deferred tax assets and liabilities for the future tax consequences resulting from temporary differences between the amounts reported in the consolidated financial statements and their respective tax bases. The measurement of tax assets and liabilities is based on enacted tax laws and applicable tax rates. A deferred tax valuation allowance is established if it is considered more likely than not that all or a portion of the deferred tax assets will not be realized.

## Earnings Per Share:

Basic earnings per share is calculated by dividing net income available to common shareholders by the weighted-average number of common shares outstanding for the period, which excludes unvested shares of restricted stock. Diluted earnings per share is calculated by dividing net income available to common shareholders by the weighted-average number of common shares outstanding for the period and the shares representing the dilutive effect of stock options and awards and other equity-related financial instruments. The effect of stock options and restricted stock outstanding is excluded from the calculation of diluted earnings per share in periods in which their effect would be antidilutive.

## Derivative Financial Instruments:

A derivative financial instrument is a financial instrument or other contract which has one or more underlying and one or more notional amounts, no initial net investment, or a smaller initial net investment than would be expected for similar types of contracts, and which requires or permits net settlement. Derivatives that we enter into include forwards, futures, swaps, options and other instruments with similar characteristics.

We record derivatives in our consolidated statement of condition at their fair value. On the date a derivative contract is entered into, we designate the derivative as: (1) a hedge of the fair value of a recognized fixed-rate asset or liability or of an unrecognized firm commitment (a "fair value" hedge); (2) a hedge of a forecasted transaction or of the variability of cash flows to be received or paid related to a recognized variable-rate asset or liability (a "cash flow" hedge); (3) a foreign currency fair value or cash flow hedge (a "foreign currency" hedge); (4) a hedge of a net investment in a non-U.S. operation; or (5) held for trading purposes ("trading" instruments).

Changes in the fair value of a derivative that is highly effective-and that is designated and qualifies as a fair value hedge-are recorded currently in processing fees and other revenue, along with the changes in fair value of the hedged asset or liability attributable to the hedged risk. Changes in the fair value of a derivative that is highly effective-and that is designated and qualifies as a cash flow hedge-are recorded, net of tax, in other
comprehensive income, until earnings are affected by the hedged cash flows ( e.g., when periodic settlements on a variable-rate asset or liability are recorded in earnings). Cash flow hedge ineffectiveness, defined as the extent to which the changes in fair value of the derivative exceed the variability of cash flows of the forecasted transaction, is recorded in processing fees a nd other revenue.

Changes in the fair value of a derivative that is highly effective-and that is designated and qualifies as a foreign currency hedge-are recorded currently either in processing fees and other revenue or in other comprehensive income, net of tax, depending on whether the hedge transaction meets the criteria for a fair value or a cash flow hedge. If, however, a derivative is used as a hedge of a net investment in a non-U.S. operation, its changes in fair value, to the extent effective as a hedge, are recorded, net of tax, in the foreign currency translation component of other comprehensive income. Lastly, entire changes in the fair value of derivatives classified as trading instruments are recorded in trading services revenue.

At both the inception of the hedge and on an ongoing basis, we formally assess and document the effectiveness of a derivative designated as a hedge in offsetting changes in the fair value of hedged items and the likelihood that the derivative will be an effective hedge in future periods. We discontinue hedge accounting prospectively when we determine that the derivative will not remain effective in offsetting changes in fair value or cash flows of the underlying risk being hedged, the derivative expires, terminates or is sold, or management discontinues the hedge designation.

Unrealized gains and losses on foreign exchange and interest-rate contracts are reported at fair value in the consolidated statement of condition as a component of other assets and other liabilities, respectively, on a gross basis, except where such gains and losses arise from contracts covered by qualifying master netting agreements.

## Recent Accounting Developments:

In September 2006, the FASB issued SFAS No. 158, Employers' Accounting for Defined Benefit Pension and Other Postretirement Plans-an amendment of FASB Statements No. 87, 88, 106 and 132(R). This new standard is intended to make it easier for financial statement
users to understand an employer's financial position and ability to meet the obligations of its benefit plans. The standard requires recognition in our consolidated statement of condition of the overfunded or underfunded status of our tax-qualified defined benefit pension plan, nonqualified retirement plans and postretirement benefit plans, which is the difference between the fair value of plan assets and the related b enefit obligations. The standard also requires the reclassification of the after-tax amount of any unrecognized actuarial gains and losses and unrecognized prior service costs to accumulated other comprehensive income, a component of shareholders' equity. In subsequent years, the after-tax amount of changes in unrecognized actuarial gains and losses, as well as unrecognized prior service costs, will be recorded in other comprehensive income.

The standard was effective as of December 31, 2006 for the recognition of our plans' funded status, and applies prospectively for the remaining provisions. Upon adoption of the standard, to recognize the aftertax difference between our plans' net funded status and the amounts currently recorded in the consolidated statement of condition, we recorded an after-tax reduction of accumulated other comprehensive income of approximately $\$ 164$ million. Disclosures required by the new standard are included in Note 17.

In September 2006, the FASB issued SFAS No. 157, Fair Value Measurements. This new standard defines fair value, establishes a framework for measuring fair value in conformity with GAAP, and expands disclosures about fair value measurements. Prior to this standard, there were varying definitions of fair value and limited guidance for applying those definitions under GAAP. In addition, the guidance was dispersed among the many accounting pronouncements that require fair value measurements. This standard is intended to increase consistency and comparability in fair value measurements and disclosures about fair value measurements. The provisions of this standard are effective beginning January 1, 2008. We are currently evaluating the potential impact of adoption of this standard on our consolidated financial position and results of operations.

In September 2006, the Securities and Exchange Commission issued Staff Accounting Bulletin, or "SAB," No. 108, Considering the Effects of Prior Year Misstatements When Quantifying Misstatements in

Current Year Financial Statements. SAB No. 108 provides interpretive guidance on how the effects of the carryover or reversal of prior year financial statement misstatements should be considered in quantifying a current year misstatement. The guidance provided by SAB No. 108 must be initially applied to financial statements for the year ended December 31, 2006. This guidance has not had any material impact on our consolidated financial condition or results of operations.

In July 2006, the FASB issued FASB Staff Position, or "FSP," No. FAS 13-2, Accounting for a Change or Projected Change in the Timing of Cash Flows Relating to Income Taxes Generated by a Leveraged Lease Transaction. The FSP, which must be applied as of January 1, 2007, requires that the recognition of lease income over the term of a lease be recalculated if there is a change in the expected timing of tax-related cash flows. The cumulative effect of applying the provisions of the FSP must be recorded as an adjustment to the beginning balance of retained earnings as of January 1, 2007. Our application of the FSP's provisions to certain of our leveraged leases resulted in an after-tax reduction of the beginning balance of retained earnings on January 1, 2007 of approximately $\$ 226$ million. Future revenue from the affected leases is expected to increase over the remaining terms of the affected leases by an amount approximately equal to the after-tax reduction.

In July 2006, to improve comparability in the reporting of income tax assets and liabilities in the absence of guidance in existing income tax accounting standards, the FASB issued Interpretation No. 48, Accounting for Uncertainty in Income Taxes-an interpretation of FASB Statement No. 109. Generally, this Interpretation clarifies the accounting for uncertainty in income taxes recognized in a company's financial statements in accordance with existing income tax accounting standards, and prescribes certain thresholds and attributes for the financial statement recognition and measurement of tax positions taken or expected to be taken in a tax return. The Interpretation must be applied as of January 1, 2007, and the cumulative effect of applying the Interpretation's provisions must be recorded as an adjustment of the beginning balance of retained earnings as of that date. Our application of the Interpretation's provisions t o our tax positions as of January 1, 2007 did not have a material impact on our
consolidated financial position or results of operations.
In April 2006, the FASB issued FSP No. FIN 46(R)-6, Determining the Variability to Be Considered in Applying FASB Interpretation No. 46(R). This FSP addresses how a reporting enterprise should determine the variability to be considered in applying FASB Interpretation No. 46 (revised December 2003), Consolidation of Variable Interest Entities, or "FIN 46(R)." The variability that is considered in applying FIN 46(R) affects the determination of (a) whether an entity is a variable interest entity, or "VIE;" (b) which interests are variable interests in a VIE; and (c) which party, if any, is the primary beneficiary of a VIE. This variability will affect any calculation of expected losses and expected residual returns, if such a calculation is necessary to determine the primary beneficiary of a VIE. The FSP was effective prospectively for all VIEs (including newly created VIEs) beginning July 1, 2006. Upon adoption, the FSP did not have a material impact on our consolidated financial position or results of operations.

In February 2006, the FASB issued SFAS No. 155, Accounting for Certain Hybrid Financial Instrumentsan amendment of FASB Statements No. 133 and 140. This standard amends SFAS No. 133, Accounting for Derivative Instruments and Hedging Activities, and SFAS No. 140, Accounting for Transfers and Servicing of Financial Assets and Extinguishment of Liabilities. The standard resolves certain previous implementation issues with respect to beneficial interests in securitized financial assets, and requires that these interests be evaluated to determine if they are free-standing derivatives, or if they are hybrid financial instruments that contain embedded derivatives requiring separate accounting. The standard also permits fair value re-measurement for any hybrid financial instrument that contains an embedded derivative that otherwise would require separation, and eliminates the prohibition concerning passive derivatives that a qualifying special purpose entity may hold. The standard is effective for all financial instruments acquired, issued or subject to re-measurement occurring on or after January 1, 2007. We do not anticipate that this standard will have a material impact on our consolidated financial position and results of operations.

## Note 2. Acquisitions and Divestitures

In February 2007, we announced a definitive agreement to acquire Investors Financial Services Corp., or "Investors Financial", a $\$ 12$ billion bank holding company based in Boston. Under the terms of the agreement, we will exchange .906 shares of our common stock for each share of Investors Financial common stock. The transaction, which is subject to customary conditions, including the approvals of Investors Financial shareholders and regulatory agencies, is expected to close in the third quarter of 2007, and will be accounted for as a purchase.

In January 2007, we announced a definitive agreement to acquire Currenex, Inc., an independently owned electronic foreign exchange trading platform. Under the terms of the agreement, we will acquire Currenex for approximately $\$ 564$ million in cash. The transaction, which is subject to customary conditions, including regulatory approvals, is expected to close in the first half of 2007, and will be accounted for as a purchase.

In 2005, we committed to a plan to divest our ownership interest in Bel Air Investment Advisors LLC, or "Bel Air," and at that time recorded a $\$ 165$ million discontinued operations charge and corresponding tax benefit of $\$ 58$ million. During 2006, we completed the divestiture and recorded income of approximately \$16 million, or $\$ 10$ million after-tax, related to the finalization of certain legal, selling and other costs recorded in connection with the divestiture. We have not reclassified Bel Air's results of operations for 2006, 2005 and 2004 to discontinued operations because these results were not material to State Street's consolidated results.

In 2003, we completed the sale of our Private Asset Management, or "PAM," business, and recorded a pretax gain of $\$ 285$ million at the time of the transaction. During 2005, as a result of the achievement of certain target levels of customer conversions to the buyer, we recognized an additional pre-tax gain of $\$ 16$ million from final settlement of the sale.

Note 3. Investment Securities


Aggregate investment securities carried at $\$ 23.28$ billion and $\$ 26.57$ billion at December 31, 2006 and 2005, respectively, were designated as pledged for public and trust deposits, short-term borrowings and for other purposes as provided by law.

Gross unrealized losses on investment securities on a pre-tax basis consisted of the following as of December 31, 2006:

| (In millions) | Less than 12 continuous months |  | 12 continuous months or longer |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Fair Value | Gross <br> Unrealized Losses | Fair Value | Gross <br> Unrealized <br> Losses | Fair Value | Gross Unrealized Losses |
| U.S. Treasury and federal agencies: |  |  |  |  |  |  |
| Direct obligations | \$ 524 | \$ 10 | \$ 7,524 | \$ 94 | \$ 8,048 | \$ 104 |
| Mortgage-backed securities | 3,048 | 66 | 7,102 | 197 | 10,150 | 263 |
| Asset-backed securities | 5,038 | 7 | 4,264 | 33 | 9,302 | 40 |
| Collateralized mortgage obligations | 1,703 | 9 | 5,400 | 111 | 7,103 | 120 |
| State and political subdivisions | 1,272 | 6 | 703 | 5 | 1,975 | 11 |
| Other debt investments | 1,382 | 9 | 665 | 14 | 2,047 | 23 |
| Other equity securities | 30 | - | 8 | 2 | 38 | 2 |
| Total | \$ 12,997 | \$107 | \$ 25,666 | \$ 456 | \$ 38,663 | \$ 563 |

As more fully described in Note 1, management periodically reviews the investment securities portfolio to determine if other-than-temporary impairment has occurred. This review encompasses all investment securities and includes such quantitative factors as current and expected future interest rates, the length of time the cost basis has exceeded the fair value and the severity of the impairment measured as the ratio of fair value to amortized cost, and includes all investment securities for which we have issuerspecific concerns regardless of quantitative factors. After a full review of all investment securities, taking into consideration current economic conditions, adverse situations that might affect our abil-
ity to fully collect interest and principal, the timing of future payments, the value of underlying collateral of assetbacked securities, and other relevant factors, management considers the aggregate decline in fair value and the resulting gross unrealized losses of $\$ 563$ million on 3,897 securities at December 31, 2006 to be temporary. The losses are primarily the result of rising interest rates over the course of 2005 and part of 2006, not the result of any material changes in the credit characteristics of the investment securities portfolio. Management has the ability and the intent to hold the securities until recovery in market value.

| (In millions) | 2006 | 2005 | 2004 |
| :---: | :---: | :---: | :---: |
| Gross gains | \$ 33 | \$ 9 | \$ 49 |
| Gross losses | 18 | 10 | 23 |
| Net gains (losses) | \$ 15 | \$ (1) | \$ 26 |

Maturities of debt investment securities were as follows as of December 31, 2006:

| (In millions) | Under 1 Year | $\begin{aligned} & 1 \text { to } 5 \\ & \text { Years } \end{aligned}$ | 6 to 10 <br> Years | Over 10 <br> Years |
| :---: | :---: | :---: | :---: | :---: |
| Available for Sale: |  |  |  |  |
| U.S. Treasury and federal agencies: |  |  |  |  |
| Direct obligations | \$ 4,684 | \$ 2,440 | \$ 488 |  |
| Mortgage-backed securities | 160 | 951 | 4,982 | \$ 5,361 |
| Asset-backed securities | 1,324 | 10,239 | 8,967 | 5,104 |
| Collateralized mortgage obligations | 142 | 1,892 | 3,231 | 3,211 |
| State and political subdivisions | 500 | 1,828 | 1,077 | 344 |
| Other investments | 996 | 1,285 | 731 | 15 |
| Total | \$ 7,806 | \$ 18,635 | \$ 19,476 | \$ 14,035 |
| Held to Maturity: |  |  |  |  |
| U.S. Treasury and federal agencies: |  |  |  |  |
| Direct obligations | \$ 95 | \$ 751 |  |  |
| Mortgage-backed securities | - | 22 | \$ 320 | \$ 742 |
| Collateralized mortgage obligations | - | 71 | 2 ,052 | 593 |
| Other investments | 76 | 96 | 85 | 3 |
| Total | \$ 171 | \$ 1,581 | \$ 1,457 | \$ 1,338 |

The maturities of asset-backed securities, mortgage-backed securities and collateralized mortgage obligations are based upon expected principal payments.

| Note 4. Loans and Lease Financing |  |  |
| :---: | :---: | :---: |
| (In millions) | 2006 | 2005 |
| Commercial and Financial: |  |  |
| U.S. | \$ 3,480 | \$ 2,298 |
| Non-U.S. | 3,137 | 1,854 |
| Lease Financing: |  |  |
| U.S. | 415 | 404 |
| Non-U.S. | 1,914 | 1,926 |
| Total loans. | 8,946 | 6,482 |
| Less allowance for loan losses | (18) | (18) |
| Net loans | \$8,928 | \$ 6,464 |

Aggregate securities settlement advances and overdrafts included in commercial and financial loans in the table above were $\$ 5.69$ billion and $\$ 3.41$ billion at December 31, 2006 and 2005, respectively.

The components of the net investment in leveraged leases were as follows as of December 31:

| (In millions) | 2006 |  | 2005 |
| :--- | ---: | ---: | ---: |
|  |  |  |  |
| Net rental income receivable | $\$ 3,272$ |  | $\$ 3,314$ |
| Estimated residual values | 196 |  | 215 |
| Unearned income | $\underline{(1,139)}$ |  | $\underline{(1,199)}$ |
| Investment in leveraged leases | $\underline{2,329}$ |  | $\underline{(1,779)}$ |
| Less related deferred income taxes | $\underline{\$ 550}$ | $\underline{\underline{(1,735)}}$ |  |
| Net investment in leveraged leases |  |  |  |

Changes in the allowance for loan losses were as follows for the years ended December 31:

| (In millions) | 2006 | 2005 | 2004 |
| :---: | :---: | :---: | :---: |
| Balance at beginning of year | \$ 18 | \$ 18 | \$ 61 |
| Provision for loan losses | - | - | (18) |
| Reclassification | - | - | (25) |
| Balance at end of year | \$ 18 | \$ 18 | \$ 18 |

During 2004, we reclassified $\$ 25$ million of the allowance for loan losses to other liabilities as a reserve for offbalance sheet commitments. Subsequent to the reclassification, the reserve for off-balance sheet commitments was reduced by $\$ 10$ million, which was recorded as a reduction of other operating expenses. Additionally, we reduced the allowance for loan losses by $\$ 18$ million through the provision for loan losses as a result of reduced credit exposures and improved credit quality.

## Note 5. Goodwill and Other Intangible Assets

Changes in the carrying amount of goodwill wereasfollows for the years ended December 31:

| (In millions) | Investment Servicing | Investment <br> Management | Total |
| :---: | :---: | :---: | :---: |
| Balance at December 31, 2004 | \$ 1,284 | \$ 213 | \$ 1,497 |
| Purchase price adjustmentsfrom prior periodacquisitions | 42 | 1 | 43 |
| Write-off of Bel Air goodwill | - | (144) | (144) |
| Reclassification of Bel Air goodwill | 62 | (62) | - |
| Translation adjustments | (58) | (1) | (59) |
| Balance at December 31, 2005 | 1,330 | 7 | 1,337 |
| Translation adjustments | 46 | 1 | 47 |
| Balance at December 31, 2006 | \$ 1,376 | \$ 8 | \$ 1,384 |

During 2005, we recorded $\$ 42$ million of goodwill related to the final settlement of our 2002 purchase of International Fund Services. In addition, we wroteoff $\$ 144$ million of goodwill as a result of the divestiture of our ownership interest in Bel Air, and reclassified $\$ 62$ million of goodwill related to Bel Air's broker/dealer business from Investment Management to Investment Servicing, which isthe line of business that records all other broker/dealer goodwill.

The gross carrying amount and accumulated amortization of other intangible assets were as follows as of December 31:

|  | 2006 |  |  | 2005 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Gross |  | Net | Gross |  | Net |
|  | Carrying | Accumulated | Carrying | Carrying | Accumulated | Carrying |
| (In millions) | Amount | Amortization | Amount | Amount | Amortization | Amount |
| Customer lists | \$ 564 | \$ (170) | \$ 394 | \$ 529 | \$ (118) | \$ 411 |
| Pension-related unrecognized |  |  |  |  |  |  |
| prior service costs. | - | - | - | 20 | - | 20 |
| Other | 50 | (10) | 40 | 33 | (5) | 28 |
| Total | \$ 614 | \$(180) | \$ 434 | \$ 582 | \$ (123) | \$ 459 |

Amortization expense relatedtoother intangible assets was $\$ 43$ million, $\$ 43$ million and $\$ 35$ million for the years ended December 31, 2006, 2005 and 2004, respectively. Expected amortization expense for intangibles held at December 31, 2006 is $\$ 42$ million for2007 through 2009, $\$ 41$ million for 2010, and \$39million for 2011.

## Note 6. Other Assets

| Other assets consisted of the following as of December 31: |  |  |
| :--- | ---: | ---: |
|  |  |  |
| (In millions) | $\underline{\mathbf{2 0 0 6}}$ | $\underline{\mathbf{2 0 0 5}}$ |
| Unrealized gains onderivative financialinstruments | $\$ 3,060$ | $\$ 2,114$ |
| Equity investmentsinunconsolidated subsidiaries | 336 | 315 |
| Prepaid pension expense | 53 | 187 |
| Other | 1,922 | 1,003 |
| Total | $\$ 5,371$ | $\$ 3,619$ |

## Note 7. Deposits

At December 31, 2006 and 2005, we had $\$ 16.74$ billion and $\$ 17.84$ billion, respectively, of time deposits outstanding. Non-U.S. time deposits were $\$ 6.80$ billion and $\$ 8.30$ billion at December 31, 2006 and 2005, respectively. Substantially all U.S. and non-U.S. time deposits were in amounts of $\$ 100,000$ or more. The scheduled maturities of time deposits were as follows at December 31, 2006:

| (In millions) |  |
| :---: | :---: |
| 2007. | \$ 16,557 |
| 2008 | 3 |
| 2009 ..................................................................................................................... | 165 |
| 2010 | 13 |
| 2011. | - |
| After 2011 ................................................................................................................ | - |
| Total | \$ 16,738 |
| At December 31, 2006, the scheduled maturities of U.S. time deposits were as follows: (In millions) |  |
| 3 months or less.................................................................................................... | \$ 9,717 |
| 4 months to a year ...................................................................................................... | 54 |
| Over one year............................................................................................................ | 170 |
| Total......................................................................................................................... | \$ 9,941 |

## Note 8. Short-Term Borrowings

Our short-term borrowings include securities sold under repurchase agreements, federal funds purchased and other short-term borrowings, including commercial paper. Collectively, short-term borrowings had weightedaverage interest rates of $4.46 \%$ and $2.82 \%$ for the years ended December 31, 2006 and 2005, respectively.

The following table reflects the amounts outstanding and weighted-average interest rates of the primary components of short-term borrowings as of and for the years ended December 31:

| (Dollars in millions) | Federal Funds Purchased |  |  | Securities Sold Under Repurchase Agreements |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2006 | 2005 | 2004 | 2006 | 2005 | 2004 |
| Balance at December 31, | \$2,147 | \$ 1,204 | \$ 435 | \$19,147 | \$20,895 | \$21,881 |
| Maximum outstanding at any month end | 8,040 | 3,982 | 5,500 | 23,024 | 24,690 | 26,773 |
| Average outstanding during the year | 2,777 | 2,306 | 2,891 | 20,883 | 22,432 | 22,989 |
| Weighted average interest rate at end of year | 5.18\% | 4.08\% | 1.75\% | 4.43\% | 3.79\% | 1.64\% |
| Weighted average interest rate during the year | 5.04 | 3.23 | 1.40 | 4.38 | 2.73 | 1.02 |

Securities sold under repurchase agreements included the following at December 31, 2006:

| (In millions) |  |
| :---: | :---: |
| Collateralized with securities purchased under resale agreements | \$ 10,517 |
| Collateralized with investment securities. | 8,630 |
| Total... | \$ 19,147 |

The obligations to repurchase securities sold are reco rded as a liability in our consoli dated statement of condition. U.S. government securities with a fair value of $\$ 8.79$ billion underlying the repurchase agreements remained in investment securities. Information about these U.S. government securities and the related repurchase agreements, including accrued interest, as of December 31, 2006, is presented in the following table. The table excludes repurchase agreements collateralized with securities purchased under resale agreements.

|  | U.S. Government <br> Securities Sold |  | Repurchase <br> Agreements |  |
| :---: | :---: | :---: | :---: | :---: |
| (Dollars in millions) |  |  |  |  |
|  | Amortized Cost | Fair Value | Amortized Cost | Rate |
| Overnight maturity. | \$ 8,917 | \$ 8,794 | \$ 8,632 | 4.43\% |

During 2005, we entered into an agreement with a clearing organization that enables us to net all securities purchased under resale agreements and sold under repurchase agreements with counterparties that are also members of this organization. As a result of netting, the average balances of securities purchased under resale agreements and securities sold under repurchase agreements were each reduced by $\$ 6.41$ billion for 2006 and $\$ 1.70$ billion for 2005 . Other short-term borrowings at December 31, 2006 included $\$ 1.5$ billion related to our tax-exempt investment programs, which were consolidated onto our statement of condition during 2006. These trusts, and the consolidation, are more fully discussed in Note 11.

We maintain a commercial paper program under which we can issue up to $\$ 3$ billion with original matu-
rities of up to 270 days from the date of issue. At December 31, 2006 and 2005, $\$ 998$ million and \$864 million, respectively, of commercial paper were outstanding. In addition, State

Street Bank currently has authority to issue bank notes up to an aggregate of $\$ 750$ million with original maturities ranging from 14 days to five years. At December 31, 2006 and 2005, no notes payable were outstanding, and at December 31, 2006, all $\$ 750$ million was available for issuance.State Street Bank currently maintains a line of credit of CAD $\$ 800$ million, or approximately $\$ 688$ million, to support its Canadian securities processing operations. The line of credit has no stated termination date and is cancelable by either party with prior notice. At December 31, 2006, no balance was due on this line of credit.

| Note 9. Long-Term Debt |  |  |
| :---: | :---: | :---: |
| (Dollars in millions) | $\underline{2006}$ | $\underline{2005}$ |
| Statutory business trusts: |  |  |
| 8.035\% subordinated notes due to State Street Capital Trust B in 2027 | \$ 309 | \$ 322 |
| 7.94\% subordinated notes due to State Street Capital Trust A in 2026 | 206 | 210 |
| Floating rate subordinated notes due to State Street Capital Trust I in 2028(2) | 155 | 154 |
| Parent company and non-bank subsidiary issuances: |  |  |
| Long-term capital lease | 501 | 515 |
| 7.65\% subordinated notes due 2010(1) | 294 | 295 |
| 7.35\% notes due 2026 | 150 | 150 |
| 9.50\%mortgage note due 2009 | 6 | 9 |
| State Street Bank issuances: |  |  |
| 5.25\% subordinated notes due 2018(1) | 96 | 405 |
| 5.30\% subordinated notes due 2016 | 399 | 399 |
| Floating rate subordinated notes due 2015(2) | 200 | 200 |
| Total long-term debt | \$2,616 | \$2,659 |

(1) We have entered into various interest-rate swap contracts to modify our interest expense on certain subordinated notes from a fixed rate to a floating rate. These swaps are recorded as fair value hedges, and at December 31, 2006 and 2005, we recorded a decrease of $\$ 9$ million and an increase of $\$ 18$ million, respectively, in the carrying value of long-term debt.
(2) We have entered into interest-rate swaps, which are recorded as cash flow hedges, to modify our floating-rate interest expense on the subordinated notes due 2028 and 2015 to a fixed rate. See Note 15 for additional information about derivatives.

We maintain an effective universal shelf registration that allows for the offering and sale of debt securities, capital securities, common stock, depositary shares and preferred stock, and warrants to purchase such securities, including any shares into which the preferred stock and depositary shares may be convertible, or any combination thereof. Statutory Business Trusts:

We have three statutory business trusts, State Street Capital Trusts A and B and State Street Capital Trust I, and as of both December 31, 2006 and 2005, these trusts collectively have issued $\$ 650$ million of cumulative semi-annual and quarterly income trust preferred capital securities.

Proceeds received by the trusts from their capitalization and from their capital securities issuances were invested in junior subordinated debentures issued by the parent company. The junior subordinated debentures are the sole assets of the trusts. The trusts are wholly-owned by us; however, we do not consolidate the trusts under existing accounting standards.

Payments made by the trusts on the capital securities are dependent on our payments made to the trusts on the junior subordinated debentures. Our fulfillment of these commitments has the effect of providing a full, irrevocable and unconditional guarantee of the trusts' obligations under the capital securities. While the capital securities are not recorded in our consolidated statement of condition, they continue to qualify as Tier 1 capital under federal regulatory capital guidelines. Information about restrictions on our ability to obtain funds from our subsidiary banks is in Note 14.

Interest paid on the debentures is recorded in interest expense. Distributions on the capital securities are payable from interest payments received on the debentures and are due semi-annually by State Street Capital Trusts A and B, and quarterly by State Street Capital Trust I, subject to deferral for up to five years under certain conditions. The capital securities are subject to mandatory redemption in whole at the stated maturity upon repayment of the debentures, with an option by us to redeem the debentures at any time upon the occurrence of certain tax events or changes to tax treatment, investment company regulation or capital treatment; or
at any time after March 15, 2007, for the Capital Securities B, after December 30, 2006, for the Capital Securities A, and after May 15, 2008, for the Capital Trust I securities. For State Street Capital Trusts A and $B$, redemption premiums are payable on a declining basis according to the terms of the trust agreements. All redemptions are subj ect to federal regulatory approval. Parent Company and Non-Bank Subsidiary Issuances:

At December 31, 2006 and 2005, $\$ 501$ million and $\$ 515$ million, respectively, were included in longterm debt related to the capital leases for One Lincoln Street and the One Lincoln Street parking garage. See Note 18 for additional information.

The $7.65 \%$ subordinated notes due 2010 qualify as Tier 2 capital under federal regulatory capital guidelines. The $7.35 \%$ notes are unsecured.

The $9.50 \%$ mortgage note was fully collateralized by property at December 31, 2005. The scheduled principal payments for the next three years are $\$ 3$ million for 2007 and 2008 and less than $\$ 1$ million for 2009, at which time the debt will be entirely paid off.

## State Street Bank Issuances:

State Street Bank currently has authority to issue up to an aggregate of $\$ 1$ billion of subordinated fixed-rate, floating-rate or zero-coupon bank notes with a maturity of five to fifteen years. With respect to the $5.25 \%$ subordinated bank notes due 2018, State Street Bank is required to make semi-annual interest payments on the outstanding principal balance of the notes on April 15 and October 15 of each year, and the notes qualify as Tier 2 capi tal under regulatory capita 1 guidelines.

With respect to the $5.30 \%$ subordinated notes due 2016 and the floating-rate subordinated notes due 2015, State Street Bank is required to make semi-annual interest payments on the outstanding principal balance of the $5.30 \%$ notes on January 15 and July 15 of each year beginning in July 2006, and quarterly interest payments on the outsta nding principal balance of the floating-r ate notes onMarch 8, June 8, September 8 and December 8 of each year beginning in March 2006. The notes qualify as Tier 2 capital under regulatory capital guidelines.

## Note 10. Commitments and Contingencies

Off-Balance Sheet Commitments and Contingencies:
Credit-related financial instruments include indemnified securities financing, unfunded commitments to extend credit or purchase assets and standby letters of credit. The total potential loss on unfunded commitments, standby and commercial letters of credit and securities finance indemnifications is equal to the total contractual amount, which does not consider the value of any collateral.
The following is a summary of the contractual amount of credit-related, off-balance sheet financial instruments at December 31. Amounts reported do not reflect participations to unrelated third parties.
(In millions)
Indemnified securities financing
Liquidity asset purchase agreements
Unfunded commitments to extend credit
Standby letters of credit

| 2006 | 2005 |  |
| ---: | ---: | ---: |
| 506,032 |  | $\$ 372,863$ |
| 30,251 |  | 24,412 |
| 6,354 |  | 14,403 |
| 4,926 |  | 5,027 |

On behalf of our customers, we lend their securities to creditworthy brokers and other institutions. In certain circumstances, we may indemnify our customers for the fair market value of those securities against a failure of the borrower to return such securities. Collateral funds received in connection with our securities finance services are held by us as agent and are not recorded in our consolidated statement of condition. We require the borrowers to provide collateral in an amount equal to or in excess of $100 \%$ of the fair market value of the securities borrowed. The borrowed securities are revalued daily to determine if additional collateral is necessary. We held, as agent, cash and U.S. government securities totaling $\$ 527.37$ billion and $\$ 387.22$ billion as collateral for indemnified securities on loan at December 31, 2006 and 2005, respectively.

