# DISTRICT OF COLUMBIA RETIREMENT BOARD 



FISCAL YEAR 2001 ANNUAL REPORT

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1400 L Street, NW
Suite 300
Washington, DC 20005
(202) 535-1271
(202) 535-1414 (Fax)

DISTRICT OF COLUMBIA RETIREMENT BOARD MEMBERS
(As of September 30, 2001)

| Name | Representing | Term Exp. Date |
| :---: | :---: | :---: |
| Barbara Davis Blum 2231 Bancroft Place, NW, \#3A Washington, DC 20008 | Appointed by the Mayor | 1/27/2004 |
| Mary A. Collins 7503 Jaywick Avenue Ft. Washington, MD 20744 | Elected by the Active Teachers | 1/27/2005 |
| Shireen L. Dodson <br> 1313 Emerson Street, N.W. <br> Washington, DC 20011 | Appointed by the Council | 1/27/2004 |
| Betty Ann Kane 118 Fifth Street, N.E. Washington, DC 20002 | Appointed by the Council | 1/27/2005 |
| Brian K. Lee 1023 Phair Road Laurel, MD 20707 | Elected by the Active Firefighters | 1/27/2005 |
| Judith C. Marcus 8221 Lakenheath Way Potomac, MD 20854 | Elected by the Retired Teachers | 1/27/2002 |
| Michael J. McNally 14804 Fothergil Court Burtonsville, MD 20866 | Elected by the Retired Firefighters | 1/27/2004 |
| Darrick O. Ross 13813 Courtland Lane | Elected by the Active <br> Metropolitan Police Officers | 1/27/2003 |

Upper Marlboro, MD 20772
William H. Simons
1917 Randolph Street, NE
Washington, DC 20018
George R. Suter
3308 Sandburg Terrace
Olney, MD 20832-2531
Lenda P. Washington
1716 Allison Street, N.W.
Washington, DC 20013

## DISTRICT OF COLUMBIA RETIREMENT BOARD STAFF

(As of September 30, 2001)

| Employee's Name | Position |
| :--- | :--- |
| Jorge Morales | Executive Director |
| Valerie Borden | Program Analyst |
| Bruce Gamble | General Counsel |
| Florence Jones | Financial Clerical Assistant |
| Sheila Morgan-Johnson | Chief Investment Officer |
| Rhonda O'Neal | Senior Accountant |
| Denice Patterson | Administrative Assistant |
| Michael Slavin | Deputy Director, Operations \& Benefits |
| Julius Terrell | Associate General Counsel |

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## Report Narrative

## DISTRICT OF COLUMBIA RETIREMENT BOARD FISCAL YEAR 2001 ANNUAL REPORT

## I. INTRODUCTION

The District of Columbia Retirement Board (the "Board") was established as an independent agency of the District of Columbia government by the U.S. Congress on November 17, 1979, through enactment of the District of Columbia Retirement Reform Act (the "Reform Act") ${ }^{1}$. This measure provided the Board with exclusive authority and discretion to manage and control the District of Columbia Police Officers and Fire Fighters' Retirement Fund, and the Teachers' Retirement Fund (collectively the "Funds"). The Reform Act also sets forth the Board's structure, specific authority and legal responsibilities. As explained in more detail below, the Board's former responsibility for managing the Judges' Retirement Fund has since been assumed by the Federal government pursuant to title XI of the Balanced Budget Act of 1997. ${ }^{2}$

To facilitate effective monitoring of the retirement system, the Reform Act and the Police Officers, Fire Fighters, and Teachers Retirement Benefit Replacement Plan Act of 1998 ("Replacement Plan Act") ${ }^{3}$ require the Board to publish an annual report for each fiscal year. ${ }^{4}$ This report provides detailed disclosure of the financial and actuarial status of the retirement Funds. The report is transmitted to the Congress, the Mayor, and the Council of the District of Columbia by April 28 of each year. The report is also made available for examination by participants and beneficiaries of the Funds at the principal office of the Board located at 1400 L Street, NW, Suite 300, Washington, D.C. 20005.

## Legislative History

Prior to enactment of the Reform Act in 1979, eligibility and benefit rules, and financing arrangements for the pension plans for the District's Police Officers, Fire Fighters, Teachers and Judges were authorized by various acts of Congress and administered by the Federal government. Financing was "pay-as-you-go", meaning benefits were paid from general revenues when workers retired instead of being pre-funded throughout the careers of participating workers. This pay-as-you-go method of financing is actuarially unsound, and results in what is called an "unfunded actuarial accrued liability" ("unfunded liability").