Approximately $81 \%$ of the unfunded commitments to extend credit and liquidity asset purchase agreements expire within one year from the date of issue. Since many of the commitments are expected to expire or renew without being drawn upon, the total commitment amounts do not necessarily represent future cash requirements.

In the normal course of business, we provide liquidity and credit enhancements to asset-backed commercial paper programs, or "conduits." These conduits are more fully described in Note 11. The commercial paper issuances and commitments of the conduits to provide funding are supported by liquidity asset purchase agree-
ments and backup liquidity lines of credit, the majority of which are provided by us. In addition, we provide direct credit support to the conduits in the form of standby letters of credit. Our commitments under liquidity asset purchase agreements and backup lines of credit totaled $\$ 23.99$ billion at December 31, 2006, and are included in the preceding table. Our commitments understandby letters of credit totaled $\$ 1.01$ billion at December 31, 2006, and are also included in the preceding table.

Deterioration in asset performance or certain other factors may shift the asset risk from the commercial paper investors to us as the liquidity or credit enhancement provider. In addition, the conduits may need to draw upon the backup facilities to repay maturing commercial paper. In these instances, we would either acquire the assets of the conduits or make loans to the conduits secured by the conduits' assets. Potential losses, if any, from these conduits are not expected to materially affect our consolidated financial condition or results of operations.

In the normal course of business, we hold assets under custody and management in a custodial or fiduciary capacity. Management conducts regular reviews of its responsibilities in this regard and considers the results in preparing the consolidated financial statements. In the opinion of management, no contingent liabilities existed at December 31, 2006, that would have had a material adverse effect on State Street's consolidated financial position or results of operations.

## Legal Proceedings:

We are involved in various industry-related regulatory, governmental and law enforcement inquiries and subpoenas, as well as legal proceedings that arise in the normal course of business. In the opinion of management, after discussion with counsel, these regulatory, governmental and law enforcement inquiries and subpoenas, and legal proceedings can be successfully defended or resolved without a material adverse effect on our consolidated financial condition or results of operations.

## Tax Contingencies:

In the normal course of business, we are subject to challenges from U.S. and non-U.S. tax authorities regarding the amount of taxes due. These challenges may result in adjustments to the timing or amount of taxable income or deductions or the allocation of income among tax jurisdictions. During 2004, the U.S. Internal Revenue Service, or "IRS," completed its review of our federal income tax returns for tax years 1997, 1998 and 1999 and proposed to disallow tax deductions related to lease-in-lease-out, or "LILO," transactions. We believe that we reported the tax effects of these transactions properly, based on applicable statutes, regulations and case law in effect at the time they were entered into. During the second quarter of 2005, we filed an appeal with the IRS, which continues, with respect to their proposed disallowance of these tax deductions. In January 2007, a U.S. District Court found for the government in a LILO case involving another financial institution. The financial institution is appealing the decision. The IRS has indicated that it is reviewing its LILO settlement position in light of the outcome of this case. During 2005, the IRS announced that it had classified sale-in-lease-out, or "SILO," transactions as tax shelters, or "listed transactions." The IRS began its review of our tax returns for the years 2000-2003 during the second quarter of 2005, and is reviewing these SILO transactions. During the fourth quarter of 2006, the IRS proposed to disallow tax deductions related to certain SILO transactions. We believe that we reported the tax effects of these transactions properly, based on applicable statutes, regulations and case law in effect at the time they were entered into.

During 2006, we recorded an additional tax provision of approximately $\$ 46$ million to accrue for the
potential resolution of the above-described issues with the IRS. While it is unclear whether we will be able to reach an acceptable settlement with the IRS with respect to LILO transactions, management believes we are sufficiently accrued as of December 30, 2006 for tax exposures, including exposures related to LILO and SILO transactions, and related interest expense. In future periods, if management revises its evaluation of this tax position, the effect of the revision will be recorded in income tax expense in that period.

## Note 11. Securitizations and Variable Interest Entities

## Tax-Exempt Investment Programs:

In the normal course of business, we structure and sell certificated interests in pools of tax-exempt investmentgrade assets principally to mutual fund customers. We utilize trusts which are structured as qualifying special purpose entities, or " QSPEs," which, while not subject to the requireme nts of FIN $46(\mathrm{R})$, are governed by the accounting and reporting provisions of SFAS No. 140, Accounting for the Transfers and Servicing of Financial Assets and Extinguishments of Liabilities. We may also provide liquidity and remarketing services to the QSPEs. Historically, we transferred assets to these unaffiliated QSPEs from our investment securities portfolio at fair market value and treated such transfers as sales. The QSPEs financed the acquisition of these assets by selling certificated interests issued by the QSPE to thirdparty investors and we typically purchased a minority residual interest in these QSPEs.

During the third quarter of 2006, we determined that off-balance sheet accounting treatment for these trusts was not appropriate. As a result, we consolidated the trusts onto our consolidated statement of condition as of September 30, 2006, resulting in an increase in assets, composed of municipal securities available for sale, and liabilities, composed of other short-term borrowings, of approximately $\$ 1.5$ billion. In addition, we recorded a cumulative gain of $\$ 15$ million in trading services revenue for the quarter ended September 30, 2006. The consolidation of these trusts did not change the economic substance of the programs, and its impact was not material to consolidated financial statements of prior periods. The consolidation of the trusts is reported as a non-cash
acquisition of investment securities available for sale in our consolidated statement of cash flows.

The trusts had a weighted-average life of approximately 4.9 years at December 31, 2006, compared to approximately 6.2 years at December 31, 2005. Under separate agreements, we provide standby bond purchase agreements to most of these trusts, which obligate State Street to acquire the bonds at par value in the event that the re-marketing agent is unable to place the certificated interests of the trusts with investors. The standby bond purchase agreements are subject to early termination by State Street in the event of a shortfall in the required over-collateralization in the trust. As the primary standby bond purchase agreement provider, we are not obligated to acquire bonds in the event of the following credit events: payment default, bankruptcy of issuer or credit enhancement provider, imposition of taxability, or downgrade of an asset held by the trust below investment grade. Our commitments to the trusts under these standby bond purchase agreements totaled $\$ 1.68$ billion at December 31, 2006, none of which were utilized at period-end. In the event that our obligations under these agreements are triggered, no material impact to our consolidated financial condition or results of operations would occur, because the bonds are recorded in our consolidated statement of condition.

## Asset-Backed Commercial Paper Programs:

We established an asset-backed commercial paper program in 1992. Currently, we administer four third-party owned, special purpose, multi-seller asset-backed commercial paper programs, or "conduits," that purchase financial assets with various asset classifications from a var iety of third-parties. These conduits, which are structured as bankruptcy-remote limited liability companies, provide access to the efficiencies of the global commercial paper markets, which have historically offered an attractive cost of financing relative to bankbased borrowing. Asset purchases by the conduits are funded by issuing commercial paper, which is supported by liquidity asset purchase agreements and backup liquidity lines of credit, the majority of which are provided by us. In addition, we provide direct credit support to the conduits in the form of standby letters of credit. All fees are charged based on market price. The sellers continue to service the transferred assets and
absorb the first losses of the conduits by providing collateral in the form of excess assets also known as overcollaterization.

We hold no equity ownership in these conduits. These entities typically meet the definition of a variable interest entity as defined by FIN 46(R). We are not the primary beneficiary of these conduits, as defined by FIN 46(R), as a re sult of the issuance of subordinated notes by the conduits to third-party investors, and we do not record these conduits in our consolidated financial statements. At December 31, 2006 and 2005, total assets in unconsolidated conduits were $\$ 25.25$ billion and $\$ 17.90$ billion, respectively. Our off-balance sheet commitments to these conduits are disclosed in Note 10.

## Collateralized Debt Obligations:

We manage a series of collateralized debt obligations, or "CDOs." A CDO is a managed investment vehicle which purchases a portfol io of diversified highly-rated assets. A CDO funds purchases throu gh the issuance of several tranches of debt and equity, the repayment and return of which are linked to the performance of the assets in the CDO. Typically, our involvement is as collateral manager. We may also invest in a small percentage of the debt issued. These entities typically meet the definition of a variable interest entity as defined by FIN 46(R). We are not the primary beneficiary of these CDOs, as defined by FIN 46(R), and do not record these CDOs in our consolidated financial statements. At December 31, 2006 and 2005, total assets in these CDOs were $\$ 3.48$ billion and $\$ 2.73$ billion, respectively.

During 2005, we acquired and transferred $\$ 60$ million of investment securities from our available-forsale portfolio into a CDO. This transfer, which was executed at fair market value in exchange for cash, was treated as a sale. We did not acquire or transfer any investment securities to a CDO during 2006.

## Note 12. Shareholders' Equity

## Treasury Stock:

During the first quarter of 2006, we purchased 3 million shares of our common stock under a program authorized by our Board of Directors, or "Board," in 2005. On March 16, 2006, the Board authorized a new program for the purchase of up to 15 million shares of our com-
mon stock for general corporate purposes, including mitigating the dilutive impact of shares issued under employee benefit programs, and terminated the 2005 program. Under this new program, we purchased 2.8 million shares of our common stock during 2006, and as of December 31, 2006, 12.2 million s hares were available for purchase. We utilize third-party broker-dealers to acquire common shares on the open market in the execution of our stock purchase program.

In addition, shares may be acquired for other deferred compensation plans, held by an external trustee, that are not part of the common stock purchase program. As of December 31, 2006, on a cumulative basis, approximately 395,000 shares have been purchased and are held in trust. These shares are recorded as treasury stock in our consolidated statement of condition.

During 2006, 2005 and 2004, we purchased and recorded as treasury stock a total of 5.8 million shares, 13.1 million shares and 4.1 million shares, respectively, at an average historical cost per share of $\$ 63, \$ 51$ and $\$ 43$, respectively.

Accumulated Other Comprehensive (Loss) Income:

| (In millions) | 2006 | 2005 | 2004 |
| :---: | :---: | :---: | :---: |
| Foreign currency translation | \$ 197 | \$ 73 | \$213 |
| Unrealized gain (loss) on hedges of net investments in non-U.S. subsidiaries | (7) | 11 | (26) |
| Unrealized loss on available-for-sale securities | (227) | (285) | (56) |
| Minimum pension liability | (186) | (26) | (26) |
| Unrealized loss on cash flow hedges | (1) | (4) | (13) |
| Total | \$ (224) | \$ (231) | \$ 92 |

For the year ended December 31, 2006, we realized net gains of $\$ 15$ million on sales of available-forsale securities. Unrealized losses of $\$ 7$ million were included in other comprehensive income at December 31, 2005, net of deferred taxes of $\$ 4$ million, related to these sales.

For the year ended December 31, 2005, we realized net losses of $\$ 1$ million on sales of available -forsale securities. Unrealized gains of $\$ 1$ million were included in other comprehensive income at December 31, 2004, net of deferred taxes of less than $\$ 1$ million, related to these sales. For the year ended December 31, 2004, we realized net gains of $\$ 26$ million on sales of available-
forsale securities. Unrealized gains of $\$ 11$ million were included in other comprehensive income at December 31, 2003, net of deferred taxes of $\$ 7$ million, related to these sales.

## Note 13. Equity-Based Compensation

The 2006 Equity Incentive Plan was approved by shareholders in April 2006, and 20,000,000 shares of common stock were approved for issuance for stock and stock-based awards, including stock options, stock appreciation rights, restricted stock, deferred stock and performance awards. In addition, up to 8,000,000 shares from our 1997 Equity Incentive Plan, that were available to issue or become available due to cancellations and forfeitures, may be awarded under the 2006 Plan. The 1997 Plan expired on December 18, 2006. As of December 31, 2006, 1,305,420 shares from the 1997 Plan have been added to and may be awarded from the 2006 Plan. As of December 31, 2006, 106,045 awards have been made under the 2006 Plan. We have stock options outstanding from previous plans, including the 1997 Plan, under which no further grants can be made.

The exercise price of non-qualified and incentive stock options and stock appreciation rights may not be less than the fair value of such shares at the date of grant. Stock options and stock appreciation rights issued under the 2006 Plan and the prior 1997 Plan generally vest over four years and expire no later than ten years from the date of grant. For restricted stock awards issued under the 2006 Plan and the prior 1997 Plan, stock certificates are issued at the time of grant and recipients have dividend and voting rights. In general, these grants vest over three years. For deferred stock awards issued under the 2006 Plan and the prior 1997 Plan, no stock is issued at the time of grant. Generally, these grants vest over two-, three- or four-year periods. Performance awards granted under the 2006 Equity Incentive Plan and the prior 1997 Plan are earned over a performance period based on achievement of goals, generally over two- to threeyear periods. Payment for performance awards is made in shares of our common stock or in cash equal to the fair market value of our common stock, based on certain financial ratios after the conclusion of each performance period.

We record compensation expense, equal to the estimated fair value of the options on the grant date, on a
straight-line basis over the options' vesting period. We use a Black-Scholes option-pricing model to estimate the fair value of the options granted.

The weighted-average assumptions used in connection with the option-pricing model were as follows for the years indicated.

|  | 2006 |  | $\mathbf{2 0 0 5}$ |  | $\mathbf{2 0 0 4}$ |
| :--- | ---: | ---: | ---: | ---: | ---: |
|  |  | $1.41 \%$ |  | $1.85 \%$ |  |
| Dividend yield. | $26.50 \%$ |  | 28.70 |  | 27.10 |
| Expected volatility | 4.60 |  | 4.19 |  | 3.02 |
| Risk-free interest rate | 7.8 |  | 7.8 |  | 5.0 |

Compensation expense related to stock options, stock appreciation rights, restricted stock awards, deferred stock awards and performance awards, which we record as a component of salaries and employee benefits expense in our consolidated statement of income, was $\$ 208$ million, $\$ 110$ million and $\$ 74$ million for the years ended December 31, 2006, 2005 and 2004, respectively. The related total income tax benefit recorded in our consolidated statement of income was $\$ 83$ million, $\$ 44$ million and $\$ 30$ million for 2006, 2005 and 2004, respectively.

Information about the 2006 Plan and 1997 Plan as of December 31, 2006, and activity during the year then ended is presented below:

| (in millions) | Shares <br> (in thousands) | Weighted Average |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Weighted Average Exercise Price | Remaining Contractual Term (in years) | Aggregate <br> Intrinsic <br> Value |
| Stock Options and Stock Appreciation Rights: |  |  |  |  |
| Outstanding at December 31, 2005. | 23,956 | \$ 44.60 |  |  |
| Granted | 972 | 62.63 |  |  |
| Exercised | $(4,823)$ | 40.81 |  |  |
| Forfeited or expired. | (316) | 51.32 |  |  |
| Outstanding at December 31, 2006 | 19,789 | \$ 46.28 | 5.6 | \$ 419 |
| Exercisable at December 31, 2006 | 15,132 | \$ 44.84 | 4.8 | \$ 342 |

The weighted-average grant date fair value of options granted in 2006, 2005 and 2004 was $\$ 21.09, \$ 14.38$ and $\$ 13.17$, respectively. The total intrinsic value of options exercised during the years ended December 31, 2006, 2005 and 2004, was $\$ 102$ million, $\$ 56$ million and $\$ 45$ million, respectively.

As of December 31, 2006, total unrecognized compensation cost related to stock options and stock appreciation rights was $\$ 39$ million, which is expected to be recognized over a weighted-average period of 11 months.

Other stock awards and related activity consisted of the following for the year ended December 31, 2006:

| Restricted Stock Awards | Shares | Weighted-Average Grant Date Fair Value |
| :---: | :---: | :---: |
| (Shares in thousands) |  |  |
| Outstanding at December 31, 2005 | 378 | \$ 46.82 |
| Granted | 184 | 62.62 |
| Vested | (168) | 46.49 |
| Forfeited | (21) | 51.12 |
| Outstanding at December 31, 2006 | 373 | \$ 54.42 |

The weighted-average grant date fair value of restricted stock awards granted in 2005 and 2004 was $\$ 45.26$ and $\$ 51.39$ per share, respectively. The total fair value of restricted stock awards vested was $\$ 8$ million, $\$ 8$ million and $\$ 10$ million for 2006, 2005 and 2004, respectively. As of December 31, 2006, total unrecognized compensation cost related to restricted stock was $\$ 13$ million, which is expected to be recognized over a weightedaverage period of 11 months.

|  |  | Weighted- <br> Average |
| :--- | ---: | ---: | ---: |
| Grant Date |  |  |

The weighted-average grant date fair value of deferred stock awards granted in 2005 and 2004 was $\$ 43.40$ and $\$ 50.28$ per share, respectively. The total fair value of deferred stock awards vested was $\$ 56$ million, $\$ 14$ million and $\$ 51$ million for 2006, 2005 and 2004, respectively. As of December 31, 2006, total unrecognized compensation cost related to deferred stock awards was $\$ 149$ million, which is expected to be recognized over a weighted-average period of 14 months.

Weighted-
Average
Grant Date
Performance Awards
Shares Fair Value
(Shares in thousands)

| Outstanding at December 31, 2005 | 1,283 | $\$ 48.52$ |
| :--- | ---: | ---: |
| Granted | 959 | 59.87 |
| Forfeited | $(193)$ | 52.71 |
| Paid Out | $(160)$ | 52.78 |
| Outstanding at December 31, 2006 | 1,889 | $\$ 53.49$ |

The weighted-average grant date fair value of performance awards granted in 2005 and 2004 was $\$ 47.91$ and $\$ 50.35$ per share, respectively. The total fair value of performance aw ards paid out was $\$ 9$ million and $\$ 12$ million for 2006 and 2005, respectively. There were no payments made for performance awards in 2004, as the only program in place at that time paid out every other
year and 2004 was not a payout year. As of December 31, 2006, total unrecognized compensation cost related to performance awards was $\$ 38$ million, which is expected to be recognized over a weighted-average period of 23 months.

We generally utilize treasury shares to satisfy the issuance of stock under our equity incentive plans. We do not have a specific policy concerning purchases of our common stock to satisfy stock issuances, including exercises of options. We have a general policy concerning purchases of stock to meet common stock issuances under our employee benefit plans, including option exercises and other corporate purposes. Various factors determine the amount and timing of our purchases of our common stock, including our capital requirements, the number of shares we expect to issue under employee benefit plans, market conditions (including the trading price of our common stock), and legal considerations. These factors can change at any time, and there can be no assurance as to the number of shares of common stock we will purchase or when we will purchase them.

## Note 14. Regulatory Matters

## Regulatory Capital:

We are subject to various regulatory capital requirements administered by federal banking agencies. Failure to meet minimum capital requirements can initiate cert ain mandatory and discretionary actions by regulators that, if undertaken, could have a direct material effect on our consolidated financial condition. Under regulatory capital adequacy guidelines, we must meet specific capital requirements that involve quantitative measures of our consolidated assets, liabilities and off-balance sheet exposures as calculated under regulatory accounting practices. Our capital amounts and classification are subject to qualitative judgments by the regulators about components, risk weightings and other factors.
Quantitative measures established by regulation to ensure capital adequacy require State Street and State Street Bank to maintain minimum risk-based capital and leverage ratios as set forth in the following table. The risk-based capital ratios are Tier 1 capital and total capital divided by adjusted total riskweighted assets and market-risk equivalents, and the Tier 1 leverage ratio is

Tier 1 capital divided by adjusted quarterly average assets. As of December 31, 2006 and 2005, State Street and State Street Bank met all capital adequacy requirements to which they were subject.

As of December 31, 2006, State Street Bank was categorized as "well capitalized" under the regulatory framework. To be categorized as "well capitalized," State

Street Bank must exceed the "well capitalized" guideline ratios, as set forth in the table, and meet certain other requirements. State Street Bank exceeded all "well capitalized" requirements as of December 31, 2006 and 2005. There are no conditions or events since December 31, 2006 that management believes have changed the capital category of State Street Bank.

The regulatory capital ratios and related amounts were as follows as of December 31:

| (Dollars in millions) | Regulatory | Guidelines(1) | State Street |  | State Street Bank |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Well |  |  |  |  |
|  | Minimum | Capitalized | 2006 | 2005 | 2006 | 2005 |
| Risk-Based Ratios: |  |  |  |  |  |  |
| Tier 1 capital | 4 \% | 6 \% | 13.7\% | 11.7\% | 12.0 \% | 10.3\% |
| Total capital | 8 | 10 | 15.9 | 14.0 | 14.1 | 12.5 |
| Tier 1 leverage ratio | 4 | 5 | 5.8 | 5.6 | 5.6 | 5.4 |
| Shareholders' equity |  |  | \$ 7,252 | \$ 6,367 | \$ 6,769 | \$ 6,139 |
| Capital trust secu rities |  |  | 650 | 650 | - | - |
| Unrealized losses on available-for-sale securitio | rities |  | 227 | 285 | 2392 | 92 |
| Unrealized (gains) los ses on cash flow hedg |  |  | - | 4 | 163 | (10) |
| Recognition of pension plan funded status |  |  | 164 | - | - | - |
| Qualifying minority interest inconsolidated | subsidiaries |  | - | 2 | - | 2 |
| Less: |  |  |  |  |  |  |
| Goodwill |  |  | 1,384 | 1,337 | 1,297 | 1,247 |
| Other intangible assets |  |  | 434 | 459 | 401 | 438 |
| Other deductions |  |  | 2 | 1 | - | - |
| Tier 1 capital |  |  | 6,473 | 5,511 | 5,473 | 4,738 |
| Qualifying subordinated debt |  |  | 1,178 | 1,238 | 998 | 998 |
| Allowances for on- and off-balance |  |  |  |  |  |  |
| Unrealized gains on available-forsale |  |  |  |  |  | 6 |
| Tier 2 capital |  |  | 1,218 | 1,280 | 1,029 | 1,034 |
| Deduction for investments in |  |  |  |  |  |  |
| finance subsidiaries |  |  | (184) | (174) | (62) | (52) |
| Total capital |  |  | \$ 7,507 | \$ 6,617 | \$ 6,440 | \$ 5,720 |
| Adjusted total risk-weighted assets and market-risk equivalents: |  |  |  |  |  |  |
| On-balance sheet |  |  | \$ 31,447 | \$ 27,288 | \$ 30,000 | \$ 25,965 |
| Off-balance sheet |  |  | 15,371 | 19,586 | 15,375 | 19,602 |
| Market-risk equivalents |  |  | 395 | 361 | 394 | 351 |
| Total |  |  | \$ 47,213 | \$ 47,235 | \$ 45,769 | \$ 45,918 |
| Adjusted quarterly average assets |  |  | \$ 110,794 | $\underline{\text { \$ 98,970 }}$ | $\underline{\text { \$ 97,132 }}$ | \$ 87,667 |

(1) State Street Bank must meet the regulatory designation of "well capitalized" in order for us to maintain our status as a financial holding company, including maintaining a minimum Tier 1 risk-based capital ratio (Tier 1 capital divided by adjusted total risk-weighted assets and market-risk equivalents) of $6 \%$, a minimum total risk-based capital ratio (total capital divided by adjusted total risk-weighted assets and market-risk equivalents) of $10 \%$, and a Tier 1 leverage ratio (Tier 1 capital divided by adjusted quarterly average assets) of $5 \%$. In addition, Federal Reserve Regulation Y defines "well capitalized" for a bank holding company such as us for purposes of determining eligibility for a streamlined review process for acquisition proposals. For such Regulation Y purposes, "well capitalized" requires us to maintain a minimum Tier 1 risk-based capital ratio of $6 \%$ and a minimum total risk-based capital ratio of $10 \%$.

## Cash, Dividend, Loan and Other Restrictions:

During 2006, our bank subsidiaries were re quired by the Federal Reserve to maintain average cash reserve balances of $\$ 103$ million. In addition, federal and state banking regulations place certain restrictions on dividends paid by bank subsidiaries to a parent holding company. For 2007, a ggregate dividends by State Street Bank without prior regulatory approval are limited to approximately $\$ 766$ million of its undistributed earnings at December 31, 2006, plus an additional amount equal to its net profits, as defined, for 2007 up to the date of any dividend.

The Federal Reserve Act requires that extensions of credit by State Street Bank to certain affiliates, including the parent company, be secured by specific collateral, that the extension of credit to any one affiliate be limited to $10 \%$ of its capital and surplus (as defined), and that extensions of credit to all such affiliates be limited to $20 \%$ of its capital and surplus.

At December 31, 2006, consolidated retained earnings included $\$ 230$ million representing undistributed earnings of affiliates that are accounted for using the equity method.

## Note 15. Derivative Financial Instruments

We use derivatives to support customers' needs, conduct trading activities, and manage our interestrate and currency risk.
As part of our trading activities, we assume positions in both the foreign exchange and interest-rate markets by buying and selling cash instruments and using derivative financial instruments, including foreign exchange forward contracts, foreign exchange and interest-rate options, and interest-rate swaps. In the aggregate, long and short foreign exchange forward positions are matched closely to minimize currency and interest-rate risk. All foreign exchange contracts are valued daily at current market rates.

Interest-rate contracts involve an agreement with a counterparty to exchange cash flows based on the movement of an underlying interest-rate index. An interest-rate swap agreement involves the exchange of a series of interest payments, either at a fixed or variable rate, based upon the notional amount without the exchange of the underlying principal amount. An inter-est-rate option contract provides the purchaser, for a premium, the right, but not the obligation, to receive an interest rate based upon a predetermined notional value during a specified period. An interest-rate futures contract is a commitment to buy or sell, at a future date, a financial instrument at a contracted price; it may be settled in cash or through the delivery of the contracted instrument.

Foreign exchange contracts involve an agreement to exchange one currency for another currency at an agreed-upon rate and settlement date. Foreign exchange contracts consist of cross-currency swap agreements and foreign exchange forward and spot contracts.

The following table summarizes the contractual or notional amounts of derivative financial instruments held or issued for trading and asset and liability management as of December 31:

| (In millions) | $\underline{\mathbf{2 0 0 6}}$ | $\underline{\mathbf{2 0 0 5}}$ |
| :--- | ---: | ---: |
| Trading: |  |  |
| Interest-rate contracts: | $\mathbf{N} 1,011$ | $\$ 4,508$ |
| Swap agreements | 1,216 | 912 |
| Options and caps purchased | 3,224 | 2,564 |
| Options and caps written | 154 | 534 |
| Futures |  |  |
| Foreign exchange contracts: | 492,063 | 414,376 |
| Forward, swap and spot | 8,313 | 6,624 |
| Options purchased | 8,063 | 6,763 |
| Options written |  |  |
| Asset and Liability Management: | $.2,770$ | 5,369 |
| Interest-rate contracts: | 132 |  |
| Swap agreements |  |  |
| Foreign exchange contracts: |  |  |
| Swap agreements |  |  |

In connection with our asset and liability management activities, we have executed interest-rate swap agreements designated as fair value and cash flow hedges to manage interest-rate risk. The notional values of these interest-rate swap agreements and the related assets or liabilities being hedged were as follows at December 31:

|  | 2006 |  |  | 2005 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Fair Value <br> Hedges | Cash Flow Hedges | Total | Fair Value Hedges | Cash Flow Hedges | Total |
| Available-for-sale investment securities | \$ 1,452 |  | \$ 1,452 | \$ 2,211 |  | \$ 2,211 |
| Interest-bearing time deposits(1) | 118 | \$ 300 | 418 | 118 | \$ 1,490 | 1,608 |
| Long-term $\operatorname{debt}(2)(3)$ | 700 | 200 | 900 | 1,200 | 350 | 1,550 |
| Total | \$ 2,270 | \$ 500 | \$ 2,770 | \$ 3,529 | \$ 1,840 | \$ 5,369 |

(1) For the years ended December 31, 2006 and 2005, the overall weighted-average interest rate for interest-bearing time deposits was $5.02 \%$ and $3.23 \%$, respectively, on a contractual basis, and $3.52 \%$ and $3.19 \%$, respectively, including the effects of hedges.
(2) For the year ended December 31, 2006, the fair value hedges of long-term debt decreased the carrying value of long-term debt presented in our consolidated statement of condition by $\$ 9$ million and in the year ended December 31, 2005 it increased the value by $\$ 18$ million.
(3) For the years ended December 31, 2006 and 2005, the overall weighted-average interest rate for longterm debt was $6.72 \%$ and $6.58 \%$, respectively, on a contractual basis, and $6.77 \%$ and $5.63 \%$, respectively, including the effects of hedges.

For cash flow hedges, any changes in the fair value of the derivative financial instruments remain in accumulated other comprehensive income and are generally recorded in our consolidated statement of income in future periods when earnings are affected by the variability of the hedged cash flow. Hedge ineffectiveness recorded in processing fees and other revenue was not material in 2006, 2005 or 2004.

We have entered into foreign exchange forward contracts with an aggregate notional amount of 100 million, or approximately $\$ 132$ million, to hedge a portion of our net foreign investment in non-U.S.subsidiaries. As a result, approximately $\$ 18$ million of after-tax translation losses and $\$ 37$ million of aftertax translation gains for the years ended December 31, 2006 and 2005, respectively, on the hedge contracts were recorded in accumulated other comprehensive income.

Foreign exchange trading revenue related to foreign exchange contracts was $\$ 611$ million, $\$ 468$ million and $\$ 420$ million for the years ended December 31, 2006, 2005 and 2004, respectively. For other financial instrument contracts, recorded in trading services revenue were gains of $\$ 18$ million in 2006, gains of $\$ 4$ million in 2005 and losses of $\$ 25$ million in 2004. Future cash requirements, if any, related to foreign exchange contracts are represented by the gross amount of currencies to be exchanged under each contract unless we and the counterparty have agreed to pay or receive the net contractual settlement amount on the settlement date. Future cash requirements on other financial instruments are limited to the net amounts payable under the agreements.

## Note 16. Net Interest Revenue

| (In millions) | $\underline{2006}$ | $\underline{2005}$ | $\underline{2004}$ |
| :---: | :---: | :---: | :---: |
| Interest Revenue: |  |  |  |
| Deposits with banks | \$ 414 | \$ 529 | \$ 591 |
| Investment securities: |  |  |  |
| U.S. Treasury and federal agencies | 1,011 | 866 | 536 |
| State and political subdivisions (exempt from federal tax) | 88 | 58 | 57 |
| Other investments | 1,830 | 873 | 277 |
| Securities purchased under resale agreements and federal funds sold | 663 | 412 | 196 |
| Commercial and financial loans | 205 | 106 | 59 |
| Lease financing | 65 | 65 | 57 |
| Trading account assets | 48 | 21 | 14 |
| Total interest revenue | 4,324 | 2,930 | 1,787 |
| Interest Expense: |  |  |  |
| Deposits | 1,891 | 1,132 | 512 |
| Other short-term borrowings | 1,145 | 753 | 315 |
| Long-term debt | 178 | 138 | 101 |
| Total interest expense | 3,214 | 2,023 | 928 |
| Net interest revenue | \$ 1,110 | \$ 907 | \$ 859 |

## Note 17.Employee Benefits

State Street Bank and certain of its U.S. subsidiaries participate in a non-contributory, tax-qualified defined benefit pension plan. In addition to this primary plan, we have non-qualified unfunded supplemental retirement plans, or "SERPs," that provide certain officers with defined pension benefits in excess of allowable qualified plan limits. Non-U.S. employees participate in local defined benefit plans.

State Street Bank and certain of its U.S. subsidiaries participate in a post-retirement plan that provides health care and insurance benefits for retired employees.

Combined information for the U.S. and non-U.S. defined benefit plans, and information for the postretirement plan, is as follows as of the December 31 measurement date:

|  | Primary U.S. and Non-U.S. Defined Benefit Plans |  | Post-Retirement Plan |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 2006 | 2005 | 2006 | 2005 |
| Benefit Obligations: |  |  |  |  |
| Beginning of year | \$ 759 | \$650 | \$79 | \$ 72 |
| Service cost | 59 | 50 | 4 | 4 |
| Interest cost. | 39 | 35 | 5 | 4 |
| Employee Contributions | 1 | - | - | - |
| Transfers in | - | 27 | - | - |
| Actuarial losses/(gains) | (4) | 62 | 9 | 4 |
| Benefits paid | (47) | (45) | (7) | (5) |
| Expenses paid. | (1) | (2) | - | - |
| Special termination benefits | - | 1 | - | - |
| Foreign currency translation | 27 | (19) | - | - |
| End of year | \$ 833 | \$759 | \$90 | \$ 79 |
| Plan Assets at Fair Value: |  |  |  |  |
| Beginning of year | \$ 706 | \$592 |  |  |
| Actual return on plan assets | 84 | 63 |  |  |
| Employer contributions | 57 | 98 | \$ 6 | \$ 5 |
| Transfers in | $-13$ |  |  |  |
| Benefits paid | (47) | (45) | (6) | (5) |
| Expenses paid | (1) | (2) |  |  |
| Foreign currency translation | 22 | (13) |  |  |
| End of year | \$ 821 | \$706 | \$ - | \$ - |
| Accrued Benefit Expense: |  |  |  |  |
| Funded status (plan assets less benefit obligations) | \$ (12) | \$ (53) | \$ (90) | \$ (79) |
| Transition obligation | N/A | - | N/A | 6 |
| Net actuarial loss | N/A | 263 | N/A | 22 |
| Prior service credit | N/A | (23) | N/A | - |
| Net prepaid (accrued) benefit expense | \$ (12) | \$ 187 | \$(90) | \$(51) |

N/A—Disclosure not applicable for period indicated as a result of the adoption of SFAS No. 158.

|  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |


| Expected benefit payments for the next ten years are as follows: |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Primary U.S. and |  |  |
|  | Non-U.S. Defined | Non-Qualified | Post-Retirement |
| (In millions) | Benefit Plans | SERPs | Plan |
| 2007 | \$ 43 | \$ 7 | \$ 8 |
| 2008 | 32 | 6 | 8 |
| 2009 | 29 | 5 | 7 |
| 2010 | 29 | 6 | 7 |
| 2011 | 28 | 10 | 7 |
| 2012-2016 | 153 | 37 | 32 |

The accumulated benefit obligation for all of our U.S. defined benefit pension plans was $\$ 613$ million and $\$ 581$ million at December 31, 2006, and 2005, respectively.

To develop the assumption of the expected long-term rate of return on plan assets, we considered the historical returns and the future expectations for returns for each asset class, as well as the target asset allocation of the pension portfolio. This analysis resulted in the determination of the assumed long-term rate of return on plan assets of $8.00 \%$ for the year ended December 31, 2006.

For the tax-qualified U.S. defined benefit pension plan, the asset allocation as of December 31, 2006 and 2005, and the strategic target allocation for 2007, by asset category, were as follows:

## ASSET CATEGORY

|  | Strategic Target Allocation | Percentage of Plan <br> Assets at December 31, |  |
| :---: | :---: | :---: | :---: |
|  | 2007 | 2006 | 2005 |
| Equity securities | 45\% | 46\% | 59\% |
| Fixed income securities | 45 | 45 | 29 |
| Other | 10 | 9 | 12 |
| Total | 100\% | 100\% | 100\% |

The preceding strategic target asset allocation was last amended effective July 31, 2006. Consistent with that target allocation, the plan should generate a real return above inflation, and superior to that of a benchmark index consisting of a combination of appropriate capital markets indices weighted in the same proportions as the plan's strategic target asset allocation. Equities included domestic and international publicly-traded common, preferred and convertible securities. Fixed income securities included domestic and international corporate and government debt securities, as well as asset-backed securities and private debt. The "other" category included real estate, alternative investments and cash and cash equivalents. Derivative financial instruments are an acceptable alternative to investing in these types of securities, but may not be used to leverage the plan's portfolio.

Expected employer contributions to the tax-qualified U.S. defined benefit pension plan, SERPs and postretirement plan for the year ending December 31, 2007 are $\$ 14$ million, $\$ 7$ million and $\$ 8$ million, respectively.

State Street has unfunded S ERPs that provide certain officers with defined pension benefits in excess of qualified plan limits imposed by U.S. federal tax law. Information for the SERPs was as follows for the years ended December 31:

|  | Non-Qualified SERPs |  |
| :---: | :---: | :---: |
| (In millions) | 2006 | $\underline{2005}$ |
| Benefit Obligations: |  |  |
| Beginning of year.. | \$ 107 | \$ 99 |
| Service cost | 6 | 4 |
| Interest cost. | 7 | 5 |
| Actuarial loss. | 24 | 11 |
| Benefits paid | (6) | (8) |
| Settlements | - | (8) |
| Plan amendments.. | 4 | 4 |
| End of year | \$ 142 | \$ 107 |
| Accrued Benefit Expense: |  |  |
| Funded status (plan assets less benefit obligations) | \$ (142) | \$ (107) |
| Net actuarial loss.. | N/A | 39 |
| Prior service cost... | N/A | 17 |
| Net accrued benefit expense. | \$ (142) | \$ (51) |
| Amounts Recognized in the Consolidated Statement of Condition: |  |  |
| Accrued benefit liability | N/A | \$ (78) |
| Intangible assets | N/A | 20 |
| Accumulated other comprehensive loss. | N/A | 7 |
| Non-current assets. | - | N/A |
| Current liabilities.. | \$ (7) | N/A |
| Non-current liabilities. | (135) | N/A |
| Net accrued amount recognized in statement of condition | \$ (142) | \$ (51) |
| Amounts Recognized in Accumulated Other Comprehensive Income: |  |  |
| Initial net obligation | - | N/A |
| Prior service cost | \$ (19) | N/A |
| Net loss | (59) | N/A |
| Accumulated other comprehensive loss. | \$ (78) | N/A |
| Cumulative employer contributions in excess of net periodic benefit cost | (64) | N/A |
| Net obligation recognized in statement of condition. | \$ (142) | N/A |
| Determination of Adjustment related to adoption of SFAS No. 158: |  |  |
| Liability before adoption of the funded status provisions of SFAS No. 158 | \$ 32 | \$ 27 |
| Actual intangible asset. | 18 | 20 |
| Accumulated other comprehensive loss before adoption of funded status recognition provisions of SFAS No. 158 |  |  |
| Transition obligation after adoption of the funded status provisions of SFAS No. 158 | - | N/A |
| Prior service cost | 19 | N/A |
| Net loss | 59 | N/A |
| Accumulated other comprehensive loss after adoption of funded status recognition provisions of SFAS No. 158 | \$ 78 | N/A |
| Increase in accumulated other comprehensive loss, before taxes, to $r$ |  |  |
| Accumulated benefit obligation. | \$ 96 | \$ 78 |
| Actuarial assumptions: |  |  |
| Assumptions used to determine benefit obligations and periodic benefit costs are con those noted for the post-retirement plan, with the following exception: |  |  |
| Rate of increase for future compensation | 4.75\% | 4.75\% |

N/A—Disclosure not applicable for period indicated as a result of the adoption of SFAS No. 158.

For those defined benefit plans that had accumulated benefit obligations in excess of plan assets as of December 31, 2006 and 2005, the accumulated benefit obligations were $\$ 326$ million and $\$ 262$ million, respectively, and the plan assets were $\$ 200$ million and $\$ 163$ million, respectively.

For those defined benefit plans that had projected benefit obligations in excess of plan assets as of December 31, 2006 and 2005, the projected benefit obligations were $\$ 411$ million and $\$ 866$ million, respectively, and the plan assets were $\$ 204$ million and $\$ 706$ million, respectively.

If trend rates in health care costs were increased by
$1 \%$, the post-retirement benefit obligation as of December 31, 2006, would have increased 7\%, and the aggregate expense for service and interest costs for 2006 would have increased $13 \%$. Conversely, if trend rates in health care costs were reduced by $1 \%$, the post-retirement benefit obligation as of December 31, 2006, would have decreased $6 \%$, and the aggregate expense for service and interest costs for 2006 would have decreased 11\%.

The following table presents the actuarially determined expense (income) for our U.S. and non-U.S. defined benefit plans, SERPs and post-retirement plan for the years ended December 31:

| (In millions) | Primary U.S. and Non-U.S. Defined Benefit Plans |  |  | Post-Retirement Plan |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\underline{2006}$ | 2005 | 2004 | 2006 | 2005 | 2004 |
| Components of Net Periodic Benefit Cost: |  |  |  |  |  |  |
| Service cost | \$ 59 | \$ 50 | \$ 41 | \$ 4 | \$ 3 | \$ 3 |
| Interest cost | 39 | 35 | 32 | 5 | 4 | 4 |
| Assumed return on plan assets | (53) | (45) | (40) | - | - | - |
| Amortization of transition obligation (asset) | - | - | (1) | 1 | 1 | 1 |
| Amortization of prior service cost . | (2) | (2) | (2) | - | - | - |
| Amortization of net loss | 17 | 15 | 16 | 2 | 1 | 1 |
| Net periodic benefit cost | 60 | 53 | 46 | 12 | 9 | 9 |
| Special Events Accounting Expense: |  |  |  |  |  |  |
| Special termination benefits | - | 1 | - | - | - | - |
| Special events accounting expense | - | 1 | - | - | - | - |
| Total expense | \$ 60 | \$ 54 | \$ 46 | \$ 12 | \$ 9 | \$ 9 |
| Estimated amounts that will be amortized from accumulated other comprehensive income over the next fiscal year: |  |  |  |  |  |  |
| Initial net asset | - |  |  | \$ (1) |  |  |
| Prior service credit | \$ 2 |  |  | - |  |  |
| Net loss | (14) |  |  | (1) |  |  |
| Estimated amortization | \$ (12) |  |  | \$ (2) |  |  |
|  |  |  |  | Non-Qualified SERPs |  |  |
| (In millions) |  |  |  | 2006 | 2005 | 2004 |
| Components of Net Periodic Benefit Cost: |  |  |  |  |  |  |
| Service cost |  |  |  | \$ 6 | \$ 4 | \$ 5 |
| Interest cost |  |  |  | 7 | 5 | 6 |
| Amortization of prior service cost |  |  |  | 2 | 2 | 1 |
| Amortization of net loss |  |  |  | 4 | 2 | 2 |
| Net periodic benefit cost |  |  |  | \$ 19 | \$ 13 | \$ 14 |
| Special Events Accounting Expense: |  |  |  |  |  |  |
| Settlements |  |  |  | - | 2 | 1 |
| Special events accounting expense |  |  |  | - | 2 | 1 |
| Total expense |  |  |  | \$ 19 | \$ 15 | \$ 15 |
| Estimated amounts that will be amortized from accumulated other comprehensive income over the next fiscal year: |  |  |  |  |  |  |
| Initial net obligation |  |  |  | - |  |  |
| Prior service cost |  |  |  | \$ (2) |  |  |
| Net loss |  |  |  | (4) |  |  |
| Estimated amortization |  |  |  | \$ (6) |  |  |

Certain of our U.S. employees are e ligible to contribute a portion of their pre-tax salary to a $401(\mathrm{k})$ savings plan and an Employee Stock Ownership Plan, or "ESOP." Our matching portion of these contributions is paid in cash, and the related expense was $\$ 20$ million for 2006, $\$ 21$ million for 2005 and $\$ 16$ million for 2004. In addition, employees in certain non-U.S. offices participate in other local plans. Expenses related to these plans were $\$ 32$ million, $\$ 39$ million and $\$ 31$ million for 2006, 2005 and 2004, respectively.

The ESOP is a non-leveraged plan. Compensation cost is equal to the contribution called for by the plan formula and is equal to the cash contributed for the purchase of shares on the open market or the fair value of the shares contributed from trea sury stock. Dividends on share $s$ held by the ESOP are charged to retained earnings, and shares are treated as outstanding for purposes of calculating earnings per share.

## Note 18. Occupancy Expense and Information Systems and C ommunications Expense

Occupancy expense and information systems and communications expense included expense for depreciation of buildings, leasehold improvements, computers, e quipment and furniture and fixtures. Total depreciation expense for the years ended December 31, 2006, 2005 and 2004 was $\$ 309$ million, $\$ 315$ million and $\$ 301$ million, respectively.

As of December 31, 2006, accumulated amortization of assets under capital leases was $\$ 83$ million. Amortization of assets recorded under capital leases and the costs of operating leases for office space are recorded in occupancy expense. The costs of operating leases related to computers and equipment are recorded in information systems and communications expense.

The following is a summary of future minimum lease payments under non-cancelable capital and operating leases as of December 31, 2006:

| (In millions) | Capital Leases | Operating Leases | Total |
| :---: | :---: | :---: | :---: |
| 2007 | \$ 51 | \$ 148 | \$ 199 |
| 2008 | 52 | 137 | 189 |
| 2009 | 52 | 110 | 162 |
| 2010 | 52 | 98 | 150 |
| 2011 | 52 | 58 | 110 |
| Thereafter | 615 | 451 | 1,066 |
| Total minimum lease payments | 874 | \$ 1,002 | \$ 1,876 |
| Less amount representing interest payments | (373) |  |  |
| Present value of minimum lease payments | \$ 501 |  |  |

We lease approximately 865,000 square feet at One Lincoln Street, an office building located in Boston, Massachusetts, and a related 366,000 square-foot underground parking garage, under 20-year, non-cancelable capital leases expiring in September 2023. As of December 31, 2006 and 2005, an aggregate net book value of $\$ 447$ million and $\$ 474$ million, respectively, for the capital leases was recorded in premises and equipment in our consolidated statement of condition, and the related liability was recorded in long-term debt. Capital lease asset amortization is recorded in occupancy expense over the lease terms. Lease payments are recorded as a reduction of the liability, with a portion recorded as imputed interest expense. For the years ended December 31, 2006 and 2005, interest expense related to these capital lease obligations, recorded in net interest revenue, was $\$ 37$ million and $\$ 38$ million, respectively.

We have entered into non-cancelable operating leases for premises and equipment. Future minimum rental commitments in the preceding table have been reduced by aggregate sublease rental commitments of $\$ 151$ million for operating leases and $\$ 64$ million for capital leases. Nearly all leases include renewal options.

Total rental expense amounted to $\$ 179$ million, $\$ 181$ million and $\$ 190$ million in 2006, 2005 and 2004,respectively. Rental expense has been reduced by sublease revenue of $\$ 13$ million, $\$ 10$ million and $\$ 20$ million for the years ended December 31, 2006, 2005 and 2004, respectively. During 2005 and 2004, we entered into sub-lease agreements for our headquarters building and other office space in Boston. These sublease agreements resulted in the recognition of charges to occupancy expense of $\$ 26$ million and $\$ 16$ million for the years ended December 31, 2005 and 2004, respectively.

## Note 19. Other Operating Expenses

The components of other operating expenses were as follows for the years ended December 31:

| (In millions) | 2006 | 2005 | 2004 |
| :---: | :---: | :---: | :---: |
| Professional services | \$157 | \$ 184 | \$ 165 |
| Merger, integration and divestiture costs(1) | - | - | 62 |
| Other(2) | 361 | 300 | 287 |
| Total other operating expenses | \$518 | \$ 484 | \$ 514 |

(1) Amount represented merger and integration costs related to our acquisition of a substantial portion of the Global Securities Services, or "GSS," business of Deutsche Bank AG.
(2) Amount for 2004 included $\$ 21$ million of restructuring costs incurred in connection with a workforce reduction.

## Note 20. Income Taxes

The components of income tax expense from continuing operations consisted of the following for the years ended December 31:

| (In millions) | 2006 | 2005 | 2004 |
| :---: | :---: | :---: | :---: |
| Current: |  |  |  |
| Federal | \$ 328 | \$185 | \$ 31 |
| State | 82 | 46 | 27 |
| Non-U.S. | 265 | 139 | 157 |
| Total current | 675 | 370 | 215 |
| Deferred: |  |  |  |
| Federal | 27 | 83 | 160 |
| State | (9) | 14 | 23 |
| Non-U.S. | (18) | 20 | (4) |
| Total deferred | - | 117 | 179 |
| Total income tax expense from continuing operations | \$ 675 | \$ 487 | \$ 394 |

Current and deferred income taxes from continuing operations for 2005 and 2004 have been reclassified to reflect tax returns as actually filed. The income tax expense (benefit) related to net realized securities gains or losses was $\$ 6$ million, $\$(1)$ million and $\$ 10$ million for 2006, 2005 and 2004, respectively. Pre-tax income from continuing operations attributable to operations located outside the U. S. was $\$ 759$ million, $\$ 494$ million and $\$ 424$ million for 2006, 2005 and 2004, respectively.

For those foreign subsidiaries for which accumulated earnings of the subsidiary are considered to be permanently invested, no provision for deferred U.S. income taxes is recorded. The total undistributed retained earnings of these subsidiaries was $\$ 324$ million at December 31, 2006. If the accumulated earnings in these subsidiaries had been temporarily invested, a deferred U.S. tax liability of $\$ 56$ million would have been recorded. Income tax expense from continuing operations for 2006 included an additional provision of $\$ 35$ million primarily related to the impact of the Tax Increase

Prevention and Reconciliation Act, or "TIPRA," on income generated from certain of our leveraged leases, more fully described below, and $\$ 46$ million related to the potential resolution of issues with the IRS concerning our LILO and SILO transactions. Additional information about issues related to LILO and SILO transactions is in Note 10. Income tax expense from continuing operations for 2004 included a cumulative benefit of \$18 million resulting from a change in the effective state tax rate applied to leveraged lease transactions.
During 2006, TIPRA repealed the federal income tax exclusion, effective on January 1, 2007, which was previously allowed for a portion of the income generated from certain leveraged leases of aircraft. As a result of this legislation, and in accordance with existing lease accounting standards, we recalculated the allocation of the components of leasing-related income over the terms of the affected leases and recorded a non-cash charge to income tax expense of approximately $\$ 35$ million primarily related to the impact of this legislation.

Significant components of deferred tax liabilities and assets were as follows at December 31:

| (In millions) | 2006 | 2005 |
| :---: | :---: | :---: |
| Deferred Tax Liabilities: |  |  |
| Lease financing transactions | \$1,779 | \$ 1,735 |
| Foreign currency translation | 90 | 34 |
| Pension | - | 29 |
| Other | 12 | - |
| Operating expenses | 62 | 50 |
| Total deferred tax liabilities | 1,943 | 1,848 |
| Deferred Tax Assets: |  |  |
| Unrealized losses on available-for-sale securities, net | 153 | 190 |
| Deferred compensation | 108 | 54 |
| Pension | 81 | - |
| Unrecognized loss related to discontinued operations | - | 58 |
| Allowance for loan losses | 11 | 11 |
| Tax carryforwards | 1 | 1 |
| Other | 76 | 12 |
| Total deferred tax assets | 430 | 326 |
| Valuation allowance for deferred tax assets | (1) | (1) |
| Net deferred tax assets | 429 | 325 |
| Net deferred tax liabilities | \$1,514 | \$ 1,523 |

Management considers the valuation allowance adequate to reduce the total deferred tax asset to an amount that will more likely than not be realized. At December 31, 2006, we had non-U.S. and state tax loss carryforwards of $\$ 1$ million that expire beginning in 2007.

A reconciliation of the U.S.s tatutory income tax rate to the effective tax rate based on income from continuing operations before income taxes was as follows for the years ended December 31:

|  | 2006 | 2005 | 2004 |
| :---: | :---: | :---: | :---: |
| U.S. federal income tax rate | 35.0 \% | 35.0 \% | 35.0\% |
| Changes from Statutory Rate: |  |  |  |
| State taxes, net of federal benefit | 2.9 | 3.3 | 3.7 |
| Tax-exempt interest revenue, net of disallowed interest | (1.1) | (1.5) | (2.2) |
| Tax credits | (1.4) | (1.3) | (.6) |
| Foreign tax differential | (1.2) | (1.0) | (1.1) |
| Provision related to TIPRA | 1.8 | - | - |
| Provision related to LILO and SILO transactions | 2.6 | - | - |
| Leveraged lease transactions-cumulative benefit | - | - | (.9) |
| Other, net | (.5) | (.5) | (.8) |
| Effective tax rate | 38.1 \% | 34.0 \% | 33.1\% |

See Note 10 for information about the IRS's review of our federal income tax returns and contingencies related to LILO and SILO transactions.

## Note 21. Earnings Per Share

The following table presents the computation of basic and diluted earnings per share for the years ended December 31:

|  | 2006 | 2005 | 2004 |
| :---: | :---: | :---: | :---: |
| (Dollars in millions, except per share amounts) |  |  |  |
| Net Income | \$ 1,106 | \$ 838 | \$ 798 |
| Average Shares Outstanding (in thousands): |  |  |  |
| Basic average shares | 331,350 | 330,361 | 334,606 |
| Effect of dilutive securities: |  |  |  |
| Stock options and stock awards | 4,349 | 2,762 | 3,358 |
| Equity-related financial instruments | 33 | 1,513 | 1,641 |
| Dilutive average shares | 335,732 | 334,636 | 339,605 |
| Anti-dilutive securities (in thousands)(1) | 973 | 8,791 | 10,289 |
| Earnings per Share |  |  |  |
| Basic | \$ 3.34 | \$ 2.53 | \$ 2.38 |
| Diluted | 3.29 | 2.50 | 2.35 |

(1) Represents stock options outstanding but not included in the computation of dilut ed average shares because the exercise prices of the instruments were greater than the average fair value of our common stock during those periods.

## Note 22. Line of Business Information

We report two lines of business: Investment Servicing and Investment Management. Given our services and management organization, the results of operations for these lines of business are not necessarily comparable with those of other companies, including companies in the financial services industry.

Investment Servicing provides services for U.S. mutual funds, collective investment funds worldwide, corporate and public retirement plans, insurance companies, foundations, endowments, and other investment pools. Products include custody, accounting, daily pricing and administration; master trust and master custody; recordkeeping; foreign exchange, brokerage and other trading services; securities finance; deposit and short-term investment facilities; loans and lease financing; investment manager and hedge fund manager operations outsourcing; and performance, risk and compliance analytics to support institutional investors. We provide shareholder services, which include mutual fund and collective investment fund shareholder
accounting, through 50\%-owned affiliates, Boston Financial Data Services, Inc. and the International Financial Data Services group of companies.

Investment Management offers a broad array of services for managing financial assets, including investment management and investment research, primarily for institutional investors worldwide. These services include passive and active U.S. and non-U.S. equity and f ixed income investment management strategies, and other related services, such as securities finance.

Revenue and expenses are directly charged or allocated to the lines of business through management information systems. We price our products and services on the basis of overall customer relationships and other factors; therefore, revenue may not necessarily reflect market pricing on products within the business lines in the same way it would for independent business entities. Assets and liabilities are allocated according to rules that support management's strategic and tactical goals. Capital is allocated based on risk-weighted assets employed and management's judgment. Capital alloca-
tions may not be representative of the capital that might be required if these lines of business were independent business entities．

The following is a summary of line of business results．These results exclude the income（loss）from discontinued operations related to our divestiture of Bel

Air，more fully discussed in Note 2．The＂Other／One－ Time＂column for 2005 includes the additional gain from our sale of the PAM business，more fully discussed in Note 2．For 2004，this column includes merger and integration costs related to the GSS acquisition．

| Years ended December 31， | Investment Servicing |  |  | Investment <br> Management |  |  | Other／One－Time |  |  | Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2006 | 2005 | 2004 | 2006 | $\sqrt{ } 2005$ | 2004 | 2006 | 2005 | 2004 | 2006 | 2005 | 2004 |
| （Dollars in millions，except where otherwise noted） |  |  |  |  |  |  |  |  |  |  |  |  |
| Fee revenue： |  |  |  |  |  |  |  |  |  |  |  |  |
| Servicing fees | \＄2，723 | \＄2，474 \＄ | \＄2，263 |  |  |  |  |  |  | \＄2，723 | \＄2，474 | \＄2，263 |
| Management fees | － | － | － | \＄ 943 | \＄751 | \＄623 |  |  |  | 943 | 751 | 623 |
| Trading services | 862 | 694 | 595 | － | － | － |  |  |  | 862 | 694 | 595 |
| Securities finance | 292 | 260 | 211 | 94 | 70 | 48 |  |  |  | 386 | 330 | 259 |
| Processing fees and other | 208 | 221 | 239 | 64 | 81 | 69 |  |  |  | 272 | 302 | 308 |
| Total fee revenue | 4，085 | 3，649 | 3，308 | 1，101 | 902 | 740 |  |  |  | 5，186 | 4，551 | 4，048 |
| Net interest revenue | 986 | 826 | 816 | 124 | 81 | 43 |  |  |  | 1，110 | 907 | 859 |
| Provision for loan losses | － | 二 | （18） | － | － | － |  |  |  | － | 二 | （18） |
| Net interest revenue after provision for loan losses | 986 | 826 | 834 | 124 | 81 | 43 |  |  |  | 1，110 | 907 | 877 |
| Gains（Losses）on sales of available－for－sale |  |  |  |  |  |  |  |  |  |  |  |  |
| investment securities，net | 15 | （1） | 26 | － | － | － |  |  |  | 15 | （1） | 26 |
| Gain on sale of divested |  |  |  |  |  |  |  |  |  |  |  |  |
| business | － | － | － | － | － | － |  | \＄16 |  | － | 16 | 二 |
| Total revenue | 5，086 | 4，474 | 4，168 | 1，225 | 983 | 783 |  | 16 |  | 6，311 | 5，473 | 4，951 |
| Operating expenses | 3，742 | 3，363 | 3，115 | 798 | 678 | 582 |  | － | \＄62 | 4，540 | 4，041 | 3，759 |
| Income from continuing operations before income |  |  |  |  |  |  |  |  |  |  |  |  |
| taxes | \＄1，344 | \＄1，111 \＄ | \＄1，053 | \＄ 427 | \＄ 305 | \＄201 |  | \＄ 16 | \＄（62） | \＄1，771 | \＄1，432 | \＄1，192 |
| Pre－tax margin | 26\％ | 25\％ | 25\％ | 35\％ | 31\％ | 26\％ |  |  |  |  |  |  |
| Average assets（in billions） | \＄ 103.4 | \＄ 96.9 | \＄ 92.5 | \＄ 3.0 | \＄ 2.9 | \＄ 2.6 |  |  |  | \＄ 106.4 | \＄ 99.8 | \＄ 95.1 |

## Note 23. Non-U.S. Activities

We define non-U.S. activities as those revenue-producing assets and transactions that arise from customers domiciled outside the United States. Due to the nature of our business, precise segregation of U.S. and non-U.S. activities is not possible. Subjective judgments have been used to arrive at operating results related to non-U.S. activities, including the application of transfer pricing and asset and liability management policies. Interest expense allocations are based on the av erage cost of short-term borrowed funds.

The following table summarizes non-U.S. operating results for the years ended December 31, and assets as of December 31, based on the domicile location of customers:

|  | 2006 | 2005 | 2004 |
| :---: | :---: | :---: | :---: |
| (In millions) |  |  |  |
| Results of Operations: |  |  |  |
| Total fee revenue | \$ 2,349 | \$ 1,881 | \$ 1,549 |
| Interest revenue | 749 | 653 | 660 |
| Interest expense | 357 | 404 | 393 |
| Net interest revenue | 392 | 249 | 267 |
| Total revenue | 2,741 | 2,130 | 1,816 |
| Operating expenses | 1,840 | 1,589 | 1,309 |
| Income before income taxes | 901 | 541 | 507 |
| Income tax expense | 346 | 205 | 191 |
| Net income | \$ 555 | \$ 336 | \$ 316 |
| Assets: |  |  |  |
| Interest-bearing deposits with banks | \$ 5,193 | \$11,235 | \$20,451 |
| Other assets. | 19,510 | 8,800 | 6,719 |
| Total assets | $\xlongequal{\text { \$24,703 }}$ | $\xlongequal{\$ 20,035}$ | $\underline{\$ 27,170}$ |

Non-U.S. revenue for 2006 included $\$ 833$ million in the United Kingdom, primarily from our London operations.

## Note 24. Fair Values of Financial Instruments

Fair value estimates are generally subjective in nature, and are made as of a specific point in time based on the characteristics of the financial instruments and relevant market information. Disclosure of fair values is not required for certain items, such as lease financing, equity method investments, obligations for pension and other postretirement plans, premises and equipment, other intangible assets and income tax assets and liabilities. Accordingly, aggregate fair value amounts presented do not purport to represent, and should not be considered representative of, our underlying "market" or franchise value. In addition, because of differences in methodologies and assumptions used to estimate fair values, our fair values should not be compared to those of other financial institutions.
We use the following methods to estimate the fair value of financial instruments:

- For financial instruments that have quoted market prices, those quoted prices are used to determine fair value.
- Financial instruments that have no defined maturity, have a remaining maturity of 180 days or less, or reprice frequently to a market rate are assumed to have a fair value that approximates reported value, after taking into consideration any applicable credit risk.
- If no quoted market prices are available, financial instruments are valued by discounting the expected cash flow(s) using an estimated current market interest rate for the financial instrument.
- For derivative financial instruments, fair value is estimated as the amount at which an asset or liability could be bought or sold in a current transaction between willing parties, other $t$ han in a forced liquidation or sale.
The short maturity of our assets and liabilities results in a significant number of financial instruments for which fair value equals or closely approximates the value reported in our consolidated statement of condition. These financial instruments are reported in the following captions in the consolidated statement of condition: cash and due from ban ks; interest-bearing deposits with banks; securities purchased under resale agreements; accrued income receivable; deposits; securities sold under repurchase agreements; federal funds purchased; and other short-te rm bo rrowings. The fair value of trading account assets equals their reported value. In addition, due to the relatively short-term nature of our net loans (excluding leases), substantially all of which are due within one year, we have determined that fair value approximates the reported value. Loan commitments have no reported value because terms are at prevailing market rates.