[^0]
## Board Structure

The Board is currently comprised of twelve trustees. ${ }^{5}$ The composition of the Board is an expression of Congressional intent to balance the various interests represented by the District's Executive and Legislative branches as well as the Funds' participant groups. Accordingly, three trustees are appointed by the Mayor, three are appointed by the Council of the District of Columbia, and the remaining six are elected by the participant groups (one each from the active and retired Police Officers, Fire Fighters, and Teachers). Two trustees appointed by the Mayor and one of the Council appointees are further required by the Reform Act to possess professional work experience in the banking, insurance, or investment industry.

In addition to the statutory framework provided by the Reform Act for the Board's fiscal and operational responsibilities, the District of Columbia Municipal Regulations ("DCMR") contain an extensive set of rules and regulations promulgated by the Board (Title 7, Chapter 15) that address various structural and operating characteristics of the Board ("Board Rules"). For example, the Board Rules describe the various executive officers of the Board and their responsibilities, staff positions and functions, standing committees and their respective jurisdiction, and rules for the Board's open meetings.

The Board's operating budget is appropriated out of the investment earnings of the retirement Funds managed by the Board.

## Operations of the Board and Staff

By adhering to its asset allocation plan; periodically rebalancing portfolios when necessary; controlling transaction costs; selecting investment managers with an audited long-term track record and a disciplined investment process; and aggressively negotiating and renegotiating investment management fees, the Board has long managed the Funds in a sound, prudent and well-documented manner.

Since inception, the Board has operated pursuant to a committee system. This structure provides a two-tiered process for fiduciary review and analysis. The Board currently has six standing committees: (1) Benefits; (2) Fiduciary; (3) Investment; (4) Legislative; (5) Operations; and (6) Minority Participation.

Board policies and directives are implemented by an in-house staff of thirteen (13) authorized staff positions. The Board's staff currently maintains responsibility for in-house accounting, procurement, human resources, budgeting, information technology, investment program development and oversight, and legal review and counsel. These capabilities are further enhanced by the retention of outside consultants all of whom are directed by, and work closely with, senior staff.

[^1]- Began work with the U.S. Department of the Treasury to revise retirement plan description summaries of the retirement programs for District police officers, fire fighters and teachers.
- Participated in the U.S. Treasury Benefits Administration Workgroup meetings to develop better coordination of information among the agencies responsible for benefits administration and investments for the District's retirement plans for police officers, fire fighters and teachers.
- Appeared before the Council of the District of Columbia, Committee on Government Operations to testify on the Board's FY 2002 budget request and to discuss the Board's administrative operations, investment program and investment performance.
- Revised investment guidelines to relax the lower limits on minimum capital commitments to private equity partnerships.
- Conducted an election for a retired teacher in the District's public school system to serve a four-year term on the Board.
- Conducted Trustee educational training sessions designed to: (1) facilitate Trustee compliance with fiduciary responsibilities; and (2) develop Trustee understanding of modern investment practices.
- Conducted monthly Board and Investment Committee meetings.


## Administrative Operations

With respect to internal operations, the Board conducted regularly scheduled, well attended meetings of the Board and its various committees and encouraged all trustees to participate in investment management workshops and educational training programs designed to facilitate compliance with the high standard of care associated with their fiduciary responsibilities.

## III. LONG TERM INVESTMENT PROGRAM

## Capital Market Overview

In the wake of the catastrophic events on September 11, 2001, no shortage of ink has been devoted to the story of the stock market woes. Many a pundit has been quick to point out the short-term losses following past national crises like President Kennedy's assassination and the Gulf War, and even quicker to reaffirm the market's resilience over the long-term.

## Investment Performance

The investment program (or Total Fund) achieved a total return for the fiscal year ended September 30, 2001 of $-11.7 \%$. This return far exceeded the Total Fund Benchmark return of $-15.8 \%$ by 410 basis points. The Total Fund Benchmark is a portfolio comprised of the asset classes which make up the strategic asset allocation adopted by the Retirement Board in December 1998 and set forth in the table below.

Strategic Asset Allocation

| Asset Class | Target Allocation |
| :---: | :---: |
| Domestic Equities | $43.7 \%$ |
| International Equities | $20.0 \%$ |
| Fixed Income | $30.3 \%$ |
| Private Equity | $5.0 \%$ |
| Short-Term | $1.0 \%$ |

The return of the Total Fund Benchmark is a weighted average of the passive benchmark returns of each of the asset classes. The assumption is that this return will exceed the actuarial investment rate of return over the long term; thus assuring achievement of the Retirement Board's investment objective. Performance is calculated using the time-weighted rates of return in compliance with AIMR (Association for Investment Management and Research) standards. Total return includes interest and dividends as well as capital appreciation.