The reported value and fair value for other captions in the consolidated statement of condition were as follows as of December 31:

|  | Reported Value |  |
| :--- | ---: | ---: |
| (In millions) |  |  |
| 2006: |  |  |
| Financial Assets: | $\$ 60,445$ | $\$ 60,445$ |
| Investment securities: | 4,457 | 4,484 |
| Available for sale | 6,599 | 6,599 |
| Held to maturity | 3,006 | 3,006 |
| Net loans (excluding leases) | 54 | 54 |
| Unrealized gains on derivative financial instruments—trading | 5 |  |

## Financial Liabilities:

| Long-term debt | 2,6162 | , 695 |
| :--- | ---: | ---: |
| Unrealized losses on derivative financial instruments—trading | 3,026 | 3,026 |
| Unrealized losses on derivative financial instruments—asset and liability |  |  |
| management | 31 |  |
| 2005: |  |  |
| Financial Assets: | $\$ 54,979$ | $\$ 54,979$ |
| Investment securities: | 4,891 | 4,815 |
| Available for sale | 4,134 | 4,134 |
| Held to maturity | 2,038 | 2,038 |
| Net loans (excluding leases) |  |  |
| Unrealized gains on derivative finan cial instruments—trading |  |  |
| Unrealized gains on derivative financial instruments—asset and liability |  |  |
| management |  |  |


|  | 76 | 76 |
| :--- | :---: | :---: |
| Financial Liabilities: |  |  |
| Long-term debt | 2,659 | 2,775 |
| Unrealized losses on derivative financial instruments—trading | 2,042 | 2,042 |
| Unrealized losses on derivative financial instruments—asset and liability | 76 | 76 |
| management | 76 |  |

## Note 25. Parent Company Financial Statements

## STATEMENT OF INCOME

| Years ended December 31, | 2006 | 2005 | 2004 |
| :---: | :---: | :---: | :---: |
| (In millions) |  |  |  |
| Interest on securities purchased under resale agreements | \$ 559 | \$ 332 | \$ 140 |
| Cash dividends from consolidated bank subsidiary | 415 | 570 | 400 |
| Cash dividends from consolidated non-bank subsidiaries and |  |  |  |
| Other, net | 34 | 42 | 28 |
| Total revenue | 1,185 | 1,018 | 618 |
| Interest on securities sold under repurchase agreements | 463 | 265 | 112 |
| Other interest expense | 146 | 131 | 78 |
| Other expenses | 36 | 6 | 11 |
| Total expenses | 645 | 402 | 201 |
| Income tax expense (benefit) | (4) | 33 | 11 |
| Income before equity in undistributed income of subsidiaries and affiliate | S 544 | 583 | 406 |
| Equity in undistributed income (loss) of subsidiaries and affiliates: |  |  |  |
| Consolidated bank subsidiary | 602 | 165 | 338 |
| Consolidated non-bank subsidiaries and unconsolidated affiliates | (40) | 90 | 54 |
| Net income | $\underline{\underline{\$ 1,106}}$ | \$838 | \$ 798 |


| STATEMENT OF CONDITION |  |  |
| :---: | :---: | :---: |
| As of December 31, | 2006 | 2005 |
| (In millions) |  |  |
| Assets: |  |  |
| Interest-bearing deposits with bank subsidiary | \$ 841 | \$ 550 |
| Securities purchased under resale agreements from: |  |  |
| External parties | 9,269 | 8,464 |
| Consolidated non-bank subsidiary and unconsolidated affiliates | 21 | 615 |
| Investment securities available for sale . | 103 | 91 |
| Investments in subsidiaries: |  |  |
| Consolidated bank subsidiary | 6,768 | 6,139 |
| Consolidated non-b ank subsidiaries | 940 | 983 |
| Unconsolidated affiliates | 166 | 164 |
| Notes and other receivables from: |  |  |
| Consolidated bank subsidiary | 3 | 19 |
| Consolidated non-bank subsidiaries and affiliates | 120 | 71 |
| Other assets. | 140 | 70 |
| Total assets | \$ 18,371 | \$ 17,166 |
| Liabilities: |  |  |
| Securities sold under repurchase agreements | \$ 8,772 | \$ 8,624 |
| Commercial paper | 998 | 864 |
| Accrued taxes, expenses and other liabilities due to: |  |  |
| Consolidated bank subsidiary | 54 | 33 |
| Consolidated non-bank subsidiaries | 7 | 7 |
| External parties | 167 | 148 |
| Long-term debt | 1,121 | 1,123 |
| Total liabilities | 11,119 | 10,799 |
| Shareholders' equity | 7,252 | 6,367 |
| Total liabilities and shareholders' equity | \$ 18,371 | \$ 17,166 |

## STATEMENT OF CASH FLOWS

| Years ended December 31, | 2006 | 2005 | 2004 |
| :---: | :---: | :---: | :---: |
| (In millions) |  |  |  |
| Net Cash Provided by Operating Activities | \$ 497 | \$ 512 | \$ 412 |
| Investing Activities: |  |  |  |
| Net decrease (increase) in interest-bearing deposits with bank subsidiary | (291) | 580 | (327) |
| Net (increase) decrease in securities purchased under resale agreements | (211) | $(6,845)$ | 5,154 |
| Purchases of available-for-sale securities | (2) | (378) | (43) |
| Sales of available-for-sale securities | - | 385 | 43 |
| Investments in consolidated bank subsidiary | (5) | - | - |
| Investments in non-bank subsidiaries and affiliates | 22 | (20) | (75) |
| Net decrease in notes receivable from subsidiaries | 1 | 15 | 26 |
| Other | 141 | 12 | 13 |
| Net cash (used in) provided by investing activities | (345) | $(6,251)$ | 4,791 |
| Financing Activities: |  |  |  |
| Net increase (decrease) in short-term borrowings | 148 | 6,506 | $(4,914)$ |
| Net increase (decrease) in commercial paper | 134 | (102) | (15) |
| Repayments of long-term debt | - | (345) | - |
| Proceeds from SPACES, net of issuance costs | - | 345 | - |
| Purchases of common stock | (368) | (664) | (178) |
| Proceeds from issuance of treasury stock for stock awards and options |  |  |  |
| exercised | 193 | 231 | 113 |
| Payments for cash dividends | (259) | (232) | (209) |
| Net cash (used in) provided by financing activities | (152) | 5,739 | $(5,203)$ |
| Net change | - | - | - |
| Cash and due from banks at beginning of year | - | - | - |
| Cash and due from banks at end of year | \$- | \$- | \$- |

## STATISTICAL DISCLOSURE BY BANK HOLDING COMPANIES

## Distribution of Average Assets, Liabilities and Shareholders' Equity; Interest Rates and Interest Differential

The average statements of condition and net interest revenue analysis for the years indicated are presented below.

| Years ended December 31, <br> (Dollars in millions; fully taxable-equivalent) | 2006 |  |  | 2005 |  |  | 2004 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average |  | Average | Average |  | Average | Average |  | Average |
|  | Balance | Interest | Rate | Balance | Interest | Rate | Balance | Interest | Rate |
| Assets: |  |  |  |  |  |  |  |  |  |
| Interest-bearing deposits with non-U.S. banks | \$ 9,581 | \$ 412 | 4.30\% | \$ 17,186 | \$ 527 | 3.07\% | \$ 27,221 | \$ 589 | 2.17\% |
| Interest-bearing deposits with U.S. banks | 40 | 2 | 5.00 | 74 | 2 | 2.60 | 167 | 2 | . 94 |
| Securities purchased under resale agreements | 12,543 | 649 | 5.18 | 12,579 | 403 | 3.21 | 13,733 | 191 | 1.39 |
| Federal funds sold | 277 | 14 | 4.91 | 311 | 9 | 2.82 | 359 | 5 | 1.29 |
| Trading account assets(2) | 975 | 48 | 4.91 | 470 | 21 | 4.39 | 614 | 14 | 2.36 |
| Investment securities: |  |  |  |  |  |  |  |  |  |
| U.S. Treasury and federal agencies | 21,160 | 1,011 | 4.78 | 24,833 | 866 | 3.49 | 22,314 | 536 | 2.40 |
| State and political subdivisions(2) | 2,616 | 115 | 4.45 | 1,839 | 78 | 4.23 | 1,945 | 77 | 3.93 |
| Other investments | 37,803 | 1,830 | 4.84 | 24,481 | 873 | 3.56 | 11,834 | 277 | 2.31 |
| Commercial and financial loans | 5,338 | 205 | 3.84 | 3,718 | 106 | 2.85 | 3,433 | 59 | 1.72 |
| Lease financing(2) | 2,332 | 83 | 3.59 | 2,295 | 87 | 3.81 | 2,256 | 82 | 3.61 |
| Total interest-earning assets(2) | 92,665 | 4,369 | 4.72 | 87,786 | 2,972 | 3.39 | 83,876 | 1,832 | 2.18 |
| Cash and due from banks | 2,977 |  |  | 2,598 |  |  | 2,853 |  |  |
| Other assets | 10,802 |  |  | 9,385 |  |  | 8,413 |  |  |
| Total assets | \$ 106,444 |  |  | \$ 99,769 |  |  | \$ 95,142 |  |  |
| Liabilities and Shareholders' Equity: |  |  |  |  |  |  |  |  |  |
| Interest-bearing deposits: |  |  |  |  |  |  |  |  |  |
| Time | \$ 1,617 | 57 | 3.52 | \$ 2,058 | 66 | 3.19 | \$ 5,352 | 72 | 1.35 |
| Savings | 836 | 32 | 3.81 | 934 | 21 | 2.28 | 855 | 6.72 |  |
| Non-U.S. | 53,182 | 1,802 | 3.39 | 46,711 | 1,045 | 2.24 | 39,046 | 434 | 1.11 |
| Total interest-bearing deposits | 55,635 | 1,891 | 3.40 | 49,703 | 1,132 | 2.28 | 45,253 | 512 | 1.13 |
| Securities sold under repurchase agreements | 20,883 | 914 | 4.38 | 22,432 | 613 | 2.73 | 22,989 | 234 | 1.02 |
| Federal funds purchased | 2,777 | 140 | 5.04 | 2,306 | 75 | 3.23 | 2,891 | 41 | 1.40 |
| Other short-term borrowings | 2,039 | 91 | 4.46 | 1,970 | 65 | 3.30 | 1,736 | 40 | 2.28 |
| Long-term debt | 2,621 | 178 | 6.77 | 2,461 | 138 | 5.63 | 2,319 | 101 | 4.36 |
| Total interest-bearing liabilities | 83,955 | 3,214 | 3.83 | 78,872 | 2,023 | 2.57 | 75,188 | 928 | 1.23 |
| Noninterest-bearing deposits: |  |  |  |  |  |  |  |  |  |
| Special time | 7,282 |  |  | 6,880 |  |  | 6,697 |  |  |
| Demand | 663 |  |  | 1,243 |  |  | 1,296 |  |  |
| Non-U.S.(3) | 329 |  |  | 170 |  |  | 53 |  |  |
| Other liabilities | 7,471 |  |  | 6,426 |  |  | 5,900 |  |  |
| Shareholders' equity | 6,744 |  |  | 6,178 |  |  | 6,008 |  |  |
| Total liabilities and shareholders' equity | \$ 106,444 |  |  | \$ 99,769 |  |  | \$ 95,142 |  |  |
| Net interest revenue |  | \$ 1,155 |  |  | \$ 949 |  |  | \$ 904 |  |
| Excess of rate earned over rate paid |  |  | .89\% |  |  | .82\% |  |  | .95\% |
| Net interest margin(1) |  |  | 1.25 |  |  | 1.08 |  |  | 1.08 |

[^1](3) Non-U.S. noninterest-bearing deposits were $\$ 326$ million, $\$ 122$ million and $\$ 71$ million at December 31, 2006, 2005 and 2004, respectively.

The table below summarizes changes in fully taxable-equivalent interest revenue and interest expense due to changes in volume of interest-earning assets and interest-bearing liabilities, and changes in interest rates. Changes attributed to both volumes and rates have been allocated based on the proportion of change in each category.

| Years ended December 31, 2006 <br> (Dollars in millions; fully taxable-equivalent) | Compared to 20052005 |  |  | Compared to 2004 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Change in Volume | Change in <br> Rate | Net (Decrease) <br> Increase | Change in <br> Volume | Change in <br> Rate | Net (Decrease) <br> Increase |
| Interest Revenue Related to: |  |  |  |  |  |  |
| Interest-bearing deposits with non-U.S. banks | \$ (233) | \$ 118 | \$ (115) | \$ (219) | \$ 157 | \$ (62) |
| Interest-bearing deposits with U.S. banks | (1) | 1 | - | - | - | - |
| Securities purchased under resale agreements | (1) | 247 | 246 | (16) | 228 | 212 |
| Federal funds sold | (1) | 6 | 5 | (1) | 5 | 4 |
| Trading account assets | 22 | 5 | 27 | (3) | 10 | 7 |
| Investment securities: |  |  |  |  |  |  |
| U.S. Treasury and federal agencies | (128) | 273 | 145 | 60 | 270 | 330 |
| State and political subdivisions | 20 | 17 | 37 | (4) | 5 | 1 |
| Other investments | 488 | 469 | 957 | 296 | 300 | 596 |
| Commercial and financial loans | 46 | 53 | 99 | 5 | 42 | 47 |
| Lease financing | 1 | (5) | (4) | 1 | 4 | 5 |
| Total interest-earning assets. | 213 | 1,184 | 1,397 | 119 | 1,021 | 1,140 |
| Interest Expense Related to: |  |  |  |  |  |  |
| Deposits: |  |  |  |  |  |  |
| Time | (14) | 5 | (9) | (44) | 38 | (6) |
| Savings | (2) | 13 | 11 | 1 | 14 | 15 |
| Non-U.S. | 145 | 612 | 757 | 85 | 526 | 611 |
| Securities sold under repurchase agreements | (42) | 343 | 301 | (5) | 384 | 379 |
| Federal funds purchased | 15 | 50 | 65 | (8) | 42 | 34 |
| Other short-term borrowings | 2 | 24 | 26 | 5 | 20 | 25 |
| Long-term debt | 10 | 30 | 40 | 6 | 31 | 37 |
| Total interest-bearing liabilities | 114 | 1,077 | 1,191 | 40 | 1,055 | 1,095 |
| Net interest revenue | \$ 99 | \$ 107 | \$206 | \$ 79 | \$ (34) | \$ 45 |

## Quarterly Summarized Financial Information

| （Dollars and shares in millions， except per share amounts） | 2006 Quarters |  |  |  | 2005 Quarters |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Fourth | Third | Second | First | Fourth | Third | Second | First |
| Consolidated Statement of Income： |  |  |  |  |  |  |  |  |
| Total fee revenue | \＄1，305 | \＄1，246 | \＄1，375 | \＄1，260 | \＄1，176 | \＄1，135 | \＄1，143 | \＄1，097 |
| Interest revenue | 1，226 | 1，103 | 1，034 | 961 | 861 | 773 | 693 | 603 |
| Interest expense | 910 | 837 | 772 | 695 | 619 | 537 | 476 | 391 |
| Net interest revenue | 316 | 266 | 262 | 266 | 242 | 236 | 217 | 212 |
| Provision for loan losses | － | 二 | 二 | 二 | 二 | 二 | 二 | 二 |
| Net interest revenue after provision for loan losses ． | 316 | 2662 | 62 | 266 | 242 | 236 | 217 | 212 |
| Gains（Losses）on sales of available－for－sale securities，net | 1 | 3 | 14 | （3） | （2） | 1 | 1 | （1） |
| Gain on sale of divested business | － | － | － | － | 二 | 16 | 二 | 二 |
| Total revenue | 1，622 | 1，515 | 1，651 | 1，523 | 1，416 | 1，388 | 1，361 | 1，308 |
| Total operating expenses | 1，178 | 1，090 | 1，176 | 1，096 | 1，039 | 1，008 | 1，028 | 966 |
|  |  |  |  |  |  |  |  |  |
| operations before income taxes | 444 | 425 | 475 | 427 | 377 | 380 | 333 | 342 |
| Income tax expense from continuing operations | 135 | 147 | 248 | 145 | 128 | 130 | 113 | 116 |
| Income from continuing operations | 309 | 278 | 227 | 282 | 249 | 250 | 220 | 226 |
| Net income（loss）from discontinued operations | － | 二 | 二 | 10 | 二 | （107） | 二 | 二 |
| Net income | \＄309 | \＄ 278 | \＄ 227 | \＄ 292 | \＄ 249 | \＄ 143 | \＄ 220 | \＄ 226 |
| Earnings Per Share From |  |  |  |  |  |  |  |  |
| Continuing Operations： |  |  |  |  |  |  |  |  |
| Basic | \＄ 93 | \＄． 84 | \＄ 69 | \＄． 85 | \＄． 75 | \＄ 76 | \＄． 67 | \＄ 68 |
| Diluted | ． 91 | ． 83 | ． 68 | ． 84 | ． 74 | ． 75 | ． 66 | ． 67 |
| Income（Loss）Per Share From |  |  |  |  |  |  |  |  |
| Discontinued Operations： |  |  |  |  |  |  |  |  |
| Basic | \＄－ | \＄－ | \＄ | \＄． 03 | \＄－ | \＄（．33） | \＄－ | \＄－ |
| Diluted | － | － | － | ． 03 | － | （．32） | － | － |
| Earnings Per Share： |  |  |  |  |  |  |  |  |
| Basic | \＄ .93 | \＄． 84 | \＄ 69 | \＄． 88 | \＄ .75 | \＄． 43 | \＄． 67 | \＄ 68 |
| Diluted | 91 | ． 83 | ． 68 | ． 87 | ． 74 | ． 43 | ． 66 | ． 67 |
| Average Shares Outstanding： |  |  |  |  |  |  |  |  |
| Basic | 331 | 330 | 331 | 333 | 331 | 329 | 330 | 332 |
| Diluted | 337 | 336 | 336 | 337 | 337 | 334 | 334 | 335 |
| Dividends per share | \＄． 21 | \＄ 20 | \＄． 20 | \＄． 19 | \＄． 19 | \＄． 18 | \＄． 18 | \＄． 17 |
| Stock price： |  |  |  |  |  |  |  |  |
| High | \＄ 68.36 | \＄ 63.67 | \＄ 65.91 | \＄ 62.95 | \＄ 59.80 | \＄ 51.50 | \＄ 51.93 | \＄ 49.25 |
| Low | 61.50 | 54.49 | 56.86 | 55.44 | 48.47 | 47.20 | 40.62 | 42.60 |
| Close | 67.44 | 62.40 | 58.09 | 60.43 | 55.44 | 48.92 | 48.25 | 43.72 |

## Disrict of Columbia Teachers' Retirement Fund Schedule of Five Percent Reportable Series of Transactions Year Ended September 30, 2006

Each transaction with State Street Bank and Trust Company as disclosed in this schedule represents a "reportable transaction" as that term is defined by D.C. Code $\S 1-903.06(\mathrm{~b})(3)$.







## Police Officers' and Firefighters' Retirement Fund Schedule of Five Percent Reportable Series of Transactions Year Ended September 30, 2006

Each transaction with State Street Bank and Trust Company as disclosed in this schedule represents a "reportable transaction" as that term is defined by D.C. Code $\S 1-903.06(\mathrm{~b})(3)$.




State Street.




$\square$

## Schedule of Transactions with Parties of Interest

| VENDOR NAME | INVOICE AMOUNT | DESCRIPTION OF SERVICE |
| :---: | :---: | :---: |
| A | B | C |
| BARBARA DAVIS BLUM | \$10,197 | TRUSTEE COMPENSATION |
| WILLIAM SIMONS | \$8,140 | TRUSTEE COMPENSATION |
| LYLE BLACHARD | \$2,577 | TRUSTEE COMPENSATION |
| SHIREEN DODSON | \$10,000 | TRUSTEE COMPENSATION |
| JOAN PARROTT-FONSECA | \$9,689 | TRUSTEE COMPENSATION |
| MICHAEL J. WARREN | \$8,859 | TRUSTEE COMPENSATION |
| MARY COLLINS | \$4,683 | TRUSTEE COMPENSATION |
| JUDITH MARCUS | \$9,969 | TRUSTEE COMPENSATION |
| GEORGE SUTER | \$6,256 | TRUSTEE COMPENSATION |
| DARRICK ROSS | \$9,639 | TRUSTEE COMPENSATION |
| BRIAN K. LEE | \$9,546 | TRUSTEE COMPENSATION |
| THOMAS TIPPETT | \$6,467 | TRUSTEE COMPENSATION |
| ALLIANCE CAPITAL MANAGEMENT | \$107,471 | INVESTMENT MANAGERS |
| ARIEL CAPITAL MANAGEMENT | \$220,858 | INVESTMENT MANAGERS |
| BACHOW INVESTMENT PARTNERS III L.P. | \$13,299 | INVESTMENT MANAGERS |
| BLACKSTONE CAPITAL PARTNERS IV, L.P. | \$2,376 | INVESTMENT MANAGERS |
| BROWN CAPITAL MANAGEMENT | \$604,272 | INVESTMENT MANAGERS |
| CAPITAL GARDIAN TRUST COMPANY | \$1,752,799 | INVESTMENT MANAGERS |
| EDGAR LOMAX COMPANY | \$532,228 | INVESTMENT MANAGERS |
| EACM ADVISORS | \$764,002 | INVESTMENT MANAGERS |
| FAIRVIEW CAPITAL PARTNERS II, L.P | \$92,740 | INVESTMENT MANAGERS |
| GRYPHON INTERNATIONAL INVESTMENT CORP | \$913,547 | INVESTMENT MANAGERS |
| HEITMAN, LLC | \$128,907 | INVESTMENT MANAGERS |
| HUGHES CAPITAL MANAGEMENT, INC | \$218,611 | INVESTMENT MANAGERS |
| LSV ASSET MANAGEMENT | \$1,073,109 | INVESTMENT MANAGERS |
| MCKINLEY CAPITAL MANAGEMENT INC | \$627,828 | INVESTMENT MANAGERS |
| PACIFIC INVESTMENT MANAGEMENT CO | \$920,329 | INVESTMENT MANAGERS |
| RSTW PARTNERS III, L.P. | \$61,817 | INVESTMENT MANAGERS |
| SANDS CAPITAL MANAGEMENT INC | \$640,287 | INVESTMENT MANAGERS |
| THOMPSON, SIEGAL \& WALMSLEY | \$958,229 | INVESTMENT MANAGERS |
| WESTERN ASSET MANAGEMENT CO | \$674,599 | INVESTMENT MANAGERS |
| WATSON, WYATT \& COMPANY | \$271,667 | INVESTMENT MANAGERS |
| PATHEON VENTURES | \$85,030 | INVESTMENT MANAGERS |
| PLEXUS GROUP | \$20,000 | INVESTMENT MANAGERS |


| VENDOR NAME | INVOICE AMOUNT | DESCRIPTION OF SERVICE |
| :---: | :---: | :---: |
| A | B | C |
| WILSHIRE ASSOCIATES INC | \$36,000 | INVESTMENT MANAGERS |
| STATE STREET BANK \& TRUST Co | \$605,186 | INVESTMENT MANAGERS |
| MACK CALI | $(\$ 24,401)$ | SERVICE PROVIDERS |
| ALICIA TRAYNHAM | (\$100) | SERVICE PROVIDERS |
| TUITION REIMBURSEMENT | (\$50) | SERVICE PROVIDERS |
| FLORENCE JONES | (\$12) | SERVICE PROVIDERS |
| ALLISON KELLY | \$13 | SERVICE PROVIDERS |
| FORBES | \$30 | SERVICE PROVIDERS |
| NATIONAL CAP AREA PARAL ASSN | \$70 | SERVICE PROVIDERS |
| LOVELY SUSAN THOMAS | \$72 | SERVICE PROVIDERS |
| ZACHARY BOOKS | \$75 | SERVICE PROVIDERS |
| WORLDWIDE EMPLOYEE BEN. NTWK. | \$100 | SERVICE PROVIDERS |
| ZIERER VISA SERVICES/S. DODSON | \$121 | SERVICE PROVIDERS |
| SURE-FIT SECURITY | \$125 | SERVICE PROVIDERS |
| CAPITAL SERVICES AND SUPPLIES | \$130 | SERVICE PROVIDERS |
| KATHERINE MARSHALL | \$132 | SERVICE PROVIDERS |
| JONES, DAY | \$150 | SERVICE PROVIDERS |
| LORNA TUCKER-JACKSON | \$156 | SERVICE PROVIDERS |
| HEWLETT PACKARD | \$197 | SERVICE PROVIDERS |
| DC BAR PSAC | \$225 | SERVICE PROVIDERS |
| NASP | \$225 | SERVICE PROVIDERS |
| SHIREEN DODSON | \$229 | SERVICE PROVIDERS |
| DAVID BAILEY | \$233 | SERVICE PROVIDERS |
| PALM FACILITY SERVICES | \$240 | SERVICE PROVIDERS |
| UNILUX LTD | \$254 | SERVICE PROVIDERS |
| BARRONS | \$273 | SERVICE PROVIDERS |
| A-S-K ASSOCIATES | \$275 | SERVICE PROVIDERS |
| WASHINGTON POST | \$306 | SERVICE PROVIDERS |
| PUBLIC PENSION FINANCIAL FORUM | \$325 | SERVICE PROVIDERS |
| HOWE FURNITURE CORP | \$399 | SERVICE PROVIDERS |
| WILLIAM SIMONS | \$408 | SERVICE PROVIDERS |
| GOVERNMENT FINANCIAL OFFICERS ASSOCIATION | \$420 | SERVICE PROVIDERS |
| ABSOLUTE ACRYLIC INC | \$435 | SERVICE PROVIDERS |
| CCH INC | \$492 | SERVICE PROVIDERS |
| MAPS | \$500 | SERVICE PROVIDERS |
| PRM CONSULTING, INC. | \$500 | SERVICE PROVIDERS |
| MICHAEL SLAVIN | \$507 | SERVICE PROVIDERS |
| FINANCIAL TIMES | \$528 | SERVICE PROVIDERS |


| VENDOR NAME | INVOICE AMOUNT | DESCRIPTION OF SERVICE |
| :---: | :---: | :---: |
| A | B | C |
| EXODUS AUTOMATIC, INC. | \$543 | SERVICE PROVIDERS |
| US BUSINESS INTERIORS | \$545 | SERVICE PROVIDERS |
| FALCON PRODUCTS | \$547 | SERVICE PROVIDERS |
| RICHARD WORTHAM | \$596 | SERVICE PROVIDERS |
| PAMELA ASHFORD-GLENN | \$609 | SERVICE PROVIDERS |
| INTL. FOUNDATION OF EMPLOYMENT | \$675 | SERVICE PROVIDERS |
| NAPPA | \$715 | SERVICE PROVIDERS |
| NATL ASS OF PUBLIC PENSION | \$745 | SERVICE PROVIDERS |
| PRISM | \$775 | SERVICE PROVIDERS |
| SHERYL SUMMA | \$783 | SERVICE PROVIDERS |
| JOAN PASSERINO | \$813 | SERVICE PROVIDERS |
| SPRINT | \$939 | SERVICE PROVIDERS |
| PICA DELI GOURMET | \$965 | SERVICE PROVIDERS |
| THOMPSON WEST | \$1,082 | SERVICE PROVIDERS |
| GOVCONNECTION, INC. | \$1,116 | SERVICE PROVIDERS |
| LAWSONS GOURMET\#2 | \$1,172 | SERVICE PROVIDERS |
| SOCIETY FOR HUMAN RESOURCE MGMT. | \$1,180 | SERVICE PROVIDERS |
| NCTR | \$1,200 | SERVICE PROVIDERS |
| SERVICE EXCELLENCE INC | \$1,200 | SERVICE PROVIDERS |
| NCPERS | \$1,290 | SERVICE PROVIDERS |
| IRON MOUNTAIN | \$1,324 | SERVICE PROVIDERS |
| CRAIN COMMUNICATION | \$1,408 | SERVICE PROVIDERS |
| ASPEN PUBLISHERS | \$1,439 | SERVICE PROVIDERS |
| IMRAN CHAUDRY | \$1,616 | SERVICE PROVIDERS |
| DUTCHMILL CATERERS | \$1,744 | SERVICE PROVIDERS |
| STEELCASE | \$1,960 | SERVICE PROVIDERS |
| STANFORD UNIVERSITY | \$1,970 | SERVICE PROVIDERS |
| PREMIER PLANTSCAPES | \$2,036 | SERVICE PROVIDERS |
| DARRICK ROSS | \$2,055 | SERVICE PROVIDERS |
| THOMAS TIPPETT | \$2,098 | SERVICE PROVIDERS |
| PHOENIX GRAPHICS | \$2,200 | SERVICE PROVIDERS |
| CINGULAR INTERACTIVE | \$2,254 | SERVICE PROVIDERS |
| NPEA | \$2,285 | SERVICE PROVIDERS |
| NATL ASSC OF STATE RETIREMENT ADMIN | \$2,400 | SERVICE PROVIDERS |
| JOAN PARROTT-FONSECA | \$2,409 | SERVICE PROVIDERS |
| OFFICE MOVERS | \$2,918 | SERVICE PROVIDERS |
| IMPREST FUND | \$2,942 | SERVICE PROVIDERS |
| COUNCIL OF INST. INVESTORS | \$3,000 | SERVICE PROVIDERS |


| VENDOR NAME | INVOICE AMOUNT | DESCRIPTION OF SERVICE |
| :---: | :---: | :---: |
| A | B | C |
| INSTITUTIONAL LTD PARTNERS | \$3,000 | SERVICE PROVIDERS |
| JUDITH MARCUS | \$3,080 | SERVICE PROVIDERS |
| WELLS FARGO | \$3,082 | SERVICE PROVIDERS |
| AAA NETWORKS | \$3,095 | SERVICE PROVIDERS |
| SHEILA MORGAN-JOHNSON | \$3,223 | SERVICE PROVIDERS |
| HILL \& KNOWLTON | \$3,250 | SERVICE PROVIDERS |
| THE HON COMPANY | \$3,262 | SERVICE PROVIDERS |
| CONSTANCE DONOVAN | \$3,317 | SERVICE PROVIDERS |
| WALL STREET JOURNAL | \$3,350 | SERVICE PROVIDERS |
| BRIAN K. LEE | \$3,418 | SERVICE PROVIDERS |
| UNIVERSITY OF PHOENIX | \$3,465 | SERVICE PROVIDERS |
| BARBARA DAVIS BLUM | \$3,535 | SERVICE PROVIDERS |
| GAITHERSBURG CABINETRY \& MILLW. | \$3,837 | SERVICE PROVIDERS |
| OFS SALES CORP | \$4,074 | SERVICE PROVIDERS |
| WEST GROUP | \$4,115 | SERVICE PROVIDERS |
| WE BOWERS, INC. | \$4,205 | SERVICE PROVIDERS |
| FEDERAL EXPRESS | \$4,314 | SERVICE PROVIDERS |
| OFFICE ENVIORMENTS | \$4,438 | SERVICE PROVIDERS |
| WILLIAM CARR | \$4,837 | SERVICE PROVIDERS |
| US EXPRESS FREIGHT SYSTEMS | \$4,966 | SERVICE PROVIDERS |
| WORLD PENSION FORUM LLC | \$5,250 | SERVICE PROVIDERS |
| SHRED-IT USA | \$5,810 | SERVICE PROVIDERS |
| BOLTON PARTNERS, INC. | \$6,000 | SERVICE PROVIDERS |
| KASTLE SYSTEMS, LLC | \$6,833 | SERVICE PROVIDERS |
| NEXT DAY SIGNS | \$7,120 | SERVICE PROVIDERS |
| MARY A. COLLINS | \$7,175 | SERVICE PROVIDERS |
| HARTFORD FIRE INSURANCE | \$8,009 | SERVICE PROVIDERS |
| JOE RAGAN'S COFFEE, LTD | \$8,107 | SERVICE PROVIDERS |
| INTERPARK | \$9,000 | SERVICE PROVIDERS |
| KNOLL INC | \$9,973 | SERVICE PROVIDERS |
| MARYLAND OFFICE INTERIORS | \$10,325 | SERVICE PROVIDERS |
| USPS | \$10,895 | SERVICE PROVIDERS |
| POST MASTER | \$14,947 | SERVICE PROVIDERS |
| PITNEY BOWES | \$14,949 | SERVICE PROVIDERS |
| AMERITEL COMMUNICATIONS CORP. | \$16,852 | SERVICE PROVIDERS |
| CANON USA, INC. | \$18,195 | SERVICE PROVIDERS |
| ENNIS, KNUPP \& ASSOCIATES INC | \$19,009 | SERVICE PROVIDERS |
| STAPLES | \$21,250 | SERVICE PROVIDERS |


| VENDOR NAME | INVOICE AMOUNT | DESCRIPTION OF SERVICE |
| :---: | :---: | :---: |
| A | B | C |
| AUDIOVISUAL WASHINGTON | \$22,500 | SERVICE PROVIDERS |
| ING LIFE INSURANCE | \$22,516 | SERVICE PROVIDERS |
| BALMAR PRINTING | \$22,725 | SERVICE PROVIDERS |
| HILL ENTERPRISES | \$23,160 | SERVICE PROVIDERS |
| SOURCECORP | \$27,067 | SERVICE PROVIDERS |
| AMERICAN ARBITRATION ASSN. | \$29,863 | SERVICE PROVIDERS |
| VERIZON FEDERAL, INC. | \$30,578 | SERVICE PROVIDERS |
| JGV CONSULTING | \$31,586 | SERVICE PROVIDERS |
| WMATA | \$32,628 | SERVICE PROVIDERS |
| FOLIOGRAPH GALLERY | \$35,501 | SERVICE PROVIDERS |
| KIMBALL INTERNATIONAL | \$36,335 | SERVICE PROVIDERS |
| PALMER LEGAL STAFFING | \$39,471 | SERVICE PROVIDERS |
| ORRICK, HERRINGTON, SUCLIFFE | \$43,955 | SERVICE PROVIDERS |
| ED FRIEND, INC. | \$46,149 | SERVICE PROVIDERS |
| CITIBANK | \$47,690 | SERVICE PROVIDERS |
| ROBERT HALF INT | \$50,838 | SERVICE PROVIDERS |
| THOMPSON, COBB \& BAZILLO | \$51,620 | SERVICE PROVIDERS |
| THE TOWNSEND GROUP | \$56,250 | SERVICE PROVIDERS |
| MORGAN, LEWIS \& BOCKIUS | \$70,015 | SERVICE PROVIDERS |
| NGEN, LLC | \$73,653 | SERVICE PROVIDERS |
| KORN/FERRY INTERNATIONAL | \$82,979 | SERVICE PROVIDERS |
| GROOM LAW GROUP, CHARTERED | \$94,003 | SERVICE PROVIDERS |
| AON RISK SERVICES | \$109,204 | SERVICE PROVIDERS |
| THE JOHN AKRIDGE COMPANIES | \$1,037,182 | SERVICE PROVIDERS |
| TREASURY OF THE PUB DEBT | \$1,242,492 | SERVICE PROVIDERS |
| Grand Total | \$15,093,864 |  |

## Schedule of Trustee Activities Sponsored by Service Providers

|  | Activity <br> Date | Service Provider | Activity | Trustee Comments o <br> Purpose of Activity |
| :--- | :--- | :--- | :--- | :--- |
| Mary Collins | $5 / 9 / 2005$ | Invesco | Dinner with Trustees | Networking |
|  | $5 / 9 / 2005$ | Loomis sayles | Hotel Reception | Networking |
|  |  |  | Dinner |  |
|  | $10 / 9 / 2005$ | Millberg Weiss | Security Litigation Education |  |
|  | $10 / 9 / 2005$ | Morgan Stanley et al | Lunch | Conference Activity |
|  | $11 / 2 / 2005$ | FTSE | Wetherly | Dinch |

Fund Return Data

> EXECUTIVE SUMMARY
> Total Fund and Asset Class Performance Periods Ending September 30, 2006

| Asset <br> Allocation <br> Target $\quad$ Current |  |  | Ending | \% Returns/Quartile Universe Rankings |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Mkt Value (millions) | 3 <br> Months | YTD | $\begin{gathered} 1 \\ \text { Year } \end{gathered}$ | $3$ <br> Years | $5$ <br> Years | $\begin{aligned} & 10 \\ & \text { Years } \end{aligned}$ |
| 100.0\% | 100.0\% | TOTAL FUND TOTAL FUND (net) | \$3,621.6 | $\begin{array}{ll} 4.1 & 31 s t \\ 3.9 & \end{array}$ | $\begin{array}{ll} 7.6 & 37 t h \\ 7.1 & \end{array}$ | $\begin{aligned} \hline 10.4 & \text { 31st } \\ 9.8 & \end{aligned}$ | $\begin{array}{ll\|} \hline 12.1 & 58 t h \\ 11.7 & \end{array}$ | $\begin{array}{ll} 8.5 & 91 s t \\ 8.2 & \end{array}$ | $\begin{array}{ll} 8.7 & 41 s t \\ 8.4 & \end{array}$ |
|  |  | Total Fund Benchmark* <br> Asset Allocation Benchmark* <br> Actuarial Assumption* |  | $\begin{aligned} & 4.0 \\ & 4.2 \\ & 1.8 \end{aligned}$ | $\begin{aligned} & 8.5 \\ & 8.4 \\ & 5.4 \end{aligned}$ | $\begin{array}{r} 11.6 \\ 11.0 \\ 7.3 \end{array}$ | $\begin{array}{r} 13.7 \\ 12.5 \\ 7.3 \end{array}$ | $\begin{aligned} & 9.7 \\ & 9.0 \\ & 7.3 \end{aligned}$ | $\begin{array}{r} 8.9 \\ --- \\ 7.2 \end{array}$ |
| 40.0\% | 45.7\% | Domestic Equity Segment | \$1,656.7 | 3.5 68th | 6.2 86th | 8.9 83rd | 12.6 91st | 8.3 85th | 9.1 72nd |
|  |  | Domestic Equity Index* |  | 4.6 | 8.0 | 10.2 | 13.0 | 8.1 | 8.7 |
| 20.0\% | 22.8\% | International Equity Segment | \$825.6 | 5.2 8th | 14.5 32nd | 20.6 25th | 21.583 rd | 13.1 96th | 7.3 93rd |
|  |  | Custom MSCI ACWI xUS Index* |  | 3.9 | 13.6 | 18.3 | 22.0 | 14.1 | 6.7 |
| 25.0\% | 22.5\% | Fixed Income Segment | \$813.1 | 4.2 23rd | 4.0 14th | 4.5 24th | 4.7 38th | 6.1 35th | 7.4 27th |
|  |  | Custom LB Universal Index ${ }^{*}$ |  | 3.9 | 3.1 | 3.7 | 3.4 | 4.8 | 6.4 |
| 5.0\% | 3.7\% | Real Estate Segment ** | \$134.8 | 7.3 n/a | 18.7 n/a | 22.9 n/a | 15.9 n/a | 6.7 n/a | 6.0 n/a |
|  |  | NCREIF |  | 3.5 | 11.6 | 17.6 | 16.4 | 12.4 | 12.5 |
| 10.0\% | 5.1\% | Alternatives Segment | \$184.7 | 4.4 n/a | 8.4 n/a | 13.6 n/a | 12.3 n/a | $1.2 \mathrm{n} / \mathrm{a}$ | 5.0 n/a |
|  |  | Russell $3000+500 \mathrm{bps}$ |  | 5.7 | 11.7 | 15.4 | 18.2 | 13.6 | 14.6 |
| 0.0\% | 0.2\% | Cash Segment | \$6.6 | 1.3 n/a | 3.7 n/a | 4.7 n/a | 2.8 n/a | 2.4 n/a | 4.0 n/a |
|  |  | Citigroup 3-Month TBills |  | 1.2 | 3.5 | 4.4 | 2.6 | 2.2 | 3.7 |

*See Appendix B, Benchmarks, Universes and Definitions.
${ }^{\boxed{ } \times}$ For the few years prior to 2005 , the segment has consisted primarily of cash and equivalents.

Numbers in red indicate below benchmark performance

## EXECUTIVE SUMMARY <br> Managers' Performance Periods Ending September 30, 2006



## EXECUTIVE SUMMARY

Total Fund Asset Allocation and Structure Analysis

| ASSET ALLOCATION | CURRENT |  | TARGET |  | WATSON WYATT COMMENTARY |
| :---: | :---: | :---: | :---: | :---: | :---: |
| By Asset Class | Domestic Equities | 45.7\% | Domestic Equities | 40.0\% | The Total Fund ended the quarter with a |
|  | International Equities | 22.8\% | International Equities | 20.0\% | reduced overweight in the Domestic |
|  | Fixed Income | 22.5\% | Fixed Income | 25.0\% | Equity segment relative to the second |
|  | Real Estate | 3.7\% | Real Estate | 5.0\% | quarter, while the international Equity |
|  | Private Equity | 5.1\% | Private Equity | 10.0\% | segment's overweighting increased |
|  | Cash \& Equiv | 0.2\% | Cash \& Equiv | 0.0\% | modestly due to performance. These |
|  |  | 100.0\% |  | 100.0\% | overweights were within the allowable |
| By Investment StyleDomestic Equity |  |  |  |  | ranges. The Fixed Income, Real Estate and Private Equity segments were all underweight at the end of the quarter; |
|  | Active | 51.3\% | Active | 58\% | however, the underweights were within |
|  | Passive | 50.3\% | Passive | 42\% | the allowable ranges. |
|  | Core | 57.5\% | Core | 50\% | The expected funding of another Real |
|  | Growth | 21.2\% | Growth | 25\% | Estate manager and the continued draw |
|  | Value | 22.9\% | Value | 25\% | downs by the existing managers will bring the Real Estate segment closer to its |
|  | Large Cap | 77.1\% | Large Cap | 72\% | target. The funding of Pantheon during |
|  | Mid Cap | 13.6\% | Mid Cap | 16\% | the quarter increased the current |
|  | Small Cap | 11.0\% | Small Cap | 12\% | allocation to Private Equity and reduced the underweight to its segment target |
| International Equity | Core | 50.3\% | Core | 50\% | allocation. The funding of Bridgewater |
|  | Growth | 23.8\% | Growth | 25\% | and Pantheon has reduced the level of |
|  | Value | 26.7\% | Value | 25\% | cash in the Fund. |
| Domestic Fixed Income | Core | 12.5\% | Core | 12\% | The international Growth segment ended the quarter slightly below its target |
|  | Core Plus | 89.1\% | Core Plus | 88\% | allocation while the international Value |
|  |  |  |  |  | was overweighted versus its target. |
|  |  |  |  |  | These are however within the allowable ranges. |
|  |  |  |  |  | Both the Core and Core Plus Fixed Income segments were near their target allocations. |

## EXECUTIVE SUMMARY

## Total Fund and Asset Class Performance Highlights



## EXECUTIVE SUMMARY

 Managers' Performance HighlightsMANAGER
Alliance

Alliance Capital returned $5.7 \%$ for the quarter, matching the S\&P 500 Index and ranking at the 31st percentile of its Large Cap Core peer universe. Fifteen stocks accounted for half of the return of the benchmark and the Telecommunications, Health Care and Information Technology sectors were the strongest performers. The portfolio matched its benchmark over the one-, three- and five-year periods.
Edgar Lomax out performed its benchmark by $220 \mathrm{bps}(7.5 \% \mathrm{vs} .5 .3 \%$ ) for the quarter and ranked at the 9th percentile of its Large Cap Value peer group universe. Stock selection was the driver of performance this quarter, adding value in all sectors except Consumer Discretionary, Information Technology and Consumer Staples. Holdings in Energy (Chevron, Exxon Mobil), Health Care (Pfizer, Merck, Cigna), Financials (Merrill Lynch, JP Morgan, Bank of America) and Telecommunications (AT\&T, Verizon) all contributed positively to the portfolio's performance this quarter.

For the one-year period, the portfolio out performed its benchmark by 140 bps . Over the three-year period, the portfolio under performed by 110 bps while for the five year-period, it out performed the benchmark by 50 bps .

Sands

EACM

For the quarter, Sands Capital continued to under perform the Russell 1000 Growth Index. The portfolio returned $0.7 \%$ or 320 bps less than the benchmark's $3.9 \%$ return. This performance placed the portfolio at the 86 th percentile of its Large Cap Growth peer group universe. While sector allocation was positive, performance was driven by the negative impact of stock selection, particularly in Consumer Discretionary and Information Technology. All of the Consumer Discretionary holdings were negative for the quarter, led by Starbucks which accounted for $8.1 \%$ of the portfolio. Lowes and Apollo Group were the other holdings. In Information Technology, Google (the portfolio's largest holding at $9.8 \%$ ), Yahoo and Qualcomm led the sector's under performance.

The portfolio under performed its benchmark by 810 bps over the one-year period and produced excess returns of 130 bps over the three-year period.

EACM lagged the Russell 3000 Index by 80 bps for the quarter and ranked at the 35th percentile of its All Cap peer universe. Rigel Capital was the lone Large Cap manager to under perform the Russell 1000 Index, lagging the benchmark's return by 610 bps . Accounting for $20.9 \%$ of the portfolio's assets, Rigel's under performance was the driver of the total portfolio's performance this quarter. The Small/Mid Cap core manager, PENN Capital, under performed the Russell 2500 Index by 280 bps, suffering from its double weight to Energy. The Small Cap Growth manager, AH Lisanti, lagged the Russell 2000 Growth by 510 bps due to its information Technology holdings (Aspen Technology, Veeco instruments). The portfolio's growth orientation continues to negatively impact performance. EACM has placed both Rigel and AH Lisanti on watch. Over the one-year period, the portfolio lagged its benchmark by 160 bps.

## Managers' Performance Highlights

MANAGER
Brown

Thompson, Siegel \&
Walmsley Mid Cap

McKinley Capital

Thompson, Siegel \& Walmsley Small Cap

## WATSON WYATT COMMENTARY

Brown Capital produced excess returns of 30 bps for the quarter and ranked at the 21st percentile of its Mid Cap Growth peer universe. Sector allocation negatively impacted performance this quarter but was offset by the positive contribution of stock selection. Holdings in Information Technology (Adobe, Network Appliance, Electronic Arts) drove performance for the quarter. Holdings in Financials (T. Rowe Price, Willis Group) along with its overweight ( $10.4 \%$ vs. $8.8 \%$ ), also positively contributed to performance. Holdings in Energy (Arch Coal, Diamond Offshore, Noble) and Industrials (Joy Global, Labor Ready, Fluor), the benchmark's two worst performing sectors, detracted from performance for the quarter. The portfolio out performed its benchmark by 90 bps over the one-year period, while it under performed by 420 bps over the two-year period and 470 bps since its April 2004 inception.

Thompson, Siegel \& Walmsley (TSW) returned $-1.2 \%$ for the quarter which was 470 bps behind the return of the Russell Mid Cap Value Index. This performance ranked the portfolio at the 99 th percentile of its Mid Cap Value peer universe. Both stock selection and sector allocation were negative for the quarter across most sectors. Overweighting ( $10.3 \%$ vs. $5.5 \%$ ) and stock selection (Consol Energy, Hess, Newfield) in Energy, as well as overweighting ( $14.4 \%$ vs. $6.3 \%$ ) and stock selection (Commercial Metals, Gold Corp, Martin Marietta) in Materials, negatively contributed to performance. Overweighting ( $14.6 \%$ vs. $7.5 \%$ ) and stock selection (JB Hunt, Terex, Kennametal) in Industrials also contributed to the portfolio's under performance. All three sectors were also the worst performers in the benchmark for the quarter. Stock selection added value only in Information Technology (Sybase, BMC Software, Amdocs).

McKinley lagged the Russell 2000 Growth by 200 bps for the quarter, ranking at the 64 th percentile of its Small Cap Growth peer universe. Both sector allocation and stock selection were negative for the quarter with stock selection driving under performance. Stock selection in Information Technology (Digital Insight, Netlogic, Rackable Systems) and Health Care (Neurometrix, Cubist Pharmaceuticals, Sonosite) contributed to under performance this quarter. Stock selection in Energy, the benchmark's worst performing sector, added value but was offset by its overweight allocation ( $10.6 \%$ vs. $6.9 \%$ ). The portfolio lagged its benchmark by 20 bps over the one-year period but out performed by 10 bps over the two-year period and by 40 bps since its August 2004 inception.

Thompson, Siegel \& Walmsley returned $-1.9 \%$ for the quarter, lagging the Russell 2000 Value Index by 450 bps and ranking at the 86 th percentile of its Small Cap Value peer universe. Stock selection was the main contributor to the under performance and sector allocation was also negative. Stock selection in Information Technology (Nam Tai Electronics, Digital Insight, Transaction Systems), Industrials (Celadon Group, Kirby, American Science \& Engineering) and Materials (Olympic Steel, Schnitzer Steel, Royal Gold) contributed to this quarter's under performance. The sector bet made on Energy ( $11.4 \%$ vs. $4.7 \%$ ) did not pay off as the sector only managed to produce 40 bps over the return of the benchmark's worst performing sector. The portfolio under performed by 390 bps over the one-year period but produced excess returns of 330 bps over the two-year period and 360 bps since its July 2004 inception.

## EXECUTIVE SUMMARY Managers' Performance Highlights

For the quarter, LSV beat the MSCI EAFE Value Index by $20 \mathrm{bps}(5.7 \% \mathrm{vs} .5 .5 \%$ ) and ranked at the 22 nd percentile of its International Value peer universe. The portfolio out performed in both France and Germany, while it under performed in the UK and Japan. Stock selection in overweighted Financials ( $43.8 \%$ vs. $39.8 \%$ ), underweighted Industrials ( $6.1 \%$ vs. $8.3 \%$ ) and in Consumer Discretionary, added value for the quarter. The overweight to Energy ( $10.4 \%$ vs. $7.3 \%$ ), as well as the portfolio's mid cap bias, detracted from performance.

For the one-year period, the portfolio out performed the benchmark by 270 bps and produced excess returns of 300 bps since its April 2005 inception.

## Gryphon

Capital Guardian

Hughes
Gryphon returned $6.0 \%$ for the quarter, out performing the $2.3 \%$ return of the MSCI EAFE Growth Index by 370 bps and ranking at the 6th percentile of its International Growth Equity peer universe. Strong returns in both Europe and Asia/Pacific drove performance this quarter. In Europe, performance was led by stock selection in Germany and exposure to the Netherlands. Holdings in Health Care, especially Celesio A.G., contributed positively to performance. Detractors in Europe were the Information Technology holding, Gemalto, and zero exposure to Utilities as the sector benefited from continued mergers and acquisitions activities in Spain. Stock selection in Hong Kong and Japan, as well as holdings in Consumer Discretionary (Li \& Fung, Yue Yuen Industrial), drove performance in Asia/Pacific. The portfolio underperformed its benchmark by 90 bps over the one-year period and by 300 bps since its April 2005 inception.

Capital Guardian produced 70 bps of excess returns versus its benchmark for the quarter. This performance placed the portfolio at the 27th percentile of its International Equity peer universe. Performance was driven by stock selection in Consumer Discretionary and Consumer Staples, exposure to Telecommunication (especially in Emerging Markets) and underweighting Energy ( $6.1 \%$ vs. $10.2 \%$ ). Stock selection in Energy and Materials, as well as the underweight to Utilities, detracted from performance. For the one-year period, the portfolio out performed its benchmark by 230 bps . Over the longer term, the portfolio under performed its benchmark by 60 bps over the three year period but produced excess returns of 60 bps over the five-year period.

Hughes Capital returned $3.9 \%$ for the quarter, matching the return on of the Lehman Government/Credit Index and ranking at the 42 nd percentile of its Core Fixed Income peer universe. The portfolio benefited from having a slight overweight to the long end of the maturity spectrum and its exposure to Mortgage/Asset Backed. A slight overweight to Corporates ( $34.7 \%$ vs. $32.8 \%$ ) was also positive. A slightly shorter than the benchmark duration was a detraction to performance this quarter.

For the one- and three-year periods, the portfolio out performed the benchmark by 30 bps and 10 bps , respectively. For the five-year period, the portfolio lagged the benchmark by 10 bps .

## EXECUTIVE SUMMARY

## Managers' Performance Highlights

WATSON WYATT COMMENTARY
For the quarter, Western out performed the Lehman Universal Index by 30 bps and ranked at the 9th percentile of its Enhanced Core Fixed income peer universe. The portfolio benefited from its overweight to Mortgage/Asset Backed (43.0\% vs. 35.9) and its underweight to Treasuries (13.6\% vs. 21.3\%). Underweight to Corporates (19.7\% vs. $26.0 \%$ ) and a slightly shorter than the benchmark duration ( 4.5 years vs. 4.7 years) detracted from performance.

For the trailing twelve months, the portfolio produced excess returns of 70 bps while for the three- and five-year periods, it out performed by 190 bps over both periods.

PIMCO returned $4.2 \%$ for the quarter, beating the Lehman Universal Index by 30 bps and ranked at the 9th percentile of its Enhanced Core Fixed Income peer universe. Underweighting Treasuries ( $12.0 \% \mathrm{vs} .21 .3 \%$ ), overweighting Mortgage/Asset Backed ( $53.0 \%$ vs. $35.9 \%$ ) and having a longer than the benchmark duration (4.9 years vs. 4.7 years) contributed positively to performance this quarter. Underweighting Corporates ( $9.7 \%$ vs. $26.0 \%$ ) negatively impacted performance.

The portfolio out performed by 110 bps over the one-year period and by 120 bps over the three-year period. For the five-year period, the portfolio produced excess returns of 110 bps over its benchmark.

Wellington Real Estate out performed the Dow Jones/Wilshire full cap Index by 30 bps for the quarter ( $9.5 \% \mathrm{vs}$. $9.2 \%$ ). The portfolio ranked at the 13th percentile of its REIT peer universe. Positions in Unibail, Kimco Realty and Ventas drove performance this quarter while the portfolio's large overweight in Lodging and its position in Starwood Hotels and Resorts detracted from performance.

Over the one-year period, the portfolio produced excess returns of 350 bps over its benchmark while since its April 2005 inception, the portfolio out performed by 280 bps.

TOTAL FUND
Asset Allocation Analysis


TOTAL FUND
Return Attribution Analysis
Periods Ending September 30, 2006


[^2]
## TOTAL FUND

Performance Versus Benchmark Periods Ending September 30, 2006

| \% Returns | Three <br> Months | YTD | One <br> Year | Three <br> Years | Five <br> Years | Ten <br> Years | Since <br> 10/1/82 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total Fund | 4.1 | 7.6 | 10.4 | 12.1 | 8.5 | 8.7 | 10.5 |
| Total Fund Benchmark ${ }^{\boldsymbol{x}}$ | $4.0 \times \pi$ | 8.5 | 11.6 | 13.7 | 9.7 | 8.9 | 11.7 |
| Active Return | 0.1 | -0.9 | -1.2 | -1.6 | -1.2 | -0.2 | -1.2 |


'See Appendix B, Benchmarks, Universes and Definitions.
${ }^{*} 7.25 \%$. Prior to 10/1/97, $7.0 \%$.
"."Eatimated

TOTAL FUND
Rolling Period Returns Relative to Total Fund Benchmark


TOTAL FUND
Financial Efficiency Analysis


Information ratio (annualized)


TOTAL FUND
Risk/Reward Analysis
Five-Year Period Ending September 30, 2006

'See Appendix B, Benchmarks, Universee and Definitions.
Note: Total Fund Benchmark and CA US Private Equity are estimated for 3006.

TOTAL FUND
Peer Group Performance Comparison Periods Ending September 30, 2006


# DOMESTIC EQUITY SEGMENT Performance Versus Benchmark Periods Ending September 30, 2006 


'See Appendix B, Benchmarka, Universes and Definitiona.

## DOMESTIC EQUITY SEGMENT

Return Attribution Analysis Three-Month Period Ending September 30, 2006


| SECTORS | WEachinics (\%) |  | BETURN (\%) |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Portfolio | R3000 | Portfolio | R3000 |
| Energy | 9.4 | 9.1 | -4.1 | -3.3 |
| Materials | 4.2 | 3.3 | -2.4 | -1.0 |
| Industrials | 11.7 | 11.1 | -3.6 | -1.2 |
| Consumer Discretionary | 10.8 | 11.2 | 2.4 | 4.0 |
| Consumer Staples | 7.1 | 8.5 | 4.9 | 5.6 |
| Health Care | 14.7 | 12.8 | 7.7 | 8.2 |
| Financials | 20.0 | 22.1 | 7.7 | 7.2 |
| Information Technology | 15.1 | 15.0 | 4.2 | 7.1 |
| Telecomm Service | 3.3 | 3.2 | 11.9 | 10.4 |
| Utilities | 3.8 | 3.8 | 6.4 | 5.6 |
| Equity Only (Buy \& Hold) |  |  | 3.5 | 4.7 |



## Risk/Reward Analysis

Five-Year Period Ending September 30, 2006

'See Appendix B, Benchmarks, Universes and Definitiona.

DOMESTIC EQUITY SEGMENT
Peer Group Performance Comparison
Periods Ending September 30, 2006


## INTERNATIONAL EQUITY SEGMENT <br> Performance Versus Benchmark <br> Periods Ending September 30, 2006

| \% Returns | Three <br> Months | YTD | One <br> Year | Three <br> Years | Five <br> Years | Ten <br> Years | Since <br> 4/1/87 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| International Equity | 5.2 | 14.5 | 20.6 | 21.5 | 13.1 | 7.3 | 7.1 |
| Custom MSCI ACWI xUS | 3.9 | 13.6 | 18.3 | 22.0 | 14.1 | 6.7 | 6.5 |
| Active Return | 1.3 | 0.9 | 2.3 | -0.5 | -1.0 | 0.6 | 0.6 |

Numbers in red indicate below benchmark performance.

| PORTFOLIO CHARATERISTICS |  |  |
| :--- | :---: | :---: |
|  | IntI <br> Equity | MSCI ACWI xUS |

TOP TEN HOLDINGS (\%) $18.1 \%$

CG EMERGING MARKETS EQUITY FUND
CG INTL NON-US SMALL CAP FUND
VODAFONE GROUP PLC
ROYAL DUTCH SHELL PLC - B SHS
FRESENIUS AG
INDITEX SA
CELESIO AG
BNP PARIBAS
SANOFI-AVENTIS
SUMITOMO MITSUI FINANCIAL GROUP INC
18.1\%
'See Appendix B, Benchmarks, Universes and Definitions.

REGIONAL EXPOSURE RELATIVE TO ACWI XUS (\%)


SECTOR EXPOSURE RELATIVE TO ACWI XUS (\%)


## INTERNATIONAL EQUITY SEGMENT

## Risk/Reward Analysis

Five-Year Period Ending September 30, 2006


INTERNATIONAL EQUITY SEGMENT Peer Group Performance Comparison Periods Ending September 30, 2006

*See Appendix B, Benchmarks, Universes and Definitions.

FIXED INCOME SEGMENT
Performance Versus Benchmark
Periods Ending September 30, 2006

| \% Returns | Three <br> Months | YTD | One <br> Year | Three <br> Years | Five <br> Years | Ten <br> Years |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fixed Income | 4.2 | 4.0 | 4.5 | 4.7 | 6.1 | 7.4 | Since <br> $12 / 1 / 82$ |
| Custom Lehman US Universal |  |  |  |  |  |  |  |
| Active Return | 3.9 | 3.1 | 3.7 | 3.4 | 4.8 | 8.7 |  |
| N | 0.3 | 0.9 | 0.8 | 1.3 | 1.3 | 1.0 | 0.3 |



## FIXED INCOME SEGMENT <br> Risk/Reward Analysis <br> Five-Year Period Ending September 30, 2006



FIXED INCOME SEGMENT
Peer Group Performance Comparison Periods Ending September 30, 2006


## District of Columbia Retirement Board

Actuarial Valuation as of October 1, 2006
For Fiscal Year 2008 Contributions
Prepared on January 22, 2007

## Required Actuarial Certification <br> Under District of Columbia Code §1-907 for Fiscal Year 2008 <br> (Dollars in Millions)

| Certification | Code Section | Teachers | Police | Fire | Police/Fire Combined | Total District |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FY 2008 Normal Contribution Rate | 1-907.03(a)(3)(A) | 2.4\% | 37.7\% | 31.5\% | 35.9\% | 19.9\% |
| Estimated FY 2008 Covered Payroll | NA | \$338.4 | \$263.2 | \$105.5 | \$368.7 | \$707.1 |
| FY 2008 District Payment before 1-907.02(c) | NA | \$8.1 | \$99.2 | \$33.2 | \$132.4 | \$140.5 |
| FY 2006 Shortfall/Overpayment | 1-907.02(c) | (\$2.1) | \$4.0 | \$0.6 | \$4.6 | \$2.5 |
| FY 2008 District Payment | NA | \$6.0 | \$103.2 | \$33.8 | \$137.0 | \$143.0 |
| Present Value of Future Benefits | 1-907.03(a)(3)(B) | \$1,530.1 | \$2,830.0 | \$1,074.3 | \$3,904.3 | \$5,434.4 |
| Current Value of Assets ${ }^{1}$ | 1-907.03(a)(3)(C) | \$1,284.4 | \$1,662.5 | \$645.7 | \$2,308.2 | \$3,592.6 |
| Actuarial Value of Assets ${ }^{3}$ | 1-907.03(a)(3)(D) | \$1,230.0 | \$1,622.5 | \$630.1 | \$2,252.6 | \$3,482.6 |



These amounts are net of the following benefits payable as of September 30, 2006. $\$ 15.9$ million for Teachers, $\$ 10.1$ million for Police, and $\$ 2.9$ million for Fire.

## Introduction

## Executive Summary

This actuarial valuation of the District of Columbia Police Officers and Fire Fighters' Retirement Fund and the District of Columbia Teachers' Retirement Fund (the Funds) has produced a decrease in recommended contributions between Fiscal Year 2007 and Fiscal Year 2008. The contribution determined through this valuation is as follows:

| Contribution | Teachers' <br> Retirement | Police Officers <br> \& Fire Fighters' <br> Date | Total <br> District |
| :--- | :--- | :--- | :--- |
| Fund |  |  |  |

The costs shown above reflect all required adjustments. The total District cost as a percentage of payroll (before adjustments under D.C. Code \$1-907.02(c)) decreased from 20.9\% for Fiscal Year 2007 to 19.9\% for Fiscal Year 2008. The normal contribution rates (before adjustments under D.C. Code $\$ 1-907.02(\mathrm{c})$ ) for FY 2007 were 2.4\% for Teachers and 35.9\% for Police Officers and Fire Fighters.