The Total Fund consistently ranks above the 50th percentile with below median risk in the Retirement Board's independent investment consultant universe of clients. Over the three years ended September 30, 2001, the Total Fund has added value over the Total Fund Benchmark, returning 6.1\% versus $4.7 \%$, respectively.

The primary driver of Total Fund outperformance for the fiscal year was asset allocation. An overweight to U.S. fixed income helped the portfolio withstand some of the turmoil in the equity markets. Additionally, active management was beneficial because both domestic equity and fixed income managers added significant value.

The Retirement Board's investment performance exceeded that of its benchmarks for all asset classes except real estate and private equity. Real estate and private equity returns are reported with a one-quarter lag to the rest of the investment portfolio. Total return for the real estate composite is unrepresentative of the performance of the asset class because it does not reflect a diversified core real estate composite, but instead the performance of a single real estate asset that was subsequently sold in October 2001.

## Investment Activity

Fiscal year 2001 was a busy year at the Retirement Board. In addition to routinely reviewing the investment performance of the Total Fund, the various composites, each investment manager and the asset allocation policy, the Retirement Board addressed asset misallocations by rebalancing on a quarterly basis whenever the portfolio drifted outside the policy benchmark target ranges.

Additional initiatives undertaken by the Retirement Board included: adoption of a strategic investment plan to pursue investment opportunities under a reactivated private equity program by targeting an annual commitment amount; amendment of investment policy guidelines to permit investments in public real estate investment trust (REITs) or other similar equity pooled investments without regard to specific jurisdictional limitations provided such investments do not constitute plan assets; and started a small/mid cap growth equity manager search and completed a search for a Master Custodian.

As of September 30, 2001, the fair value of the Retirement Board's assets was $\$ 1.879$ billion, a decline of close to $9 \%$ from fiscal year 2000 close of $\$ 2.045$ billion. While the unrealized depreciation in asset valuation was significant, in comparison to other public pension funds the Retirement Board fared much better. From a survey conducted by an independent service organization, it was reported that assets of the largest 200 pension funds located in the U.S. plummeted $14 \%$ for the one year period ended September 30, 2001. Additionally, assets of the largest domestic 1,000 pension plans slid by more than 12\%.

The most important decision the Retirement Board is faced with is its strategic asset allocation, that is, which asset classes to invest in and how much to invest in each asset class. During fiscal year 2002, the Retirement Board will embark upon a new asset liability study to determine the most appropriate asset mix. The Retirement Board will carefully evaluate the risk/reward tradeoff of various asset mixes, the ability of the Retirement Board to meet long term pension obligations and the impact of different economic conditions on both assets and liabilities.

## Performance Growth and Asset Balances

In Exhibit A, fiscal year 2001 performance of the Retirement Board's equity, fixed income managers and real estate and private equity composite returns are presented by the Retirement Board's independent investment consultant, BARRA RogersCasey. Total asset balances for the two Retirement Funds as of the end of the fiscal year 2001 are included in Exhibit B. Exhibit C depicts the dollar growth of the Total Fund relative to the actuarial investment assumption rate of $7.00 \%$ through September 1997 and $7.25 \%$ thereafter.

## V. ACTUARIAL VALUATIONS

The Replacement Plan Act requires the Board's actuary to undertake a full actuarial valuation of the retirement Funds every two years unless the actuary "determines that a more frequent valuation is necessary to support the actuary's opinion" (D.C. Code Section 1-907.03(a)(2)). The Board's actuary, Milliman USA (formerly Milliman and Robertson, Inc.), decided to conduct a full valuation as of October 1, 1999 for fiscal year 2001. The results of the actuarial valuation are presented in the Report of the Enrolled Actuary together with the actuarial certification of the District contribution dated December 20, 1999 (Exhibit H). The actuarially certified amounts determined as described in Section IV above for fiscal year 2001 consists of $\$ 0.2$ million to the Teachers' Retirement Fund and $\$ 47.4$ million to the Police Officers and Fire Fighters' Retirement Fund. These amounts were certified by the Board to the Mayor on December 29, 1999 (Exhibit I).

## VI. FISCAL YEAR 2001 DISTRICT PAYMENTS

Section 132 of the Police Officers, Fire Fighters and Teachers Retirement Benefit Replacement Act of 1998 (D.C. Law 12-152) stipulates:
"(a) Each fiscal year, the District shall ensure that a sufficient amount is appropriated for each separate fund comprising the Funds, as the District of Columbia payment to the Appropriate separate fund comprising the Funds, which shall be equal to, or greater than, the amount calculated as provided for in section 133, as determined by the enrolled actuary..."

The District of Columbia Retirement Reform Act at Section 142(c)(1)(B) (D.C. Code Section 1-722(c)(1)(B)) and D.C. Act 12-155 at Section 123(b) requires the D.C. Retirement Board to certify to the Mayor and the Council, not less than thirty days before the Mayor submits the budget for the District of Columbia government to the D.C. Council, the amount of the District's payment to the D.C. Teachers' Retirement Fund and the D.C. Police Officers and Fire Fighters' Retirement Fund. The Board approved the enrolled actuary's certification on December 16, 1999.

The following were the amounts certified by the Board as the District's fiscal year 2001 payments to each of the Funds, in millions.

| Retirement <br> Fund | Normal <br> Contribution | Shortfal <br> (Overpoyment) | T otd |  |
| :--- | :--- | ---: | ---: | ---: |
| T eachers | $\$$ | 6.6 | $(6.4)$ | 0.2 |
| Police \& Fire | $\$$ | 47.0 | 0.4 | 47.4 |
| T otd Contribution |  | $\$ 47.6$ |  |  |

Monthly, the Deputy Chief Financial Officer for Financial Operations and Systems certifies the amount necessary to meet the retirement annuity payroll for the month. The Office of Finance and Treasury of the Office of the Chief Financial Officer of the District draws and mails the retirement benefit checks.

All pension and survivor benefits that are the responsibility solely of the Federal government are reimbursed by the Federal government on a monthly basis.

All pension and survivor benefits that are a split responsibility of the Federal and District govemments are being reimbursed by the Federal government on a monthly basis. A Memorandum of Understanding between the Federal and District govemments provides that the Board reimburses the District Benefit Payment portion on an annual basis. After the Federal government issues final rules to calculate the Federal Benefit Payment amount, the Board will reimburse on a monthly basis the District Benefit Payment share of those benefit payments.

The District govemment is responsible for the total cost of benefit increases enacted after June 30, 1997. All such pension and survivor benefits are reimbursed by the Board on a monthly basis.

Periodically, the Board reimburses or is reimbursed by the Office of the Chief Financial Officer for the amount of refunds of contributions, purchase of prior service credit, and other cash transactions. The Board has recorded an estimated amount of that reimbursement, which amount is included in the audited financial statements presented in Exhibit G.

## IX. ADDITIONAL INFORMATION REQUIREMENTS

## Changes in Investment Mangers

The Board did not change investment managers during fiscal year 2001.

## Current Lease For Office Space

- Location of Leased Premises:

1400 L Street, NW, Suite 300
Washington, D.C. 20005

- Description of Leased Premises:

Office space consists of 6,374 square feet

- Name of Lessor:

M-C Capitol Associates L.L.C.

## Exhibit A

## Investment Managers Performance

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 ลิธ




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The District of Columbia Retirement Board



Exhibit B
Funds Assets as of September 30, 2001
D.C. RETIRTENT BOARD
NET ASSET VALUATION
FOR THE MONTH ENDING SEPTEMBER

| PLAN NAME | PERMANENT PLAN | TEMPORARY PLAN | TOTAL PLANS |
| :---: | :---: | :---: | :---: |
| TEACHERS | \$756,453,743,11 | \$25,039,868.30 | \$781,493,611.41 |
| POLICE \& FIREFIGHTERS | \$1,067,312,650.98 | \$29,752,510,33 | \$1,097,065,161.31 |
| JUDGES | \$0.00 | \$0.00 | \$0,00 |
| NEW TEACHERS | \$0.00 | \$0.00 | \$0.00 |
| NEW POLICE \& FIREFIGHTEF | \$0.00 | \$0.00 | \$0.00 |
|  | \$1,823,766,394.09 | \$54,792,378.63 | \$1,878,558,772.72 |
|  | $10 / 11 / 01$ |  |  |

## Exhibit C

Fund Objective Chart
FUND OBJECTIVE
Total Fund Performance Vs. Actuarial Return
(Growth of $\$ 100.00$ invested from March 1, 1983 to September 30, 2001)

The time weighted return for the Total Fund for the period $3 / 83$ to $12 / 01$ was $10.88 \%$ versus an Actuarial Assumption rate of $7 \%$ through the end of $9 / 97$ and $7.25 \%$ thereafter.