We have used the District cost as a percentage of total payroll in order to show the net effects of the various types of actuarial gains and losses on District cost. Gains and losses for the individual groups (Teachers, Police, and Fire) are shown in the cost calculations in Section 3.

The overall decrease in cost was the net result of several factors:

- Demographic experience produced an actuarial gain.

Actual demographic experience (mortality, disabilities, terminations, and retirements occurring at rates other than expected) combined with data improvement and refinement efforts combined for a net loss. A significant contributor to the gain was the large number of terminations within the Teachers' Plan.

## - Salary experience produced an actuarial gain.

The total salary for continuing active participants in all plans was lower than expected based on last year's valuation and salary increase assumptions.

- Asset returns produced an actuarial gain.

The actuarially-determined rate of return on the value of Funds' assets was 9.3\% during Fiscal Year 2006. This was lower than the return on market value of $9.8 \%$, due to partial deferment of gains as prescribed by the actuarial smoothing method. The $9.3 \%$ return on actuarial value was higher than the assumed rate of $7.25 \%$, producing an actuarial gain that decreased District costs. The asset gains that were deferred will provide a cushion for asset experience during the next two fiscal years, meaning that even if assets returns on a market value basis are below expected levels during Fiscal 2007, returns on an actuarial basis may still create gains or somewhat mitigate losses.

- New entrants to the Plans produced an actuarial loss. New members continued to enter the Plans during Fiscal Year 2006. There were 943 new entrants and rehired members between the three groups. Since the District's contribution rate for new entrants is greater than the contribution rate for continuing plan members, the District cost increased, particularly for Teachers.

It is likely that the District contribution will continue to increase over time, particularly for the Teachers' Plan. Assuming that the number of active members remains relatively constant, new members and rehires will continue to generate rate increases each year, until the normal rate for the Plans approach the long-term projected rate. This expected long-term rate for the Teachers' Plan based on new entrant costs is still considerably above the current rate ( $10.3 \%$ versus $2.4 \%$ ), while the long-term rates for Police and Fire are slightly higher than the current rates.

The aggregate effect of non-asset experience on District cost as a percentage of payroll was a slight decrease. Increased payroll from the prior valuation, however, means that this is actually an increase of $\$ 800,000$.

More detail is provided below on the gains and losses which occurred since the last valuation.

## Purpose of the Report

This Report presents the results of the October 1, 2006 actuarial valuation of the D.C. Police Officers and Fire Fighters' Retirement Fund and the D.C. Teachers' Retirement Fund for the District of Columbia Retirement Board. The purposes of the actuarial valuation are:

- To determine the appropriate contribution to the Funds to be paid by the District in Fiscal Year 2008 in accordance with the Replacement Plan Act;
- To review the experience of the Funds over the past year and to discuss reasons for changes in the Funds costs;
- To identify and discuss any emerging trends in Fund costs; and
- To present those items required for disclosure under Statements No. 25 and 27 of the Governmental Accounting Standards Board (GASB).
- To determine the funded status of the Fund using the Entry Age Normal actuarial funding method.


## Organization of the Report

This Report is organized into five sections:

- The Summary contains a presentation of the conclusions of the valuation and a discussion of the reasons for changes since the last valuation. The conclusions and changes are presented separately for each group.
- Section 1 contains an outline of the Funds' provisions on which our calculations are based, statistical data regarding Fund participants, and a summary of the actuarial assumptions used to compute liabilities and costs.
- Section 2 presents information concerning the assets of the Funds. Computation of the actuarial value of the assets is shown.
- Section 3 contains details of the calculation of actuarial liabilities, gains and losses, and District cost. Part of this section is dedicated to the calculation of accrued liabilities under the Entry Age Normal cost method.
Section 4 contains pension plan information required under Statements No. 25 and 27 of the Governmental Accounting Standards Board.


## District Normal Cost - Teachers

Since the last actuarial valuation as of October 1, 2005, the Teacher's normal cost (Total cost before \$1-907.02(c) adjustment) has decreased as a percentage of active members' payroll and as a dollar amount. The table below shows a brief summary.

| Valuation Date <br> (Corresponding | District <br> Fiscal Year) | Normal Cost <br> (\% Payroll) |
| :--- | :---: | :---: |
| October 1, 2005 |  |  |
| (\$ in Millions) |  |  |
| (FY 2007) | $4.6 \%$ | $\$ 15.7$ |
| October 1, 2006 |  |  |
| (FY 2008) | $2.4 \%$ | $\$ 8.1$ |

## Change in District Normal Cost from October 1, 2005 to October 1, 2006 Teachers

The table below summarizes the impact of actuarial experience and changes in benefits on Plan cost.

| Valuation Date | District Normal Cost <br> $(\%$ Payroll $)$ | $\frac{(\$ \text { in Millions) }}{}$ |
| :--- | :---: | :---: |

An analysis of the costs in the table demonstrates the following:

## - Demographic experience was favorable.

Demographic experience arises from actual death, disability, termination, and retirement experience during the year in comparison with actuarial assumptions. In this case, the effects of data improvement and refinement efforts are also included.

Plan cost decreased by $2.0 \%$ from October 1, 2005 to October 1, 2006, where the latter figure is based on the Plan's continuing members (i.e., excluding those hired since the prior valuation), expected pay for the contin-
uing members, and expected assets (the amount that would be on hand if the assets earned exactly $7.25 \%$ on an actuarial basis during the year between valuations). This decrease in Plan cost indicates that actual demographic experience primarily terminations) as well as data improvements during FY 2006 resulted in an actuarial gain of $\$ 7.6$ million.

Detailed information regarding changes in membership of the Fund is shown in Section 1.2 of this Report.

## - Pay increases in aggregate were as expected.

Total pay for continuing active employees was very close to the pay projected using valuation assumptions. The effect on actuarial liabilities and costs was correspondingly negligible.

- The rate of return on assets was higher than expected. The return on a market value basis was 9.8\% (net of expenses), but only part of this was realized due to the asset smoothing method used by the Fund, which defers part of each year's gain/loss. Therefore, the actuariallydetermined rate of return on the value of Fund assets was $9.3 \%$ during FY 2006. This return was higher than the $7.25 \%$ assumed return, producing an actuarial gain that decreased costs to the Fund by $\$ 2.8$ million, or $0.9 \%$ of payroll.

Further information on asset returns can be found in Section 3 of this report.

- New members to the Plan increased costs.

There were 631 new entrants and rehired members in the Teacher's Plan during FY 2006, approximately the same number as in the prior year. The long-term cost of these new members is significantly above the current cost of the plan ( $10.3 \%$ versus $2.4 \%$ ). As a result, the Plan cost moved in the direction of the average new entrant cost, in this case increasing by $0.7 \%$ of pay, or $\$ 2.8$ million.

Overall, actuarial gains resulted in a cost decrease from $4.6 \%$ to $2.4 \%$ of member payroll. The normal contribution decreased from $\$ 15.7$ million to $\$ 8.1$ million. A full development of costs and reasons for changes from October 1, 2005 to October 1, 2006 are shown in Sections 3.1 and 3.2 of this report.

## District Normal Cost - Police Officers

Since the last actuarial valuation was performed as of October 1, 2005, the Police Officers' cost has decreased slightly as a percentage of active members' payroll, but has risen in dollars due to increases in payroll. The table below shows a brief summary.

| Valuation Date <br> (Corresponding | District <br> Fiscal Year) | Normal Cost <br> (\% Payroll) |
| :--- | :---: | :---: |
| October 1, 2005 |  |  |
| ( in Millions) |  |  |
| October 1, 2007) | 38.006 | $\$ 97.9$ |
| (FY 2008) | $37.7 \%$ | $\$ 99.2$ |

## Change in District Normal Cost from October 1, 2005 to October 1, 2006 Police Officers

The table below summarizes the impact of actuarial experience and changes in benefits on Plan cost.

| Valuation Date | District Normal Cost <br> (\% Payroll) $)$ | (\$ in Millions) |
| :--- | :---: | :---: |
| October 1, 2005 | $38.0 \%$ | $\$ 97.9$ |
| Change Due to Demographic |  |  |
| $\quad 1.1 \%$ | 2.3 |  |
| $\quad$ Experience | $(0.7) \%$ | $(3.0)$ |
| Change Due to Salary |  |  |
| $\quad$ Experience | $(1.0) \%$ | $(2.5)$ |
| Change Due to Asset | $0.3 \%$ | 4.5 |
| $\quad$ Experience | $37.7 \%$ | $\$ 99.2$ |

An analysis of the costs in the table reveals the following:

[^3]- The rate of return on assets was higher than expected. As a result of investment gains, the normal cost decreased by $1.0 \%$ of payroll, or $\$ 2.5$ million.
- New members to the Plan increased costs.

There were 227 new entrants and rehired members in the Police Officers Plan during the plan year. The longterm normal contribution rate for these new members is slightly above the current cost of the plan. As a result, the Plan cost moved in the direction of the average new entrant rate, increasing by $0.3 \%$, or $\$ 4.5$ million.

Overall, actuarial gains slightly outweighed losses and the impact of new entrants, causing the Funds' costs to decrease from $38.0 \%$ to $37.7 \%$ as a percentage of member payroll. Increased total payroll, however, caused the normal contribution to increase from \$97.9 million to $\$ 99.2$ million. A full development of costs and reasons for changes from October 1, 2005 to October 1, 2006 are shown in Sections 3.1 and 3.2 of this report.

## District Normal Cost —Fire Fighters

 Since the last actuarial valuation was performed as of October 1, 2005, the Fire Fighters' cost has decreased as a percentage of active members' payroll, but increased in dollars due to higher payroll. The table below shows a brief summary.Valuation Date
(Corresponding Fiscal Year)

October 1, 2005
(FY 2007)
October 1, 2006
(FY 2008)

## Change in District Normal Cost from

October 1, 2005 to October 1, 2006 Fire Fighters
The table below summarizes the impact of actuarial experience and changes in benefits on Plan cost.

| Valuation Date | $\begin{aligned} & \text { District N } \\ & \text { (\% Payroll) } \\ & \hline \end{aligned}$ | ormal Cost (\$ in Millions) |
| :---: | :---: | :---: |
| October 1, 2005 | 32.9\% | \$32.4 |
| Change Due to Demographic |  |  |
| Experience | (0.4)\% | 1.0 |
| Change Due to Salary |  |  |
| Experience | ( 0.6)\% | ( 0.9) |
| Change Due to Asset |  |  |
| Experience | (1.0)\% | ( 1.0) |
| Change Due to New Entrants | 0.6\% | 1.7 |
| October 1, 2006 | 31.5\% | \$33.2 |

An analysis of the costs in the table above reveals the following:

## - Demographic experience was favorable.

Demographic experience, including the effects of data improvement initiatives, resulted in actuarial gains. The effect on cost as a percentage of payroll was a $0.4 \%$ decrease. An expected increase in payroll caused the normal cost to increase by $\$ 1.0$ million.

The detailed data concerning changes in membership of the Fund is shown in Section 1.2 of this Report.

- Pay increases in aggregate were lower than expected. There was a gain due to pay increases that were lower than expected based on the prior valuation. This decreased cost by $0.6 \%$ of payroll, or $\$ 0.9$ million.
- The rate of return on assets was higher than expected. Favorable investment experience resulted in a decrease in the normal cost of $1.0 \%$ of payroll, an actuarial gain of $\$ 1.0$ million.
- New members to the Plan increased costs.

There were 85 new entrants and rehired members in the Fire Fighters' Plan during FY 2006. The long-term normal rate of these new members is higher than the current cost of the plan. As a result, the Plan cost moved in the direction of the average new entrant cost, in this case increasing by $0.6 \%$ of payroll, or $\$ 1.7$ million.

Overall, actuarial gains slightly outweighed losses and the impact of new entrants, causing the Funds' costs to decrease from $32.9 \%$ to $31.5 \%$ as a percentage of member payroll. Increases in total payroll however, caused an increase in the normal contribution from $\$ 32.4$ million to $\$ 33.2$ million. A full development of costs and reasons for changes from October 1, 2005 to October 1, 2006 are shown in Sections 3.1 and 3.2 of this report.

## Conclusion and Additional Information

Contribution rates are below their expected ultimate level as a percentage of payroll. The estimated long-term contribution rates for the current Tier of benefits are approximately $10 \%, 42 \%$ and $41 \%$ for the Teachers, Police Officers and Fire Fighters respectively. These rates were calculated as the normal contribution rates for the new entrants to each Plan. Assuming that recent hiring patterns continue and that populations in each group remain close to their current levels, rate increases are to be expected due to new members.

The asset return and inflation rates assumed for this valuation appear to constitute a considerable degree of conservatism. The real rate of return is defined as the nominal rate, less inflation. Thus, a real return of $2.25 \%$ is being assumed. To the extent that future real asset returns are in excess of this, there will be actuarial gains. Increasing the real return assumption would result in lower liabilities and costs. It would also decrease the probability of future gains. During 2007, a full experience study will be conducted to determine if any changes in assumptions are warranted. All demographic and economic assumptions, including return and inflation, will be investigated as part of this study. Any adjustments to current assumptions will be recommended for the next valuation, as of October 1, 2007.

The Governmental Accounting Standards Board (GASB) has recently announced proposed revisions to Standards 25 and 27, which would require "disclosure by governments that use the aggregate actuarial cost method of the funded status and present a multiyear schedule of funding progress using the entry age actuarial cost method as a surrogate." This is because the Aggregate method does not explicitly define an accrued liability. Accordingly, a determination of the funding ratios using the Entry Age Normal actuarial cost method for each plan has been included within this report. The actuarial assumptions (demographic and economic) used for these calculations are the same as were used to determine the required contributions.

This report has been prepared using generally accepted actuarial methods and assumptions. If there are any questions about this report, please feel free to contact us.

Respectfully submitted,

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# Section 1: <br> Summary of Fund Provisions, Member Statistics, and Actuarial Assumptions 

## Summary of Plans' Provisions: <br> District of Columbia Teachers' Retirement Plan

Membership
Eligibility
Permanent, temporary, and probationary teachers for the District of Columbia public day schools become members automatically on their date of employment. Other employees covered by the Retirement of Public School Teachers Act — including librarians, principals, and counselors - also become members on their date of employment. Substitute teachers and employees of the Department of School Attendance and Work Permits are not covered. Some former D.C. teachers working at charter schools are eligible to remain in the Plan.

## Member Contributions

Members hired before November 1, 1996 are required to contribute $7 \%$ of annual pay minus any pay received for summer school. Members hired on or after November 1, 1996 contribute $8 \%$ of annual pay minus pay received for summer school.

Members can also make voluntary contributions of up to $10 \%$ of annual pay toward an annuity in addition to any vested pension.

Interest is not credited to each member's accumulated contributions.

## Service

## School Service

One year of school service is granted for each year of employment with the D.C. public day schools.

## Credited Service

Service granted or purchased in addition to school service.

## Voluntary Retirement

## Eligibility

For participants hired before November 1, 1996:

- Age 62 with 5 years of school service;
- Age 60 with 20 years of total service, including 5 years of school service; or
- Age 55 with 30 years of total service, including 5 years of school service.
For participants hired on or after November 1, 1996:
- Age 62 with 5 years of school service;
- Age 60 with 20 years of total service, including 5 years of school service; or
- Any age with 30 years of total service, including 5 years of school service.


## Benefit Amount

For participants hired before November 1, 1996:

- $1.5 \%$ of high 3-year average pay times service up to 5 years, plus
- $1.75 \%$ of average pay times service between 5 and 10 years, plus
- $2.0 \%$ of average pay times service over 10 years.

For participants hired on or after November 1, 1996:

- $2.0 \%$ of average pay times service.

For all participants, there is a minimum benefit of $1.0 \%$ of average pay plus $\$ 25$ for each year of service

## Involuntary Retirement

## Eligibility

Retired involuntarily for reasons other than misconduct or delinquency with:

- 25 years of total service, including 5 years of school service; or
- Age 50 with 20 years of total service, including 5 years of school service.


## Benefit Amount

Voluntary Retirement benefit reduced $1 / 6 \%$ per month (2\% per year) that date of retirement precedes age 55.

## Disability Retirement Benefit

## Eligibility

5 years of school service and a physical or mental disability that prevents the member from performing his/her job.

## Benefit Amount

Voluntary Retirement benefit subject to a minimum of the lesser of $40 \%$ of average pay and the benefit that the member would receive projecting service to age 60 .

## Lump Sum Death Benefit

## Eligibility

Death before completion of 18 months of school service or death without an eligible spouse, child, or parent.

## Benefit Amount

Refund of paid contributions

## Installment Benefit Payable upon

 Death - Spouse Only
## Eligibility

Death before retirement and married for at least two years or have a child by the marriage.

## Benefit Amount

$55 \%$ of the Voluntary Retirement benefit subject to the minimums specified in the Disability Retirement Benefit.

## Installment Benefit Payable upon

 Death - Spouse and Dependent Children
## Eligibility

For the spouse, as described above; for the children, unmarried and under 18, 22 if full-time student, or any child dependent because of a disability incurred before age 18. Death does not have to occur before retirement for the children's benefits.

## Benefit Amount

Spouse benefit as described above, plus a benefit per child of the smallest of:

- $60 \%$ of average pay divided by the number of eligible children;
- \$5,640 (if hired before January 1, 1980), \$5,448 (if hired between January 1, 1980 and October 31, 1996) or $\$ 5,400$ (if hired on or after November 1, 1996) per child; or
- $\$ 16,920$ (if hired before January 1, 1980), $\$ 16,344$ (if hired between January 1, 1980 and October 31, 1996), or $\$ 16,200$ (if hired on or after November 1, 1996), divided by the number of children, payable until the children are no longer eligible.


## Installment Benefit Payable upon Death — Dependent Children Only <br> Eligibility <br> Same as the children's benefit above.

## Benefit Amount

Per child, the smallest of:

- 75\% of average pay divided by the number of eligible children;
- \$6,876 (if hired before January 1, 1980), \$6,636 (if hired between January 1, 1980 and October 31, 1996) or $\$ 6,552$ (if hired on or after November 1, 1996) per child; or
- $\$ 20,628$ (if hired before January 1, 1980), $\$ 19,908$ (if hired between January 1, 1980 and October 31, 1996) or $\$ 19,656$ (if hired on or after November 1, 1996) divided by the number of children, payable until the children are no longer eligible.


## Installment Benefit Payable upon <br> Death - Surviving Parents Only <br> Eligibility

Death before retirement and no eligible spouse or children, and parents receive at least one-half of their total income from member.

## Benefit Amount

Spouse benefit as described above.

## Deferred Vested Benefit

## Eligibility

5 years of school service.

Benefit Amount
Voluntary Retirement Benefit beginning at age 62.

## Form of Payment Options

## Normal Form of Payment

Unreduced Annuity.

Reduced Annuity with a maximum (55\%) Survivor Annuity (to Spouse)

The original benefit is reduced by $2.5 \%$ of annual pension up to $\$ 3,600$, plus $10 \%$ of any amount over $\$ 3,600$.

## Reduced Annuity with a Partial Survivor Annuity

 (to Spouse)A joint and survivor annuity with a benefit payable to the spouse of between $\$ 1$ and $54 \%$ of the unreduced retirement benefit. The original benefit is reduced by dividing the amount of the survivor's annuity by $55 \%$, then reducing the original benefit by $2.5 \%$ of this amount up to $\$ 3,600$, plus $10 \%$ of any amount over \$3,600.

## Reduced Annuity with a Survivor Annuity to a person with an "Insurable Interest"

A joint and 55\% survivor annuity with the original benefit reduced $10 \%$ plus an additional $5 \%$ for each full 5 years, up to 25 years, the survivor is younger, with a total reduction of $40 \%$ for any survivor who is 25 or more years younger.

## Reduced Annuity with an Insurance Benefit

Benefits may be reduced and the balance used to purchase life insurance.

## Cost-of-Living Adjustments

All participants receive an increase effective each March based on the annual change in the Consumer Price Index (all items - U.S. City average) from December to December. The annual increase is capped at $3 \%$ for members hired on or after November 1, 1996.

## Retirement Program for District of Columbia Police Officers and Firefighters <br> Membership <br> Eligibility

All police officers and firefighters of the District of Columbia automatically become members on their date of employment. Police Cadets are not eligible.

## Member Contributions

Members hired before November 10, 1996 are required to contribute $7 \%$ of annual salary, including any differential for special assignment, but excluding overtime, longevity, holiday, or military pay. Members hired on or after November 10, 1996 contribute $8 \%$ of annual salary, including any differential for special assignment, but excluding overtime, holiday, or military pay.

Interest is not credited to each member's accumulated contributions.

## Service

## Departmental Service

Each full year and additional months of employment with either the Metropolitan Police Force or the D.C. Fire Department.

## Credited Service

Service granted or purchased in addition to departmental service.

## Average Pay

For those hired before February 15, 1980, basic pay for the highest 12 consecutive months. For those hired on or after February 15, 1980, basic pay for the highest 36 consecutive months divided by three.

## Longevity Pay (Police Only)

Members who complete 25 years of active service prior to retirement are entitled to an additional $15 \%$ of their basic compensation. Members who complete 30 years of active service are entitled to an additional $20 \%$ of their basic pay.

## Normal Retirement Benefit

## Eligibility

For participants hired before February 15, 1980:

- 20 years of service

For participants hired before November 10, 1996:

- Age 60; or
- Age 50 with 25 years of departmental service; or

For participants hired on or after November 10, 1996:

- Age 60; or
- No age requirement with 25 years of service.


## Benefit Amount

For participants hired before November 10, 1996:

- $2.5 \%$ of average pay times departmental service up to 25 years ( 20 years if hired before February 15, 1980), plus
- $3.0 \%$ of average pay times departmental service over 25 (or 20) years, plus
- $2.5 \%$ of average pay times credited service.

For participants hired on or after November 10, 1996:

- $2.5 \%$ of average pay times total service.
- For all participants, there is a maximum benefit of $80 \%$ of average pay.


## Service-Related Disability Retirement Benefit

## Eligibility

Disabled as a result of an illness or injury in the line of duty.

## Benefit Amount

For participants hired before February 15, 1980

- $2.5 \%$ of average pay times total years of service, subject to a minimum benefit of $66-2 / 3 \%$ of average pay and subject to a maximum benefit of $70 \%$ of average pay.
For participants hired on or after February 15, 1980
- $70 \%$ of final pay times percentage of disability, subject to a minimum benefit of $40 \%$ of final pay.


## Non-Service-Related Disability Retirement Benefit

## Eligibility

5 years of departmental service and a physical or mental disability that prevents the member from performing his/her job.

## Benefit Amount

For participants hired before February 15, 1980

- $2.0 \%$ of average pay times total years of service, subject to a minimum benefit of $40 \%$ of average pay and subject to a maximum benefit of $70 \%$ of average pay.
For participants hired on or after February 15, 1980
- $70 \%$ of final pay times percentage of disability, subject to a minimum benefit of $30 \%$ of final pay.


## Lump Sum Death Benefit

## Eligibility

Death occurring in the line of duty, not resulting from willful misconduct, an intention to bring about his/her own death, or drunkenness.

## Benefit Amount <br> \$50,000.

## Installment Benefit Payable upon Death — Spouse Only, Member Not Killed in Line of Duty after December 29, 1993

## Eligibility

Death and, if retired, married for at least one year or have a child by the marriage.

## Benefit Amount

$40 \%$ of the greater of average pay and the salary for step 6 salary class 1 of the D.C. Police and Fireman's Salary Act in effect, adjusted for cost-of-living increases if death occurs after retirement. The benefit cannot exceed the rate of pay at death (or retirement if death occurs after retirement.)

## Installment Benefit Payable upon <br> Death - Spouse Only, Member Killed in Line of Duty after December 29, 1993

## Eligibility

Death (killed in line of duty).

## Benefit Amount

$100 \%$ of final pay.

## Installment Benefit Payable upon <br> Death - Spouse and Dependent Children

## Eligibility

For the spouse, as described above; for the children, unmarried and under 18, 22 if full-time student, or any child dependent because of a disability incurred before age 18. Death does not have to occur before retirement for the children's benefits.

## Benefit Amount

Spouse benefit as described above, plus, provided death does not occur in the line of duty, a benefit per child of the smallest of:

- $60 \%$ of average pay divided by the number of eligible children;
- $\$ 3,312$ (if hired before November 10, 1996), or \$3,288 (if hired on or after November 10, 1996); or
- $\$ 9,936$ (if hired before November 10, 1996), or $\$ 9,864$ (if hired on or after November 10, 1996), divided by the number of children, payable until the children are no longer eligible.


## Installment Benefit Payable upon <br> Death — Dependent Children Only <br> Eligibility

Same as the children's benefit above.

## Benefit Amount

Per child, $75 \%$ of average pay divided by the number of eligible children, adjusted for cost-of-living increases.

## Refund of Contributions

## Eligibility

Death before retirement and no eligible spouse or children.

## Benefit Amount

All contributions will be refunded to a named, or statu-torily-designated if none named, beneficiary.

## Deferred Vested Benefit

Eligibility
5 years of departmental service.

## Benefit Amount

Normal Retirement Benefit beginning at age 55.

## Form of Payment Options

## Normal Form of Payment

Single Life Annuity.

## Additional Survivor Benefit

The original benefit is reduced $10 \%$. This $10 \%$ amount is reduced by $5 \%$ for each full 5 years the survivor is younger (but not more than $40 \%$ ) and is added to the survivor's benefit.

## Cost-of-Living Adjustments

Employees (not beneficiaries) who retired prior to February 15, 1980, receive the same percentage increase as active employees' salary increases. All other retired participants receive an increase each March based on the annual change in the Consumer Price Index (All Urban Consumers) from December to December. The annual increase is limited to $3 \%$ for members hired on or after November 10, 1996.
1.2: Participant Data as of October 1, 2006

| Active Participants | Teachers |  | Police Offi | Fire Fighters |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | 5,088 |  | 3,747 |  | 1,509 |  |
| Average Age | 45.9 |  | 38.9 |  | 38.9 |  |
| Average Service | 11.9 |  | 12.5 |  | 12.9 |  |
| Average Pay | \$64,369 |  | \$65,001 |  | \$64,508 |  |
| Inactive Participants |  |  |  |  |  |  |
| Service Retired | District | Total ${ }^{1}$ | District | Total ${ }^{*}$ | District | Total ${ }^{*}$ |
| Number | 2,017 | 4,907 | 549 | 3,135 | 166 | 933 |
| Average Age | 63.9 | 71.5 | 55.5 | 62.3 | 55.8 | 65.2 |
| Average Benefit | \$7,493 | \$38,250 | \$8,212 | \$47,046 | \$11,924 | \$55,019 |
| Beneficiaries |  |  |  |  |  |  |
| Number | 71 | 457 | 181 | 1,309 | 48 | 491 |
| Average Age | 47.9 | 69.4 | 31.3 | 65.2 | 28.7 | 69.8 |
| Average Benefit | \$4,442 | \$17,483 | \$4,045 | \$22,781 | \$4,413 | \$24,638 |
| Disabled |  |  |  |  |  |  |
| Number | 87 | 455 | 217 | 1,283 | 46 | 500 |
| Average Age | 57.2 | 70.7 | 44.8 | 63.8 | 51.2 | 69.2 |
| Average Benefit | \$7,219 | \$26,204 | \$17,061 | \$38,934 | \$11,711 | \$45,363 |
| Terminated Vested |  |  |  |  |  |  |
| Number | 612 | 981 | 79 | 215 | 15 | 29 |
| Average Age | 45.7 | 52.6 | 41.5 | 54.3 | 42.1 | 49.3 |
| Average Benefit | \$4,827 | \$7,977 | \$8,952 | \$11,672 | \$5,393 | \$11,153 |

1 Federal and District payments combined.

Service
Age $\quad \mathbf{0}$


| Service <br> Age | 0 | 1 | 2 | 3 | 4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35+ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0-19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20-24 | 40,017 | 41,295 | 43,091 | 45,524 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40,593 |
| 25-29 | 45,038 | 44,191 | 47,455 | 47,388 | 46,746 | 51,393 | 0 | 0 | 0 | 0 | 0 | 0 | 46,192 |
| 30-34 | 51,450 | 50,537 | 61,796 | 55,064 | 52,781 | 59,029 | 0 | 0 | 0 | 0 | 0 | 0 | 55,628 |
| 35-39 | 56,367 | 55,220 | 60,623 | 59,225 | 62,368 | 63,690 | 68,697 | 92,532 | 0 | 0 | 0 | 0 | 61,080 |
| 40-44 | 54,086 | 58,487 | 58,751 | 57,642 | 61,021 | 63,227 | 69,249 | 77,155 | 0 | 0 | 0 | 0 | 61,057 |
| 45-49 | 53,234 | 55,725 | 54,166 | 64,380 | 55,003 | 64,037 | 70,440 | 71,128 | 0 | 0 | 0 | 0 | 61,437 |
| 50-54 | 62,611 | 61,715 | 60,254 | 65,823 | 64,010 | 64,048 | 71,569 | 75,765 | 75,724 | 75,905 | 0 | 0 | 64,603 |
| 55-59 | 67,712 | 56,761 | 69,948 | 68,812 | 65,251 | 67,432 | 69,407 | 72,110 | 75,905 | 70,567 | 62,760 | 93,751 | 66,507 |
| 60-64 | 52,321 | 61,024 | 71,782 | 69,945 | 61,288 | 67,705 | 73,338 | 76,685 | 0 | 0 | 78,381 | 0 | 66,669 |
| 65-69 | 72,874 | 45,179 | 73,961 | 66,215 | 73,961 | 72,216 | 67,806 | 67,412 | 0 | 0 | 0 | 0 | 67,043 |
| 70+ | 39,971 | 0 | 0 | 67,806 | 71,826 | 70,455 | 0 | 0 | 0 | 0 | 0 | 0 | 66,926 |
| Total | 47,817 | 49,881 | 58,595 | 57,437 | 56,809 | 62,799 | 70,105 | 74,683 | 75,796 | 72,346 | 67,967 | 93,751 | 56,744 |
| Average Age: 39.3 Average Service: 4.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |



Active Police Officers
Hired before 11/10/1996
by Age and Service
as of October 1, 2006


| Service | $\mathbf{0}$ | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5 - 9}$ | $\mathbf{1 0 - 1 4}$ | $\mathbf{1 5 - 1 9}$ | $\mathbf{2 0 - 2 4}$ | $\mathbf{2 5 - 2 9}$ | $\mathbf{3 0 - 3 4}$ | $\mathbf{3 5 +}$ | Total |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Age |  |  |  |  |  |  |  |  |  |  |  |  |  |


Active Police Officers
Hired 11/10/1996 or Later
by Age and Service as of October 1, 2006


| Service Age | 0 | 1 | 2 | 3 | 4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35+ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0-19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20-24 | 62 | 46 | 35 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150 |
| 25-29 | 57 | 71 | 105 | 57 | 54 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 400 |
| 30-34 | 35 | 30 | 47 | 39 | 42 | 267 | 6 | 0 | 0 | 0 | 0 | 0 | 466 |
| 35-39 | 15 | 24 | 38 | 24 | 34 | 195 | 8 | 0 | 0 | 0 | 0 | 0 | 338 |
| 40-44 | 5 | 6 | 10 | 8 | 16 | 70 | 0 | 1 | 0 | 0 | 0 | 0 | 116 |
| 45-49 | 4 | 2 | 1 | 5 | 1 | 26 | 3 | 1 | 1 | 0 | 0 | 0 | 44 |
| 50-54 | 2 | 1 | 1 | 2 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 55-59 | 0 | 0 | 0 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 60-64 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 65-69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 180 | 180 | 237 | 143 | 151 | 626 | 17 | 2 | 1 | 0 | 0 | 0 | 1,537 |



## All Active Police Officers by Age and Service as of October 1, 2006


Service
Age $\quad \mathbf{0}$





## All Active Fire Fighters by Age and Service as of October 1, 2006



| Service Age | 0 | 1 | 2 | 3 | 4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35+ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0-19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20-24 | 9 | 30 | 45 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 94 |
| 25-29 | 12 | 9 | 96 | 8 | 7 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 167 |
| 30-34 | 3 | 11 | 50 | 24 | 9 | 74 | 52 | 2 | 0 | 0 | 0 | 0 | 225 |
| 35-39 | 9 | 2 | 9 | 19 | 14 | 97 | 93 | 99 | 0 | 0 | 0 | 0 | 342 |
| 40-44 | 3 | 2 | 3 | 0 | 0 | 28 | 84 | 94 | 59 | 0 | 0 | 0 | 273 |
| 45-49 | 1 | 1 | 1 | 0 | 0 | 13 | 6 | 59 | 149 | 23 | 0 | 0 | 253 |
| 50-54 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 57 | 62 | 8 | 0 | 130 |
| 55-59 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 9 | 3 | 19 |
| 60-64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 6 |
| 65-69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 38 | 55 | 206 | 58 | 33 | 247 | 235 | 255 | 265 | 91 | 18 | 8 | 1,509 |



## Inactive Teachers

## Service Retirees

|  | District <br> Count | Average <br> District Benefit | Total Count |
| :--- | :---: | :---: | :---: | :---: | | Combined <br> District and <br> Fed Benefit |
| :---: |
| Under 35 |
| $35-39$ |

## Beneficiaries

\(\left.$$
\begin{array}{lcccc} & & & \begin{array}{c}\text { Combined } \\
\text { District and } \\
\text { Count }\end{array} & \begin{array}{c}\text { Average } \\
\text { District Benefit }\end{array}
$$ <br>

Under 19 \& 14 \& Total Count\end{array}\right]\)| Fed Benefit |
| :---: |
| $20-24$ |

## Inactive Teachers

## Disabled

|  | District <br> Count | 0 | Average <br> District Benefit | Total Count |
| :--- | :---: | :---: | :---: | :---: | | Combined <br> District and <br> Fed Benefit |
| :---: |
| Under 25 |

## Terminated Vested

|  | District <br> Count | Average <br> District Benefit | Total Count |
| :--- | :---: | :---: | :---: | :---: | | Combined <br> District and <br> Fed Benefit |
| :---: |
| Under 25 |
| $25-29$ |

## Inactive Police Officers

Service Retirees

|  | District <br> Count | Average <br> District Benefit | Total Count | Combined <br> District and <br> Fed Benefit |
| :---: | :---: | :---: | :---: | :---: |
| Under 35 | 0 | \$0 | 0 | \$0 |
| 35-39 | 1 | \$22,596 | 1 | \$22,596 |
| 40-44 | 0 | \$0 | 0 | \$0 |
| 45-49 | 25 | \$12,793 | 25 | \$53,744 |
| 50-54 | 232 | \$10,292 | 389 | \$48,816 |
| 55-59 | 228 | \$6,554 | 1,011 | \$44,920 |
| 60-64 | 60 | \$4,421 | 784 | \$45,388 |
| 65-69 | 3 | \$6,141 | 477 | \$45,470 |
| 70-74 | 0 | \$0 | 250 | \$48,534 |
| 75-79 | 0 | \$0 | 123 | \$60,041 |
| 80-84 | 0 | \$0 | 49 | \$63,282 |
| 85-89 | 0 | \$0 | 17 | \$80,439 |
| 90-94 | 0 | \$0 | 6 | \$53,924 |
| 95-99 | 0 | \$0 | 3 | \$45,432 |
| 100 and over | 0 | \$0 | 0 | \$0 |
| Total | 549 | \$8,212 | 3,135 | \$47,046 |

## Beneficiaries

|  |  |  |  | Combined <br> District and <br> Fed Benefit |
| :---: | :---: | :---: | :---: | :---: |
|  | District <br> Count | Average District Benefit | Total Count |  |
| Under 19 | 82 | \$1,778 | 88 | \$4,893 |
| 20-24 | 18 | \$3,376 | 25 | \$11,465 |
| 25-29 | 0 | \$0 | 0 | \$0 |
| 30-34 | 1 | \$1,392 | 2 | \$4,566 |
| 35-39 | 14 | \$12,186 | 18 | \$22,622 |
| 40-44 | 9 | \$11,630 | 16 | \$22,829 |
| 45-49 | 17 | \$5,708 | 43 | \$19,853 |
| 50-54 | 18 | \$3,576 | 97 | \$20,801 |
| 55-59 | 8 | \$4,327 | 147 | \$21,819 |
| 60-64 | 9 | \$4,278 | 145 | \$23,567 |
| 65-69 | 0 | \$0 | 146 | \$24,505 |
| 70-74 | 1 | \$10,155 | 119 | \$26,272 |
| 75-79 | 2 | \$1,649 | 143 | \$25,684 |
| 80-84 | 2 | \$502 | 118 | \$25,604 |
| 85-89 | 0 | \$0 | 118 | \$26,554 |
| 90-94 | 0 | \$0 | 66 | \$27,925 |
| 95-99 | 0 | \$0 | 15 | \$25,056 |
| 100 and over | 0 | \$0 | 3 | \$25,152 |
| Total | 181 | \$4,045 | 1,309 | \$22,781 |

## Inactive Police Officers

## Disabled

|  |  |  |  | Combined <br> District and <br> Fed Benefit |
| :---: | :---: | :---: | :---: | :---: |
|  | District <br> Count | Average District Benefit | Total Count |  |
| Under 25 | 0 | \$0 | 0 | \$0 |
| 25-29 | 2 | \$21,564 | 2 | \$21,564 |
| 30-34 | 8 | \$20,992 | 8 | \$23,172 |
| 35-39 | 48 | \$21,030 | 54 | \$26,125 |
| 40-44 | 60 | \$19,345 | 70 | \$26,643 |
| 45-49 | 44 | \$17,891 | 71 | \$28,811 |
| 50-54 | 42 | \$11,475 | 121 | \$34,558 |
| 55-59 | 10 | \$4,051 | 191 | \$36,360 |
| 60-64 | 3 | \$3,834 | 188 | \$36,694 |
| 65-69 | 0 | \$0 | 143 | \$40,851 |
| 70-74 | 0 | \$0 | 122 | \$42,833 |
| 75-79 | 0 | \$0 | 150 | \$46,828 |
| 80-84 | 0 | \$0 | 98 | \$49,517 |
| 85-89 | 0 | \$0 | 36 | \$48,052 |
| 90-94 | 0 | \$0 | 23 | \$54,369 |
| 95-99 | 0 | \$0 | 6 | \$75,576 |
| 100 and over | 0 | \$0 | 0 | \$0 |
| Total | 217 | \$17,061 | 1,283 | \$38,934 |

## Terminated Vested

$\left.\begin{array}{lcccc} & \begin{array}{c}\text { District } \\ \text { Count }\end{array} & 0 & \begin{array}{c}\text { Average } \\ \text { District Benefit }\end{array} & \end{array} \begin{array}{c}\text { Combined } \\ \text { District and }\end{array}\right)$

## Inactive Firefighters

Service Retirees

|  | District <br> Count | Average <br> District Benefit | Total Count | Combined <br> District and <br> Fed Benefit |
| :---: | :---: | :---: | :---: | :---: |
| Under 35 | 0 | \$0 | 0 | \$0 |
| 35-39 | 0 | \$0 | 0 | \$0 |
| 40-44 | 0 | \$0 | 0 | \$0 |
| 45-49 | 8 | \$14,061 | 8 | \$48,365 |
| 50-54 | 64 | \$14,973 | 77 | \$56,820 |
| 55-59 | 71 | \$10,903 | 148 | \$57,225 |
| 60-64 | 22 | \$5,954 | 241 | \$52,599 |
| 65-69 | 1 | \$3,535 | 233 | \$52,754 |
| 70-74 | 0 | \$0 | 121 | \$52,393 |
| 75-79 | 0 | \$0 | 69 | \$63,280 |
| 80-84 | 0 | \$0 | 22 | \$64,766 |
| 85-89 | 0 | \$0 | 12 | \$72,407 |
| 90-94 | 0 | \$0 | 2 | \$66,930 |
| 95-99 | 0 | \$0 | 0 | \$0 |
| 100 and over | 0 | \$0 | 0 | \$0 |
| Total | 166 | \$11,924 | 933 | \$55,019 |

## Beneficiaries

|  | District <br> Count | Average <br> District Benefit | Total Count | Combined <br> District and <br> Fed Benefit |
| :---: | :---: | :---: | :---: | :---: |
| Under 19 | 27 | \$3,664 | 27 | \$6,635 |
| 20-24 | 4 | \$1,182 | 5 | \$3,038 |
| 25-29 | 0 | \$0 | 1 | \$27,636 |
| 30-34 | 0 | \$0 | 0 | \$0 |
| 35-39 | 1 | \$13,416 | 1 | \$20,628 |
| 40-44 | 1 | \$10,585 | 5 | \$22,411 |
| 45-49 | 2 | \$873 | 10 | \$15,824 |
| 50-54 | 7 | \$4,890 | 20 | \$21,371 |
| 55-59 | 3 | \$1,636 | 29 | \$22,817 |
| 60-64 | 0 | \$0 | 43 | \$23,817 |
| 65-69 | 2 | \$20,560 | 69 | \$24,561 |
| 70-74 | 0 | \$0 | 44 | \$27,021 |
| 75-79 | 0 | \$0 | 77 | \$27,164 |
| 80-84 | 1 | \$2,168 | 63 | \$27,476 |
| 85-89 | 0 | \$0 | 65 | \$28,464 |
| 90-94 | 0 | \$0 | 23 | \$28,107 |
| 95-99 | 0 | \$0 | 8 | \$30,530 |
| 100 and over | 0 | \$0 | 1 | \$24,144 |
| Total | 48 | \$4,413 | 491 | \$24,638 |

## Inactive Firefighters

## Disabled

| I |  |  |  | Combined <br> District and <br> Fed Benefit |
| :---: | :---: | :---: | :---: | :---: |
|  | District <br> Count | Average District Benefit | Total Count |  |
| Under 25 | 0 | \$0 | 0 | \$0 |
| 25-29 | 0 | \$0 | 0 | \$0 |
| 30-34 | 1 | \$20,448 | 1 | \$20,448 |
| 35-39 | 2 | \$22,178 | 2 | \$25,392 |
| 40-44 | 5 | \$22,455 | 5 | \$27,552 |
| 45-49 | 7 | \$15,456 | 14 | \$24,843 |
| 50-54 | 18 | \$10,967 | 45 | \$37,901 |
| 55-59 | 11 | \$4,981 | 41 | \$42,539 |
| 60-64 | 2 | \$620 | 75 | \$42,483 |
| 65-69 | 0 | \$0 | 91 | \$45,253 |
| 70-74 | 0 | \$0 | 62 | \$42,987 |
| 75-79 | 0 | \$0 | 63 | \$49,642 |
| 80-84 | 0 | \$0 | 50 | \$52,844 |
| 85-89 | 0 | \$0 | 42 | \$55,785 |
| 90-94 | 0 | \$0 | 9 | \$65,899 |
| 95-99 | 0 | \$0 | 0 | \$0 |
| 100 and over | 0 | \$0 | 0 | \$0 |
| Total | 46 | \$11,711 | 500 | \$45,363 |

Terminated Vested

| Terminated | District <br> Count | Average <br> District Benefit | Total Count | Combined <br> District and <br> Fed Benefit |
| :---: | :---: | :---: | :---: | :---: |
| Under 25 | 0 | \$0 | 0 | \$0 |
| 25-29 | 2 | \$5,097 | 2 | \$5,097 |
| 30-34 | 1 | \$7,182 | 1 | \$7,182 |
| 35-39 | 3 | \$4,861 | 4 | \$6,774 |
| 40-44 | 3 | \$8,536 | 4 | \$18,299 |
| 45-49 | 3 | \$3,526 | 3 | \$15,772 |
| 50-54 | 3 | \$4,250 | 7 | \$12,370 |
| 55-59 | 0 | \$0 | 2 | \$3,319 |
| 60-64 | 0 | \$0 | 4 | \$9,227 |
| 65-69 | 0 | \$0 | 1 | \$17,230 |
| 70-74 | 0 | \$0 | 1 | \$11,072 |
| 75-79 | 0 | \$0 | 0 | \$0 |
| 80-84 | 0 | \$0 | 0 | \$0 |
| 85-89 | 0 | \$0 | 0 | \$0 |
| 90-94 | 0 | \$0 | 0 | \$0 |
| 95-99 | 0 | \$0 | 0 | \$0 |
| 100 and over | 0 | \$0 | 0 | \$0 |
| Total | 15 | \$5,393 | 29 | \$11,153 |

## Changes in Plan Membership

## Teachers

|  | Actives | Non-Vested Terminations Due Refunds | Vested Terminations | Disabled | Retired | Beneficiaries | Total Participants |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| October 1, 2005 | 5,707 | 3,270 | 758 | 466 | 4,886 | 461 | 15,548 |
| New Entrants | 583 | - | - | - | - | - | 583 |
| Rehires | 48 | (21) | (5) | - | (1) | - | 21 |
| Disabilities | (8) | - | - | 8 | - | - | 0 |
| Retirements | (176) | - | (6) | - | 182 | - | 0 |
| Vested Terminations | (276) | - | 276 | - | - | - | 0 |
| Died, With Beneficiaries' |  |  |  |  |  |  |  |
| Benefit Payable | (5) | - | - | - | (14) | 19 | 0 |
| Died, Without Beneficiary, and Other Terminations | (681) | 674 | (1) | (20) | (148) | - | (176) |
| Transfers | - | - | - | - | - | - | 0 |
| Refund of Contributions | (104) | (86) | (39) | - | - | - | (229) |
| Beneficiary Deaths | - | - | - | - | - | (33) | (33) |
| Domestic Relations Orders | - | - | - | - | - | 1 | 1 |
| Data Corrections/Not Reported | - | 17 | (2) | 1 | 2 | 9 | 27 |
| October 1, 2006 | 5,088* | 3,854 | 981 | 455 | 4,907 | 457 | 15,742 |

## Changes in Plan Membership

## Police Officers

|  | Actives | Non-Vested Terminations Due Refunds | Vested <br> Terminations | Disabled | Retired | Beneficiaries | Total <br> Participants |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| October 1, 2005 | 3,741 | 529 | 213 | 1,258 | 3,153 | 1,263 | 10,157 |
| New Entrants | 218 | - | - | - | - | - | 218 |
| Rehires | 9 | (2) | - | - | - | - | 7 |
| Disabilities | (55) | - | - | 55 | - | - | 0 |
| Retirements | (28) | - | - | - | 28 | - | 0 |
| Vested Terminations | (26) | - | 26 | - | - | - | 0 |
| Died, With Beneficiaries' |  |  |  |  |  |  |  |
| Benefit Payable | (2) | - | (2) | (16) | (21) | 46 | 5 |
| Died, Without Beneficiary, and Other Terminations | (53) | 51 | (2) | (24) | (24) | - | (52) |
| Transfers | - | - | - | - | - | - | 0 |
| Refund of Contributions | (58) | (17) | (20) | - | - | - | (95) |
| Beneficiary Deaths | - | - | - | - | - | (59) | (59) |
| Domestic Relations Orders | - | - | - | - | - | 11 | 11 |
| Data Corrections/Not Reported | 1 | 20 | - | 10 | (1) | 48 | 78 |
| October 1, 2006 | 3,747 | 581 | 215 | 1,283 | 3,135 | 1,309 | 10,270 |

## Changes in Plan Membership

## Firefighters

|  | Actives | Non-Vested Terminations Due Refunds | Vested <br> Terminations | Disabled | Retired | Beneficiaries | Total <br> Participants |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| October 1, 2005 | 1,481 | 188 | 25 | 514 | 932 | 478 | 3,618 |
| New Entrants | 82 | - | - | - | - | - | 82 |
| Rehires | 3 | (1) | - | - | - | - | 2 |
| Disabilities | (4) | - | - | 4 | - | - | 0 |
| Retirements | (19) | - | (1) | - | 20 | - | 0 |
| Vested Terminations | (5) | - | 5 | - | - | - | 0 |
| Died, With Beneficiaries' |  |  |  |  |  |  |  |
| Benefit Payable | (2) | - | - | (13) | (13) | 30 | 2 |
| Died, Without Beneficiary, and Other Terminations | (23) | 23 | - | (5) | (6) | - | (11) |
| Transfers | - | - | - | - | - | - | 0 |
| Refund of Contributions | (4) | (1) | - | - | - | - | (5) |
| Beneficiary Deaths | - | - | - | - | - | (28) | (28) |
| Domestic Relations Orders | - | - | - | - | - | 1 | 1 |
| Data Corrections/Not Reported | - | 1 | - | - | - | 10 | 11 |
| October 1, 2006 | 1,509 | 210 | 29 | 500 | 933 | 491 | 3,672 |

## 1.3: Actuarial Methods and Assumptions

## Actuarial Funding Method

The funding method required by the "Replacement Plan Act" is the Aggregate Funding Method. Under this Method, the District must contribute the level percent of pay that - combined with the actuarial value of assets, expected investment earnings, and future employee contributions - will pay for the benefits of the current participants by the time the current workforce leaves employment.

## Actuarial Assumptions

## Valuation Date

All assets and liabilities are computed as of October 1, 2006.

## Rate of Return

The annual rate of return on all Fund assets is assumed to be $7.25 \%$, net of investment and administrative expenses.

## Cost of Living

The cost of living as measured by the Consumer Price Index (CPI) will increase at the rate of $5.00 \%$ per year.

## Increases in Pay

Assumed pay increases for active members consist of increases due to cost of living adjustments and promotion and increases due to longevity and retention incentives. Cost of living increases are assumed to result in a general wage increase of $5.0 \%$ for all employees. Sample rates for the increases due to promotions are given in the table below. Rates for the longevity and retention incentives are given separately.

| Service | Teachers | Police <br> Officers | Firefighters |
| :---: | :---: | :---: | :---: |
| 0 | $4.000 \%$ | $5.000 \%$ | $2.500 \%$ |
| 5 | $4.000 \%$ | $3.563 \%$ | $2.500 \%$ |
| 10 | $3.000 \%$ | $2.584 \%$ | $2.500 \%$ |
| 15 | $2.000 \%$ | $2.314 \%$ | $2.500 \%$ |
| 20 | $1.000 \%$ | $2.000 \%$ | $2.500 \%$ |
| 25 | $0.159 \%$ | $1.100 \%$ | $2.500 \%$ |
| 30 | $0.393 \%$ | $0.500 \%$ | $2.500 \%$ |
| 35 | $0.331 \%$ | $0.000 \%$ | $2.500 \%$ |
| 40 | $0.270 \%$ | $0.000 \%$ | $0.000 \%$ |

## Active Member Mortality

Rates of mortality for active male teachers are given by the 1994 Uninsured Pension (UP94) Male Table with generational improvement using Projection Scale AA, with a one-year age set forward. Rates of mortality for active female teachers are given by the 1994 Uninsured Pension (UP94) Female Table with generational improvement using Projection Scale AA, with a oneyear age set forward.

## Mortality

Rates of mortality for active male police officers and fire fighters are given by the 1994 Uninsured Pension (UP94) Male Table with generational improvement using Projection Scale AA, with a three-year age set forward. Rates of mortality for active female police officers and firefighters are given by the 1994 Uninsured Pension (UP94) Female Table with generational improvement using Projection Scale AA, with a threeyear age set forward.

To value the pre-retirement death benefit for police officers and firefighters, the benefit form for all retirements (normal or disabled) is assumed to be a $54.2 \%$ Joint and Survivor annuity for all participants.
$25 \%$ of all police officer and fire fighter active deaths are assumed to occur in the line of duty.

## Retired Member Mortality

Rates of mortality for retired male teachers are given by the 1994 Uninsured Pension (UP94) Male Table with generational improvement using Projection Scale AA. Rates of mortality for active female teachers are given by the 1994 Uninsured Pension (UP94) Female Table with generational improvement using Projection Scale AA.

Rates of mortality for active male police officers and firefighters are given by the 1994 Uninsured Pension (UP94) Male Table with generational improvement using Projection Scale AA, with a two-year age set forward. Rates of mortality for active female police officers and firefighters are given by the 1994 Uninsured Pension (UP94) Female Table with generational improvement using Projection Scale AA, with a twoyear age set forward.

## Disabled Member Mortality

Rates of mortality among disabled members are specified for male and female members; separate tables are used for teachers and for public safety disabled members. Sample rates for teachers are as follows:

| Age | Male | Female |
| :---: | ---: | :---: |
| 20 | $2.4000 \%$ | $2.4000 \%$ |
| 30 | $2.4000 \%$ | $2.4000 \%$ |
| 40 | $2.4000 \%$ | $2.4000 \%$ |
| 50 | $2.4545 \%$ | $2.4000 \%$ |
| 60 | $2.5910 \%$ | $2.4000 \%$ |
| 70 | $3.8006 \%$ | $2.4000 \%$ |
| 80 | $7.2111 \%$ | $4.1413 \%$ |
| 90 | $13.1554 \%$ | $10.0013 \%$ |

Sample rates for police officers and firefighters are as follows:

| Age | Male | Female |
| :---: | ---: | ---: |
| 20 | $0.9033 \%$ | $0.5616 \%$ |
| 30 | $0.9033 \%$ | $0.5616 \%$ |
| 40 | $0.9033 \%$ | $0.5616 \%$ |
| 50 | $0.9033 \%$ | $0.5616 \%$ |
| 60 | $1.3029 \%$ | $0.8310 \%$ |
| 70 | $2.6405 \%$ | $1.7147 \%$ |
| 80 | $6.4974 \%$ | $4.2282 \%$ |
| 90 | $15.6801 \%$ | $12.2128 \%$ |

## Service Retirement

Retirement is assumed to occur among teachers in accordance with the table below:

| Age | First Year <br> Eligible | Subsequent <br> Years |
| :---: | :---: | :---: |
| $50-55$ | $20 \%$ | $20 \%$ |
| 56 | $40 \%$ | $20 \%$ |
| $57-59$ | $60 \%$ | $20 \%$ |
| $60-69$ | $20 \%$ | $20 \%$ |
| 70 | $100 \%$ | $100 \%$ |

For police officers and firefighters, the following rates of retirement are assumed.

| Age | Police Officers | Firefighters |
| :---: | :---: | :---: |
| 40 | $7.5 \%$ | $2.0 \%$ |
| 41 | $10.0 \%$ | $3.0 \%$ |
| 42 | $12.0 \%$ | $4.0 \%$ |
| 43 | $15.0 \%$ | $5.0 \%$ |
| 44 | $15.0 \%$ | $5.0 \%$ |
| 45 | $15.0 \%$ | $6.0 \%$ |
| 46 | $15.0 \%$ | $7.0 \%$ |
| 47 | $17.0 \%$ | $8.0 \%$ |
| 48 | $19.0 \%$ | $9.0 \%$ |
| 49 | $21.0 \%$ | $11.0 \%$ |
| 50 | $23.0 \%$ | $13.0 \%$ |
| 51 | $25.0 \%$ | $15.0 \%$ |
| 52 | $25.0 \%$ | $20.0 \%$ |
| 53 | $25.0 \%$ | $25.0 \%$ |
| 54 | $30.0 \%$ | $30.0 \%$ |
| 55 | $40.0 \%$ | $35.0 \%$ |
| 56 | $50.0 \%$ | $35.0 \%$ |
| 57 | $50.0 \%$ | $35.0 \%$ |
| 58 | $50.0 \%$ | $35.0 \%$ |
| 59 | $50.0 \%$ | $35.0 \%$ |
| 60 | $100 \%$ | $100 \%$ |
|  |  |  |

It is assumed that all police officers and firefighters retire after 31 years of service.

## Disability

Separate rates of disability are assumed among teachers, police officers and firefighters, with rates for both sexes combined. Below are sample rates:

| Age | Teachers | Police Officers | Firefighters |
| :---: | :---: | :---: | :---: |
| 25 | $0.0300 \%$ | $0.4383 \%$ | $0.2893 \%$ |
| 30 | $0.0572 \%$ | $0.5750 \%$ | $0.3795 \%$ |
| 35 | $0.0932 \%$ | $0.8500 \%$ | $0.5610 \%$ |
| 40 | $0.1292 \%$ | $1.2500 \%$ | $0.8250 \%$ |
| 45 | $0.2040 \%$ | $1.9633 \%$ | $1.2958 \%$ |
| 50 | $0.3212 \%$ | $3.2500 \%$ | $2.1450 \%$ |
| 55 | $0.5520 \%$ | $5.7750 \%$ | $3.8115 \%$ |
| 60 | $0.5700 \%$ | $8.2500 \%$ | $5.4450 \%$ |
| 65 | $0.0000 \%$ | $8.2500 \%$ | $5.4450 \%$ |

For police officers and firefighters, it is assumed that $50 \%$ of the disabilities are due to accidents in the line of duty. The benefit amount for some members is defined to be based on the " $\%$ of disability." For all police officer and firefighter disabilities, the " $\%$ of disability" is assumed to be $100 \%$.

## Withdrawal

Separate rates of withdrawal/termination are assumed among teachers, police officers, and firefighters, with rates for both sexes combined. Withdrawal rates are not applied to Members eligible for service retirement.

| Age | Teachers | Police Officers | Firefighters |
| :---: | ---: | :---: | :---: |
| 20 | $25.00 \%$ | $12.13 \%$ | $1.60 \%$ |
| 25 | $23.00 \%$ | $6.57 \%$ | $1.60 \%$ |
| 30 | $16.00 \%$ | $4.23 \%$ | $1.60 \%$ |
| 35 | $11.00 \%$ | $2.32 \%$ | $1.60 \%$ |
| 40 | $6.80 \%$ | $1.33 \%$ | $1.60 \%$ |
| 45 | $4.80 \%$ | $1.03 \%$ | $1.60 \%$ |
| 50 | $3.60 \%$ | $0.00 \%$ | $0.00 \%$ |
| 55 | $0.00 \%$ | $0.00 \%$ | $0.00 \%$ |
| 60 | $0.00 \%$ | $0.00 \%$ | $0.00 \%$ |

For police officers and firefighters, all terminations are assumed to result in the withdrawal of contributions, with no further benefits payable. For teachers with more than 5 years of service, terminated employees are expected to receive a deferred vested benefit. Teachers
with less than 5 years of service receive a refund of accumulated contributions.

## Pay for Benefits

Allowances have been made for special increases in Compensation prior to termination or retirement. For police officers, an additional increase of $5 \%$ is given for the Base Retention Differential after 20 years of service. Also, police officers are assumed to receive a longevity increase of $10 \%$ after 20 years of service, and additional increases of $5 \%$ after 25 and 30 years of service. Firefighters are assumed to receive retention incentives of $5 \%, 10 \%, 15 \%$, and $20 \%$ applied to base pay after 15 , 20,25 , and 30 years of service, respectively.

## Family Composition

$64 \%$ of teachers and $80 \%$ of police officers and firefighters are assumed to be married. Male spouses are assumed to be three years older than their wives. Active employees are assumed to have one dependent child aged 10.

## Employment Status

No future transfers among member groups are assumed.

## Actuarial Value of Plan Assets

The actuarial value of District assets is a modified mar-ket-related value. The actuarial value of assets method approved by the Board is defined as the expected actuarial value of assets (assuming a $7.25 \%$ rate of return) plus $1 / 3$ of the difference between the expected and actual market value of assets. There is then a final adjustment made for the effect of the adjustment pursuant to D.C. Code $\$ 1-907.02$ (c). This adjustment is explained and developed in Section 3.5.

The detailed calculation of the actuarial value of District assets is shown in Section 2.5.

## Participant Data

Data on active and inactive members and their beneficiaries as of the valuation date was supplied by the District's Office of Pay and Retirement Services (OPRS), on electronic media. As is usual in studies of this type, member data was neither verified nor audited, but was reviewed for reasonableness.

Certain assumptions were made with respect to information provided by the District of Columbia:

- Charter school teachers data is not available. To account for this group, active liabilities and payroll were increased by $1.5 \%$
- The data is incomplete with respect to former members who have a deferred vested benefit. Thus, benefits for these individuals are assumed based on their service and pay history as available.
- Benefit service has been determined based on employee contribution history.
- Benefit splits between federal and District have been estimated for terminated vested participants with missing benefit amounts based on employee contribution history.
- It is assumed that all Fire and Police members with prior military service will purchase this service. To account for this, an average amount of prior service of 0.4 years based on a prior study is assumed for all Police and Fire members.


## Section 2: <br> Asset Information

## 2.1: Current Value of District Assets as of October 1, 2006

The allocation of benefit payments and investment income between police and fire are approximations based on the most recent information available from the District of Columbia and the D.C. Retirement Board.

| \$ millions | Teachers | Police | Fire | Police \& Fire | Total Fund |
| :---: | :---: | :---: | :---: | :---: | :---: |
| (1) Current Value of Assets as of October 1, 2005 ${ }^{1}$ | \$1,145.6 | \$1,424.6 | \$553.9 | \$1,978.5 | \$3,124.1 |
| (2) FY 2006 District Contributions | \$15.5 | \$86.9 | \$30.6 | \$ 117.5 | \$ 133.0 |
| (3) FY 2006 Employee Contributions | \$25.1 | \$17.9 | \$7.2 | \$ 25.1 | \$ 50.2 |
| (4) FY 2006 Actual Benefit Payments ${ }^{2}$ | \$(8.1) | \$(3.2) | \$(0.3) | \$(3.5) | \$(11.6) |
| (5) FY 2006 Investment Earnings ${ }^{3}$ | \$122.2 | \$146.4 | \$57.2 | \$ 203.6 | \$ 325.8 |
| (6) Actual Current Value of Assets as of October 1, 2006 | \$1,300.3 | \$1,672.6 | \$648.6 | \$2,321.2 | \$3,621.5 |
| (7) Benefits Payable for FY 2006 | \$(15.9) | \$(10.1) | \$(2.9) | \$(13.0) | \$(28.9) |
| (8) Final Current Value of Assets as of October 1, 2006 | \$1,284.4 | \$1,662.5 | \$645.7 | \$2,308.2 | \$3,592.6 |
| (9)Approximate Rate of Return |  |  |  |  |  |
|  |  |  |  |  | 9.8\% |

1 The current value of assets as of October 1, 2005 was equal to the market value less estimated benefits payable of $\$ 12.4$ million for the Teachers, $\$ 7.2$ million for the Police Officers, and $\$ 2.1$ million for the Fire Fighters.