## Exhibit D

## Risk/Reward Strucłure For Five Year Period Ending September 30, 2001



## Exhibit E

## Schedule of Assets Held by the Funds

GTIC
USD
BASIS: A

DC RETIREMENT BOARD -COMPOSITE PRIOR MONTH COMPUTATIOH OF WET ASSET VALUE




STATE STREET





State Street:



| 6T1C |  | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL | AS-OF DATE: 30 SAGEPO1 ${ }^{1}$ |
| :---: | :---: | :---: | :---: |
|  |  | THIS IS A COMPOSITE REPORT FOR: |  |
|  | GTOI | D.C. RETIREMEKT BOARD |  |
| , | GT10 | D.C. RETIREMENT BOARD |  |
|  | GT24 | D.C. RETIREMENT BOARD |  |
|  | 6T30 | D.C. RETIREMEMT BOARD |  |
|  | GT44 | DC RETIREMENT BOARD |  |
|  | GT49 | DC RETIREMENT BOARD |  |
|  | $6 T 54$ | D. C. RETIREMENT BOARD |  |
|  | GT69 | THE DISTRICT RETIREMENT SYS |  |
|  | 6770 | D.C. RETIREMENT BOARD |  |
|  | 6 T 71 | D.C. RETIREMENT BOARD |  |
|  | GT72 | DC RETIREMENT BOARD |  |
|  | $6 T 73$ | DC RETIREMENT BOARD |  |
|  | $6 T 74$ | D.C. RETIREMENT BOARD |  |



STATE STREET


































|  |  | DC RETIREMEMT ROARD - COMPOSITE Account position Appraisal |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | RATE MATURITY DATE-- MKT PRİ- |  | MAREETMAL |  | URREAL <br> URREAL <br> GNILS |
|  |  | Toial cosit | WWIT Price |  |  |  |
| HEALTH CARE PHARMACEUTTCAL |  |  | 1.853.00000 15.55433 | 46. 325.000 .00 | 0.82 | ${ }^{-942} 57.0922 .00$ |
| $6{ }^{6} 74$ |  |  |  |  |  |  |
| 674 |  |  | 2.105.000000 |  | - $\begin{array}{r}0.52 \\ 0.01\end{array}$ | -4.802 -76.946.40 |
| 6774 |  |  | 2.240.00000 18.802984 | 87. 3 7300.000:00 | - $\quad 1.54$ | 13.768.482.09 |
| 6 6T4 |  |  | 5. 5000.000000 | 374.000.000.00 | - $\begin{aligned} & 6.60 \\ & 0.15\end{aligned}$ | ${ }^{127} 1.5653 .306 .00$ |
|  |  | $\begin{aligned} & 31.3550,429.00 \\ & \text { 31. } 2965.529: 70 \\ & \hline \end{aligned}$ | 3.200.000000 26.861406 | 19.200.000:00 | -0.34 <br> 0 <br> 0.01 | -12:165.429 : 00 |
|  | 152.000 .000 | 432.931.649:00 |  | 556.35.0.00.00 | -a, 22 <br> 0.23 <br> 0.23 | 123.423.351.00 |
|  | $\overline{152.000 .000}$ | 432.931.6499:00 |  | 556.355.000.00 | $\frac{9.823}{0.23}$ | $\overline{123.423,35121: 00}$ |
| Imdustrials AIRLINE |  |  | 280.0000002.350373 | 24. 640.0000 .00 <br> 24.640 .0000 <br> $206: 832: 82$ | STATE STREET <br>  |  |
| ${ }_{6 T 74}$ | 647187004 <br> 004,000 JAPAN AIR LI WES CO <br>  88.000 .000 |  |  |  |  |  |  |
|  |  | 36.984.483.00 ${ }_{3}$ |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| $\overline{\substack{\text { GTIC } \\ U S D}}$ |  | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  |  |  |  |  |  |
|  |  | bate maturity date mit price |  |  |  |  |
|  |  | Toial cosi | Muil prace | MARETMAL |  | UWEAL |
|  |  |  |  |  |  |  |
| 6774 | 619586001 CHUDENKO CORP <br> 25.000.000 1.297.053320 |  | 1.845.000000 15.887279 | 46. 125.000 .00 <br> 46.125 .000000 | $\begin{array}{ll} 0 & 0.81 \\ 8 & 0.81 \\ 0 & 0.82 \\ 8 & 0.81 \\ 8 & 0.02 \end{array}$ |  <br>  |
|  | 25,000.000 | 32.426.333.00 |  |  |  |  |
| Indostrials ELECTRICAL |  |  | ${ }^{548} \mathbf{5} .4000000$ | 10.368.000.00 | 0:18 |  |
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|  | 32.500 .000 | 1-20 |  | 56.149.000.00 | (1) | -54:144.374.00 |
| Industrials machine |  |  | 413.00000 3.466800 <br> 9. 378.820 .000000 |  |  |  |
| 6774$6 T 44$ |  <br> ${ }^{676396005} 14.000 .0{ }^{\text {SMC }}$ CORP $\quad 17.292 .579000$ |  |  | 30.149.000.00 | $1 \begin{array}{ll}0.53 \\ 0.01\end{array}$ | 2.024:800 ${ }^{-1200}$ |
|  |  |  |  | ${ }^{131} 1.460 \cdot 000 \cdot 00$ | $\begin{array}{ll} \\ 3 & 2.32 \\ 0.05\end{array}$ | ${ }_{-110.636 .106 .00}^{-1.141 .903 .13}$ |
|  |  |  |  |  | STATESTREET <br>  |  |


| ${ }_{\text {UTS }}^{\text {6T1C }}$ |  |  | DC RETTREME ETODRARD - COMPOSITE Account ${ }^{-1}$ Posititor |  | AS-OF DATE: ${ }^{\text {PAEE }} \mathbf{3 0 S E P 5 0 1}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
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|  | 95.000 .000 |  | 309:1675:684:00 |  |  | 3:02 0.07 |  |
| industrials |  | ROAD d d Rail |  | ${ }^{542} 4.0000000$ | 37. 9400.000 .00 <br> 37. 9400.000 .00 | 0.67 | -39.559.009 |
| 6774 | ${ }^{689654002} 70.000 .000{ }^{\text {TorY CORP }}$ | ${ }_{541.934871}^{5.116133}$ |  |  |  |  |  |
|  | 70.000.000 |  |  |  |  | -0:67 | -39.659.00 |
|  | $3{ }^{310.500 .000}$ |  |  |  |  | ${ }_{\text {c }}^{5.14}$ | --190: -2.882 .5375 |
| information technology |  | COMPUTERS - PERIPHERALS |  |  | 209.195:000.00 <br> 76:845: 82006 <br>  <br> 286.062. 20000000 |  |  |
| 6T446T74 | $\begin{aligned} & \text { 664040003. } 215.000 \text {.000 CORP } \\ & 79.000 .000 \end{aligned}$ | 2.437 .854428 <br> 2. 2. 92.21293356 28.066941 |  <br>  |  |  |  | -314.943.702.00 <br> -159:590; $1.54,000$ <br> $\therefore 4$ <br> $-474.453 .656 .000$ |
|  |  |  |  |  |  |  |  |
|  | 294.000.000 |  |  |  |  |  |  |
|  | ation technology |  |  | 7.500.00000 |  | $0: 69 \quad-40: 0771.977 .008$ <br> STATE STREET: <br> Serito Irat: |  |
| $6 \mathrm{6T4}$ | 642872006 HIROSE ELECTRIC 142.395738 |  | 79.07Y50.917.00 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ${ }_{\text {UTD }}^{\text {¢T1 }}$ |  | DC RETTREMENT BOARD COMPOSTE COMPOSTTE accourit position ap pais il |  |  |  | AS-OF DATE: ${ }^{\text {PAEEE }}$ 30SEPO0 ${ }^{\text {6 }}$ |  |
|  |  |  |  |  |  |  |  |
|  |  | U UnIT coss | Total cost | UwiT Price | MARET MAAL | (ex | UNEAL |
|  | $\begin{gathered} \text { 642910004. } 445.000 .0000 \text { HITACHI } \\ 43.000 .000 \end{gathered}$ |  | ${ }_{64}$ JpY50. 5 564.00 <br>  |  | 352.885 .000 .00 <br>  <br> 34. 266 :233:46 <br>  |  | -293.680 .264 .00 -3.084 .036 .80 <br>  <br>  |
|  |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { 6T44 } \\ & 6 T 74 \end{aligned}$ | $\begin{aligned} & 644150005 \\ & 28.9000 .000 \end{aligned} \text { Hora corp }$ $3.400 .000$ |  |  <br> 27:635.273: 278 | 6. 200.000000 <br> 6. 2000.000000 |  <br> 21. 17860.9040 : 51 <br>  |  | -18.220 .699 .00 -357.981 .89 <br> -6.593 .223 .00 -58.224 .37 <br>  |
|  |  |  |  |  |  |  |  |
| 6774 |  |  |  | 16. 1000.000000 |  | - 0.28 | -19: 60498.7270 .61 |
| $\begin{aligned} & \text { 6T44 } \\ & 6 T 74 \end{aligned}$ |  |  | 172.95Y0.0999.00 | 6. 830.000000 <br>  | 150. 260.000 .00 <br> 51: 2215 : $3100: 80$ <br>  <br> 1.691.303.24 |  | -21.845 .099 .00 -242.290 .99 <br> -242.290 .99 -54.525 .000 .00 $-558,866.97$ <br>  |
|  |  |  | 105.7988: 80.650 : 32 |  |  |  |  |
|  |  |  | 277:855 2.4961 .20 |  |  |  |  |
| 6774$6 T 74$ |  | $\begin{gathered} \text { corp } \\ \begin{array}{c} \text { 2.777.713187 } \\ 26.045132 \end{array} \\ 8.045 .709667 \\ 64.694997 \end{gathered}$ |  | 1.364.000000 <br> 5.0000.000000 | 21. 824.:000.00 <br> ${ }^{15}$. 000 . 00000000 | 90 $\begin{aligned} & 0.39 \\ & 0.01\end{aligned}$ | $-22.6193 .5111: 32$ |
|  |  |  |  |  |  | [0.26 <br> 0.01 |  |
|  |  |  |  |  |  | STAR | ESTREE |


















| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITIOH APPRAISAL |  |  |  | AS-OF DATE: ${ }^{\text {PAGE }}$ 30SEP01 ${ }^{91}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATU | TE MKT PRI |  |  |  |
|  | ORIGINAL FACE BASE URE UNIT COST | TOTALCost <br> TOTAL | WNIT PRICE | MARKET VALUE | CURR | URREAL GNREAL $^{\text {UNREAL }}$ |
| 6T10 | $032511107{ }_{11,160.000}{ }^{\text {ANADARKO PETE CORP }} \mathbf{4 6 . 3 1 9 7 1 8}$ | ${ }_{516.928 .05}$ | 48.080000 | 536.572.80 | 0.03 0.03 | 19.644 .75 |
| 6 T 10 | 037411105 5,590.000 ${ }^{\text {APACHE CORP }} 37.519404$ | ${ }_{209.733 .47}$ | 43.000000 | 240,370.00 | 0.01 | 30.636 .53 |
| GT10 | $0_{34204105}^{3.100 .000}$ ASHLAND INC 42.410000 | ${ }_{\text {COM }}^{131.471 .00}$ | 38.550000 | 119.505 .00 | 0.01 | -11.966.00 |
| GT10 | $\begin{array}{r} 122014103 \\ 9.381 .000 \end{array}{ }_{40}^{\text {BURLINGTON RES }}{ }_{40.442403}^{\text {INC }}$ | $\mathrm{COM}_{379.390 .18}$ | 34.210000 | 320,924.01 | 0.02 0.02 | -58.466.17 |
| $6 T 10$ | 25179M103 5.800 .000 DEVON ENERGY CORPORATION WEH | ${ }_{352.770 .50}$ | 34.400000 | 199,520.00 | 0.01 | -153.250.50 |
| $6 T 10$ | 26875P101 ${ }_{5.100 .000}^{\text {EOG RESOURCES }}$ INC ${ }_{42.135000}$ | $\mathrm{COM}_{214.888 .50}$ | 28.930000 | 147.543 .00 | 0.01 0.01 | -67.345.50 |
| GT10 |  | 7.307 .379 .05 | 39.400000 | 12.087.289.60 | 0.68 0.58 | 4.779.910.55 |
| GT49 | 65.000 .00031 .143085 | 2.024.300.53 | 39.400000 | 2.561.000.00 | 0.14 0.12 | 536.699 .47 |
|  |  |  |  |  | 0': | 5. |
| GT10 |  | ${ }_{229.175 .95}$ | 51.910000 | 229.442.20 | 0.01 | 266.25 |
|  | 674599105 ${ }_{16.463 .000}^{\text {OCCIDENTAL PETE }}$ CORP ${ }_{20.038680}$ | $\mathrm{COM}_{329.896 .79}$ | 24.340000 | 400.709.42 | 0.02 | 70.812 .63 |
|  |  |  |  |  | $\Leftrightarrow$ <br>  | YERT <br>  |