2 The fund paid $\$ 21.7$ million in benefits which was already reflected as benefits payable.

3 Net of transferred amounts

## 2.2: Actuarial Value of District Assets as of October 1, 2006

The current actuarial value of assets method approved by the Board is the expected actuarial value of assets (assuming a $7.25 \%$ return on the previous year's AVA) plus one-third of the difference between the expected and actual current value of assets. There is then a final adjustment made for the effect of the adjustment pursuant to D.C. Code $\S 1-$ 907.02(c).

| \$ millions | Teachers | Police | Fire | Police \& Fire | Total Fund |
| :---: | :---: | :---: | :---: | :---: | :---: |
| (1) Actuarial Value of Assets as of October 1, 2005 | \$1,104.6 | \$1,392.5 | \$541.1 | \$1,933.6 | \$3,038.2 |
| (2) FY 2006 District Contributions | \$15.5 | \$86.9 | \$30.6 | \$ 117.5 | \$ 133.0 |
| (3) FY 2006 Employee Contributions | \$25.1 | \$17.9 | \$7.2 | \$ 25.1 | \$ 50.2 |
| (4) FY 2006 Estimated Benefit Payments | \$(24.0) | \$(13.3) | \$(3.2) | \$(16.5) | \$(40.5) |
| (5) FY 2006 Expected Investment Earnings ${ }^{4}$ | \$86.3 | \$103.5 | \$40.4 | \$ 143.9 | \$ 230.2 |
| (6) Expected Actuarial Value of Assets as of October 1, 2006 | \$1,207.5 | \$1,587.5 | \$616.1 | \$2,203.6 | \$3,411.1 |
| (7) Final Current Value of Assets as of October 1, 2006 | \$1,284.4 | \$1,662.5 | \$645.7 | \$2,308.2 | \$3,592.6 |
| (8) Smoothed Value of Assets as of October 1, $2006[(6)+1 / 3 \times(7-6)]$ | \$1,233.1 | \$1,612.5 | \$626.0 | \$2,238.5 | \$3,471.6 |
| (9) Present Value of D.C. Code $\$ 1$-907.02(c) Adjustment | \$(3.1) | \$10.0 | \$4.1 | \$14.1 | \$11.0 |
| (10) Final Actuarial Value of Assets as of October 1, $2006[(8)+(9)]$ | \$1,230.0 | \$1,622.5 | \$630.1 | \$2,252.6 | \$3,482.6 |
| (11) Approximate Rate of Return (on AVA) | 9.6\% | 9.2\% | 9.2\% | 9.2\% | 9.3\% |

4 Net of transferred amounts

## Section 3: Actuarial Computations

## 3.1: Computation of Fiscal Year 2008 District Payment

This table shows the development of the fiscal year 2008 District payment. It represents the values used in the Required Actuarial Certification under D.C. Code $\$ 1-907$.

| \$ millions | Teachers | Police | Fire | Total |
| :---: | :---: | :---: | :---: | :---: |
| (1) Present Value of Future |  |  |  |  |
| District Benefits | \$1,530.1 | \$2,830.0 | \$1,074.3 | \$5,434.4 |
| (2) Actuarial Value of Assets |  |  |  |  |
| (Section 3.2) | \$1,230.0 | \$1,622.5 | \$630.1 | \$3,482.6 |
| (3) Present Value of Future |  |  |  |  |
| Employee Contributions | \$228.8 | \$200.1 | \$85.5 | \$ 514.4 |
| (4) Present Value of Future |  |  |  |  |
| Normal Costs [(1) - (2) - (3), not less than \$0] | \$ 71.3 | \$1,007.4 | \$ 358.7 | \$1,437.4 |
| (5) Present Value Future |  |  |  |  |
| Payroll | \$3,008.0 | \$2,671.3 | \$1,137.3 | \$6,816.6 |
| (6) Normal Contribution |  |  |  |  |
| Rate [(4) $\div(5)$ ] | 2.4\% | 37.7\% | 31.5\% | n/a |
| (7) Projected FY 2008 Payroll | \$338.4 | \$263.2 | \$105.5 | \$ 707.1 |
| (8) Projected FY 2008 |  |  |  |  |
| Payment Before $\$ 1-907.02$ (c) $[(6) \times(7)]$ | \$8.1 | \$99.2 | \$33.2 | \$ 140.5 |
| (9) D.C. Code §1-907.02(c) |  |  |  |  |
| Adjustment (Section 3.3) | \$(2.1) | \$4.0 | \$0.6 | \$2.5 |
| (10) FY 2008 Payment |  |  |  |  |
| [(8) + (9), not less than \$0] | \$6.0 | \$103.2 | \$33.8 | \$ 143.0 |

## 3.2: Computation of Gain/Loss from Prior Valuation - Total Plan

This table shows the development of the gains \& losses for the FY 2008 payment. Changes are due to (in order): non-salary based demographics, salary changes, asset returns, and new entrants.

| \$ millions | 2005 Results | 2006 Results, Returning Members, Expected Salaries, Expected Assets | 2006 Results, Returning Members, Expected Salaries, Expected Assets | 2006 Results, Returning Members, Actual Salaries, Actual Assets | 2006 Results, All Members, Actual Salaries, Actual Assets |
| :---: | :---: | :---: | :---: | :---: | :---: |
| (1) Present Value of Future District Benefits | \$5,107.8 | \$5,315.2 | \$5,275.5 | \$5,275.5 | \$5,434.4 |
| (2) Actuarial Value of Assets | 3,038.2 | 3,422.1 | 3,422.1 | 3,482.6 | 3,482.6 |
| (3) Present Value of Future Employee Contributions | s 531.6 | 477.6 | 476.3 | 476.3 | 514.3 |
| (4) Present Value of Future Normal Costs | \$1,538.0 | \$1,415.4 | \$1,377.1 | \$1,316.6 | \$1,437.5 |
| (5) Present Value Future Payroll | \$7,102.7 | \$6,361.2 | \$6,341.4 | \$6,341.4 | \$6,816.6 |
| (6) Normal Contribution Rate | 20.9\% | 21.1\% | 20.7\% | 19.7\% | 19.9\% |
| (7) Projected FY 2008 Payroll | \$698.41 | \$672.2 | \$667.2 | \$667.2 | \$707.0 |
| (8) Projected FY 2008 Payment before Adjustments | \$146.01 | \$141.7 | \$137.8 | \$131.5 | \$140.5 |
| (9) (Gain)/Loss (\% of payroll) | N/A | 0.2\% | (0.4)\% | (1.0)\% | 0.2\% |
| (10) (Gain)/Loss (\$ Amount) | N/A | \$(4.3) | \$(3.9) | \$(6.3) | \$9.0 |

## Teachers' Retirement Fund Gain/Loss

This table shows the development of the gains \& losses for the FY 2008 payment. Changes are due to (in order): non-salary based demographics, salary changes, asset returns, and new entrants.

| \$ millions | 2005 Results | 2006 Results, Returning Members, Expected Salaries, Expected Assets | 2006 Results, Returning Members, Expected Salaries, Expected Assets | 2006 Results, Returning Members, Actual Salaries, Actual Assets | 2006 Results All Members <br> Actual <br> Salaries, <br> Actual <br> Assets |
| :---: | :---: | :---: | :---: | :---: | :---: |
| (1) Present Value of Future District Benefits | \$1,502.5 | \$1,484.9 | \$1,484.5 | \$1,484.5 | \$1,530.1 |
| (2) Actuarial Value of Assets | 1,104.6 | 1,204.4 | 1,204.4 | 1,230.0 | 1,230.0 |
| (3) Present Value of Future Employee Contributions | s 247.4 | 207.8 | 208.9 | 208.9 | 228.8 |
| (4) Present Value of Future Normal Costs | \$150.5 | \$72.7 | \$71.2 | \$45.6 | \$71.3 |
| (5) Present Value Future Payroll | \$3,306.7 | \$2,746.5 | \$2,759.4 | \$2,759.4 | \$3,008.0 |
| (6) Normal Contribution Rate | 4.6\% | 2.6\% | 2.6\% | 1.7\% | 2.4\% |
| (7) Projected FY 2008 Payroll | \$342.12 | \$313.2 | \$312.3 | \$312.3 | \$322.3 |
| (8) Projected FY 2008 Payment before Adjustments | \$15.71 | \$8.1 | \$8.1 | \$5.3 | \$8.1 |
| (9) (Gain)/Loss (\% of payroll) | N/A | (2.0)\% | 0.0\% | (0.9)\% | 0.7\% |
| (10) (Gain)/Loss (\$ Amount) | N/A | \$(7.6) | \$0.0 | \$(2.8) | \$2.8 |

## Police Officers' Retirement Fund Gain/Loss

This table shows the development of the gains \& losses for the FY 2008 payment. Changes are due to (in order): non-salary based demographics, salary changes, asset returns, and new entrants.

| \$ millions | 2005 Results | 2006 Results, Returning Members, Expected Salaries, Expected Assets | 2006 Results, Returning Members, Expected Salaries, Expected Assets | 2006 Results, Returning Members, Actual Salaries, Actual Assets | 2006 Results All Members Actual Salaries, Actual Assets |
| :---: | :---: | :---: | :---: | :---: | :---: |
| (1) Present Value of Future District Benefits | \$2,624.4 | \$2,781.7 | \$2,750.4 | \$2,750.4 | \$2,830.0 |
| (2) Actuarial Value of Assets | 1,392.5 | 1,597.5 | 1,597.5 | 1,622.5 | 1,622.5 |
| (3) Present Value of Future Employee Contributions | s 202.2 | 189.6 | 187.4 | 187.4 | 200.1 |
| (4) Present Value of Future Normal Costs | \$1,029.7 | \$994.6 | \$965.5 | \$940.5 | \$1,007.4 |
| (5) Present Value Future Payroll | \$2,709.1 | \$2,542.0 | \$2,513.3 | \$2,513.3 | \$2,671.3 |
| (6) Normal Contribution Rate | 38.0\% | 39.1\% | 38.4\% | 37.4\% | 37.7\% |
| (7) Projected FY 2008 Payroll | \$257.73 | \$256.3 | \$253.1 | \$253.1 | \$263.2 |
| (8) Projected FY 2008 Payment before Adjustments | \$97.91 | \$100.2 | \$97.2 | \$94.7 | \$99.2 |
| (9) (Gain)/Loss (\% of payroll) | N/A | 1.1\% | (0.7)\% | (1.0)\% | 0.3\% |
| (10) (Gain)/Loss (\$ Amount) | N/A | \$2.3 | \$(3.0) | \$(2.5) | \$4.5 |

8 Applies to Fiscal Year 2007

## Firefighters' Retirement Fund Gain/Loss

This table shows the development of the gains \& losses for the FY 2008 payment. Changes are due to (in order): non-salary based demographics, salary changes, asset returns, and new entrants.

| \$ millions | 2005 Results | 2006 Results, Returning Members, Expected Salaries, Expected Assets | 2006 Results, Returning Members, Expected Salaries, Expected Assets | 2006 Results, Returning Members, Actual Salaries, Actual Assets | 2006 Results, All Members, Actual Salaries, Actual Assets |
| :---: | :---: | :---: | :---: | :---: | :---: |
| (1) Present Value of Future District Benefits | \$980 | \$1,048.6 | \$1,040.6 | \$1,040.6 | \$1,074.3 |
| (2) Actuarial Value of Assets | 541.1 | 620.2 | 620.2 | 630.1 | 630.1 |
| (3) Present Value of Future Employee Contributions | s 81.9 | 80.3 | 80.0 | 80.0 | 85.4 |
| (4) Present Value of Future Normal Costs | \$357.9 | \$348.1 | \$340.4 | \$330.5 | \$358.8 |
| (5) Present Value Future Payroll | \$1,086.9 | \$1,072.7 | \$1,068.6 | \$1,068.6 | \$1,137.3 |
| (6) Normal Contribution Rate | 32.9\% | 32.5\% | 31.9\% | 30.9\% | 31.5\% |
| (7) Projected FY 2008 Payroll | \$98.64 | \$102.8 | \$101.8 | \$101.8 | \$105.5 |
| (8) Projected FY 2008 Payment before Adjustments | \$32.41 | \$33.4 | \$32.5 | \$31.5 | \$33.2 |
| (9) (Gain)/Loss (\% of payroll) | N/A | (0.4)\% | (0.6)\% | (1.0)\% | 0.6\% |
| (10) (Gain)/Loss (\$ Amount) | N/A | \$1.0 | \$(0.9) | \$(1.0) | \$1.7 |

9 Applies to Fiscal Year 2007

## 3.3: Summary of Principal Valuation Results

## Teachers' Retirement Fund

(\$ in millions)

## Participant Data

|  | October 1, 2006 | $\underline{\text { October 1, 2005 }}$ | Change |
| :--- | :---: | :---: | ---: |
| Active Members |  |  | $(9.6) \%$ |
| Hired Prior to November 16, 1996 | 2,219 | 2,454 | $(11.8) \%$ |
| Hired After November 16, 1996 | 2,869 | 3,253 | $(10.8) \%$ |
| Total Active | 5,088 | 5,707 |  |
| Retired Members, Beneficiaries and | 2,787 |  | $16.4 \%$ |
| Terminated Vested (Post June 30, 1997) | 7,875 | 2,397 | $(2.8) \%$ |
| Total Participants | $\$ 322.3$ | 8,104 | $(1.1) \%$ |
| Annual Salaries of Active Members | $\$ 325.8$ |  |  |
| Annual Retirement Benefits for Retirees \& | $\$ 15.9$ | $\$ 14.3$ | $11.2 \%$ |

## Assets and Liabilities

| Present Value of Future District Benefits | $\$ 1,530.1$ | $\$ 1,502.5$ | $1.8 \%$ |
| :--- | ---: | ---: | ---: |
| District Assets for Valuation Purposes (Actuarial Value) | $1,230.0$ | $1,104.6$ | $11.4 \%$ |
| Present Value of Future Employee Contributions | 228.8 | 247.4 | $(7.5) \%$ |
| Present Value of Future District Contributions | 71.3 | 150.5 | $(52.6) \%$ |
| Present Value of Future Salaries | $3,008.0$ | $3,306.7$ | $(9.0) \%$ |
| Current Value of |  |  |  |
| DistrictAssets (Market Value) | $1,284.4$ | $1,145.6$ | $12.1 \%$ |

## Contribution Results

|  | FY 2008 | FY 2007 | Change |
| :--- | ---: | ---: | ---: |
| Normal Contribution Rate | $2.4 \%$ | $4.6 \%$ | $(47.8) \%$ |
| Projected Payroll | $\$ 338.4$ | $\$ 342.1$ | $(1.1) \%$ |
| District Payment Before Adjustment | $\$ 8.1$ | $\$ 15.7$ | $(48.4) \%$ |
| District Payment After Adjustment | $\$ 6.0$ | $\$ 14.6$ | $(58.9) \%$ |

## Police Officers' and Firefighters' Retirement Fund (Combined)

(\$ in millions)

## Participant Data

|  | October 1,2006 | October 1, 2005 | Change |
| :---: | :---: | :---: | :---: |
| Active Members |  |  |  |
| Hired Prior to February 15, 1980 | 158 | 201 | (21.4)\% |
| Hired Between February 15, 1980 and November 10, 1996 | 6 2,933 | 3,011 | (2.6)\% |
| Hired After November 10, 1996 | 2,165 | 2,010 | 7.7\% |
| Total | 5,256 | 5,222 | 0.7\% |
| Retired Members, Beneficiaries and |  |  |  |
| Terminated Vested (Post June 30, 1997) | 1,301 | 1,141 | 13.5\% |
| Total Participants | 6,557 | 6,363 | 3.0\% |
| Annual Salaries of Active Members | \$351.0 | \$339.3 | 3.4\% |
| Annual Retirement Benefits for Retirees \& |  |  |  |
| Beneficiaries (Post June 30, 1997) | \$13.0 | \$10.4 | 25.0\% |
| Assets and Liabilities |  |  |  |
| Present Value of Future District Benefits | \$3,904.3 | \$3,605.3 | 8.3\% |
| District Assets for Valuation Purposes (Actuarial Value) | 2,252.6 | 1,933.6 | 16.5\% |
| Present Value of Future Employee Contributions | 285.6 | 284.1 | 0.5\% |
| Present Value of Future District Contributions | 1,366.1 | 1,387.6 | (1.5)\% |
| Present Value of Future Salaries | 3,808.6 | 3,796.0 | 0.3\% |
| Current Value of District Assets |  |  |  |
| (Market Value) | 2,308.2 | 1,978.5 | 16.7\% |

## Contribution Results

|  | $\underline{\text { FY 2008 }}$ | $\underline{\text { FY 2007 }}$ | Change |
| :--- | ---: | ---: | ---: |
| Normal Contribution Rate | $35.9 \%$ | $36.6 \%$ | $(1.9) \%$ |
| Projected Payroll | $\$ 368.7$ | $\$ 356.3$ | $3.5 \%$ |
| District Payment Before Adjustment | $\$ 132.4$ | $\$ 130.3$ | $1.6 \%$ |
| District Payment After Adjustment | $\$ 137.0$ | $\$ 140.1$ | $(2.2) \%$ |

## Police Officers Retirement Fund

(\$ in millions)

## Participant Data

|  | October 1, 2006 | October 1, 2005 | Change |
| :---: | :---: | :---: | :---: |
| Active Members |  |  |  |
| Hired Prior to February 15, 1980 | 72 | 97 | (25.8)\% |
| Hired Between February 15, 1980 and |  |  |  |
| November 10, 1996 | 2,138 | 2,212 | (3.3)\% |
| Hired After November 10, 1996 | 1,537 | 1,432 | 7.3\% |
| Total Active | 3,747 | 3,741 | 0.2\% |
| Retired Members, Beneficiaries and |  |  |  |
| Terminated Vested (Post June 30, 1997) | 1,026 | 901 | 13.3\% |
| Total Participants | 4,773 | 4,642 | 2.8\% |
| Annual Salaries of Active Members | \$250.6 | \$245.4 | 2.1\% |
| Annual Retirement Benefits for Retirees \& |  |  |  |
| Beneficiaries (Post June 30, 1997) | \$10.1 | \$8.1 | 24.7\% |

## Assets and Liabilities

| Present Value of Future District Benefits | $\$ 2,830.0$ | $\$ 2,624.4$ | $7.8 \%$ |
| :--- | ---: | ---: | ---: |
| District Assets for Valuation Purposes (Actuarial Value) | $1,622.5$ | $1,392.5$ | $16.5 \%$ |
| Present Value of Future Employee Contributions | 200.1 | 202.2 | $(1.0) \%$ |
| Present Value of Future District Contributions | $1,007.4$ | $1,029.7$ | $(2.2) \%$ |
| Present Value of Future Salaries | $2,671.3$ | $2,709.1$ | $(1.4) \%$ |
| Current Value of District Assets |  |  |  |
| (Market Value) | $1,662.5$ | $1,424.6$ | $16.7 \%$ |

## Contribution Results

|  | $\underline{F Y} 2008$ | $\underline{F Y} 2007$ | Change |
| :--- | ---: | ---: | ---: |
| Normal Contribution Rate |  |  | $(0.8) \%$ |
| Projected Payroll | $37.7 \%$ | $38.0 \%$ | $\$ 257.7$ |
| District Payment Before Adjustment | $\$ 263.2$ | $\$ 97.9$ | $2.1 \%$ |
| District Payment After Adjustment | $\$ 103.2$ | $\$ 104.2$ | $1.3 \%$ |
|  |  |  | $(1.0) \%$ |

## Firefighters' Retirement Fund

(\$ in millions)

Participant Data

|  | October 1, 2006 | October 1, 2005 | Change |
| :---: | :---: | :---: | :---: |
| Active Members |  |  |  |
| Hired Prior to February 15, 1980 | 86 | 104 | (17.3)\% |
| Hired Between February 15, 1980 and November 10, 1996 | 96795 | 799 | (0.5)\% |
| Hired After November 10, 1996 | 628 | 578 | 8.7\% |
| Total Active | 1,509 | 1,481 | 1.9\% |
| Retired Members, Beneficiaries and |  |  |  |
| Terminated Vested (Post June 30, 1997) | 275 | 240 | 14.2\% |
| Total Participants | 1,784 | 1,721 | 3.7\% |
| Annual Salaries of Active Members | \$100.4 | \$93.9 | 6.9\% |
| Annual Retirement Benefits for Retirees \& |  |  |  |
| Beneficiaries (Post June 30, 1997) | \$2.9 | \$2.3 | 26.1\% |
| Assets and Liabilities |  |  |  |
| Present Value of Future District Benefits | \$1,074.3 | \$980.9 | 9.5\% |
| District Assets for Valuation Purposes (Actuarial Value) | 630.1 | 541.1 | 16.4\% |
| Present Value of Future Employee Contributions | 85.5 | 81.9 | 4.4\% |
| Present Value of Future District Contributions | 358.7 | 357.9 | 0.2\% |
| Present Value of Future Salaries | 1,137.3 | 1,086.9 | 4.6\% |
| Current Value of District Assets |  |  |  |
| (Market Value) | 645.7 | 553.9 | 16.6\% |
| Contribution Results |  |  |  |
|  | FY 2008 | FY 2007 | Change |
| Normal Contribution Rate | 31.5\% | 32.9\% | (4.3)\% |
| Projected Payroll | \$105.5 | \$98.5 | 7.1\% |
| District Payment Before Adjustment | 33.2 | 32.4 | 2.5\% |
| District Payment After Adjustment | 33.8 | 35.9 | (5.8)\% |

## 3.4: Accrued Liabilities under the Entry Age Normal Method

The Governmental Accounting Standards Board (GASB) has recently announced proposed revisions to Standards 25 and 27, which would require "disclosure by governments that use the aggregate actuarial cost method of the funded status and present a multiyear schedule of funding progress using the entry age actuarial cost method as a surrogate." This is because the Aggregate method does not explicitly define an accrued liability.

The table below shows the present value of the future

District benefits, as well as the value of the District benefits accrued based on past service based on the Entry Age Normal method, which assigns total liabilities to past service (accrued liabilities), current service (normal cost), and future service (future normal costs). The actuarial assumptions (demographic and economic) used for the calculations in the table below are the same as were used to determine the required contributions. These assumptions are described in detail in Section 1.3, and summarized in Section 4.1 of this report.

Present Value of Future District Benefits as of October 1, 2006

| (\$ millions) | Teachers | Police | $\underline{\text { Fire }}$ | Total |
| :--- | ---: | ---: | ---: | ---: |
| Active Present Value of Future District Benefits | $\$ 1,208.8$ | $\$ 2,589.1$ | $\$ 1,012.4$ | $\$ 4,810.3$ |
|  |  |  |  |  |
| Inactive Present Value of Future District Benefits |  |  | 42.4 | 405.2 |
| Retirees | 265.1 | 97.7 | 15.6 | 153.9 |
| $\quad$ Disabled Employees | 19.9 | 118.4 |  |  |
| Beneficiaries |  |  | 17.7 | 3.0 |
| $\quad$ (including QDRO) | 5.3 | 7.1 | 0.9 | 36.0 |
| $\quad$ Terminated Vested | 31.0 | 240.9 | 61.9 | 624.1 |
| Total Inactive | 321.3 |  |  |  |
|  |  | $\$ 1,530.1$ | $\$ 2,830.0$ | $\$ 1,074.3$ |

Accrued Liabilities for District Benefits as of October 1, 2006

| Active Accrued Liability | $\$ 784.7$ | $\$ 1,587.4$ | $\$ 568.8$ | $\$ 2,940.9$ |
| :--- | ---: | ---: | ---: | ---: |
| Inactive Accrued Liability | 321.3 | 240.9 | 61.9 | 624.1 |
| Total Accrued Liability (AL) | $\$ 1,106.0$ | $\$ 1,828.3$ | $\$ 630.7$ | $\$ 3,565.0$ |
|  |  |  |  |  |
| Actuarial Value of Assets (AVA) | $\$ 1,230.0$ | $\$ 1,622.5$ | $\$ 630.1$ | $\$ 3,482.6$ |
| Market Value of Assets (MVA) | $\$ 1,284.4$ | $\$ 1,662.5$ | $\$ 645.7$ | $\$ 3,592.6$ |
|  |  |  |  |  |
| AVA Funding Ratio (AVA/AL) | $111.2 \%$ | $88.7 \%$ | $99.9 \%$ | $97.7 \%$ |
| MVA Funding Ratio (MVA/AL) | $116.1 \%$ | $90.9 \%$ | $102.4 \%$ | $100.8 \%$ |

## 3.5: §1-907.02(c) Adjustment to the Fiscal Year 2008 District Payment

Beginning in fiscal year 2001, the District payment was adjusted pursuant to D.C. Code $\$ 1-907.02$ (c). This section stipulates that " ... the enrolled actuary shall determine whether the amount appropriated for the applicable fiscal year resulted in an overpayment or a shortfall based upon the actual covered payroll."

The D.C. Code $\$ 1-907.02$ (c) adjustment to the fiscal year 2008 District payment is calculated by taking the actual fiscal year 2006 covered payroll for each employee class (which is provided by the District) and multiplying by the corresponding fiscal year 2006 normal
contribution rates, which were determined as of October 1, 2004. This result is the fiscal year 2006 contribution that was required to be made by the District. The required contribution is then compared to the actual fiscal year 2006 contribution paid by the District. The difference between the required and actual contributions is the preliminary D.C. Code $\$ 1-907.02$ (c) adjustment.

For FY 2007, none of the groups has a credit balance, therefore there is no carryover amount that can be applied in future years.

| $\$$ millions | Teachers | Police | Fire |
| :--- | :---: | :---: | :---: |
| (1) Actual FY 2006 Covered Payroll | $\$ 316.2$ | $\$ 237.6$ | $\$ 92.0$ |
| (2) FY 2006 Normal Contribution Rate | $4.3 \%$ | $38.0 \%$ | $33.7 \%$ |
| (3) Actual FY 2006 Contribution Required | $\$ 13.6$ | $\$ 90.3$ | $\$ 31.0$ |
| (4) Actual FY 2006 Contribution Paid | $\$ 15.7$ | $\$ 86.3$ | $\$ 30.4$ |
| (5) Preliminary D.C. Code $\S 1-907.02(c)$ Adjustment to |  |  | $\$ 0.6$ |
| FY 2008 Payment [(3)- (4)] | $\$(2.1)$ | $\$ 4.0$ | $\$ 0.0$ |
| (6) FY 2007 Unrecognized Amount | $\$ 0.0$ | $\$ 0.0$ | $\$ 0.0$ |
| (7) Final D.C. Code $\$ 1-907.02(c)$ Adjustment to FY 2008 Payment |  |  | $\$(2.1)$ |
| [(5) + (6)] |  | $\$ 4.0$ | $\$ 0.6$ |

## Section 4: Disclosure Information

## 4.1: Schedules of Funding Status and Employer Contributions Required Under GASB Statement No. 25

The Governmental Accounting Standards Board (GASB) Statements No. 25 and 27 relate to the disclosure of pension liabilities shown in public employers' financial statements. For accounting periods beginning after June 15, 1996, information required under these statements must be prepared for public employers who seek compliance with generally accepted accounting principles (GAAP) on behalf of their public employee retirement systems.

GASB Statement No. 25 requires preparation of schedules of funding status and employer contributions, as well as the disclosure of plan provisions, actuarial assumptions, and other information.

The required schedules are shown below. In each case, we have relied upon information from our files and contained in the reports of other actuaries employed by the District in completing the schedules. While we have no reason to believe that this information is inaccurate, we strongly recommend that employer personnel verify the schedules below before they are included in the District's financial statements.

The District of Columbia Retirement Board uses the Aggregate actuarial cost method and is therefore not required to disclose a schedule of funding progress. There is a proposal (in exposure draft format at the time of this report) which would require funds using the Aggregate method to disclose funding status information based on Entry Age Normal (EAN) calculations. The numbers shown below have been determined based on this actuarial cost method.

|  |  | EAN | Unfunded |  | Unfunded <br> Liability as a |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Actuarial | Actuarial | Actuarial | Actuarial |  |  | Covered |

## Schedule of Employer Contributions

(\$ in Millions)

|  | Police Officers and |
| :--- | :---: | :---: |
| Teachers' Retirement Fund | Fire Fighters' Retirement Fund |


|  | Annual <br> Year <br> Ending | Required <br> Contribution | Percentage <br> Contributed | Annual <br> Required <br> Contribution | Percentage <br> Contributed | Annual <br> Required <br> Contribution |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | | Percentage |
| :---: |
| Contributed |

The table below summarizes certain information about this actuarial report.

Valuation date
Actuarial cost method for Contributions
Actuarial cost method for Accrued Liabilities
Amortization method
Remaining amortization period
Asset valuation method

Actuarial assumptions:

| Investment rate of return |  |
| :--- | :--- |
| Projected salary increases | $7.25 \%$ |
|  | $5.4 \%-9.0 \%$ for Teachers, $5.5 \%-10.0 \%$ for Police |
|  | Officers and Fire Fighters |
| Includes inflation at | $5.0 \%$ |
| Cost of living adjustments | $5.0 \%$ |

October 1, 2006
Aggregate
Entry Age Normal
N/A
N/A
Actuarial value: $1 / 3$ Excess earnings subtracted from expected actuarial value.
5.0\%
(COLA limited to $3.0 \%$ for those hired after November 10, 1996)


[^0]:    'These amounts are net of the following benefits payable as of September 30, 2006
    $\$ 15.9$ million for Teachers, $\$ 10.1$ million for Police, and $\$ 2.9$ million for Fire.

[^1]:    (1) Net interest margin is fully taxable-equivalent net interest revenue divided by average interest-earning assets.
    (2) Fully taxable-equivalent revenue is a method of presentation in which the tax savings achieved by investing in tax-exempt securities are included in interest revenue with a corresponding charge to income tax expense. This method facilitates the comparison of the performance of tax-exempt and taxable securities. The adjustment is computed using a federal income tax rate of $35 \%$, adjusted for applicable state income taxes, net of the related federal-tax benefit. The fully taxable-equivalent adjustments included in interest revenue above were $\$ 45$ million, $\$ 42$ million and $\$ 45$ million for the years ended December 31, 2006, 2005 and 2004, respectively.

[^2]:    'See Appendix B, Benchmarks, Universes and Definitions.
    Note: Total Fund Benchmark eatimated for 3Q06.

[^3]:    - Demographic experience combined with the effects of improved data quality, specifically pay information, resulted in an increase in the normal contribution rate of $1.1 \%$ of pay, a $\$ 2.3$ million increase in the contribution. More detailed information regarding changes in membership is shown in Section 1.2 of this Report.
    - Pay increases in aggregate were lower than expected. There was a gain due to lower than expected pay increases, resulting in a decrease in the normal rate of $0.7 \%$ of payroll, or $\$ 3.0$ million.