| ${ }_{\text {UT1 }}^{\text {GT }}$ |  | DC RETIREMENT BOARD - COMPOSITE ACCOUNT POSITION APPRAISAL |  | AS-OF DATE: ${ }^{\text {PAGE }}$ ( 30 SEPP01 |
| :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATURITY dATE MKT PRICE |  |  |
|  | ORIGIMAL UNITS LOCAL UNIT COST | TOTAL COST UNIT PRICE | MARKET VALUE | \% CURR |
| 6770 | 67481E106 ${ }_{40.000 .000}^{\text {OCEAN ERERGY IRC TEX }} 16.652000$ | $\operatorname{com}_{666.080 .00} 16.300000$ | 652,000.00 | $\begin{array}{ll}0.04 & -14.080 .00\end{array}$ |
| $6 T 74$ | 677862104 5,500.000 $_{\text {OIL CO LUKOIL }}^{64.625000}$ |  | 210.375.00 | 0.01 0.01 |
| 6T10 |  | $\mathrm{COM}_{698.581 .30} 53.940000$ | 913.258.14 | $\begin{array}{ll}0.05 & 214.676 .84\end{array}$ |
| 6770 | $730448107 \underset{55.500 .000}{\text { POGO PRODUCING }} \underset{22.525077}{\text { CO }}$ | $\begin{array}{ll} \text { COM } \\ 1.250 .141 .77 & 23.500000 \end{array}$ | 1,304.250.00 | 0.07 0.06 |
| $6 T 10$ | 780257804 95.381 .000 $\underset{\text { ROYAL }}{ }$ DUTCH PETE CO 39.631953 |  | 4.792.895.25 | $\begin{array}{ll}0.27 & 1.012 .759 .92\end{array}$ |
| 6770 | $\begin{aligned} & 84855 N 109 \\ & 17.300 .000 \end{aligned}$ | $\begin{array}{ll} \mathrm{COM}_{692.769 .85} & 35.380000 \end{array}$ | 612,074.00 | $\begin{array}{ll}0.03 & -80.695 .85 \\ 0.03\end{array}$ |
| 6T10 | $\underset{3.700 .000}{\text { SUNOCO INC } 37.840000}$ | $\begin{array}{lll}\mathrm{COM}_{140.008 .00} & 35.600000\end{array}$ | 131.720.00 | $\begin{array}{ll}0.01 & -8.288 .00\end{array}$ |
| 6 T 10 | 881694103 24.491.000 ${ }^{\text {TEXACO INC }} 47.252414$ | ${ }_{1.157 .258 .88}{ }^{\text {COM }}$ ( 65.000000 | 1.591 .915 .00 | 0.09 0.08 |
| 6710 | $\begin{gathered} 902905827 \\ 13.678 .000 \end{gathered}$ | COM 359.548 .43 | 365.886.50 | $\begin{array}{ll}0.02 & 6.338 .07 \\ 0.02\end{array}$ |
| $6 T 10$ | $915289102 \underset{10.845 .000}{\text { UNOCAL CORP }} 29.747300$ | $\mathrm{COM}_{322.609 .47} \quad 32.500000$ | 352,462.50 | 0.02 0.02 |
|  |  |  |  |  |




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


| , | ORIGINAL UNITS LOCAL UNIT COST | TOTAL COST | UMIT PRICE | MARKET VALUE MARRET VALUE | CURR | UNREAL GN/LS UNREAL GA/LS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| GT10 | 313400301 30.860 .000 $\underset{29.961049}{\text { FEDERAL HOME LN MTG }}$ | COM FORMERLY $924.597 .97$ | $\begin{array}{r} \text { SR PART PFD } \\ 65.000000 \end{array}$ | 2.005,900.00 | 0.11 0.10 | 1.081.302.03 |
| $6 T 10$ | 313586109 44.522 .000 FEDERAL NATL MTG ASSN | $\begin{aligned} & \mathrm{COM} \\ & 1.600 .418 .84 \end{aligned}$ | 80.060000 | 3,564,431.32 | 0.20 0.17 | 1.964.012.48 |
| 6770 | 314211103 FEDERATED INVS INC PA <br> 48.000.000 24.341310 | $\stackrel{C L}{\mathrm{CL}}{ }_{1.168,382.88}$ | 29.600000 | 1.420,800.00 | 0.08 | 252.417.12 |
| GT10 | $\begin{aligned} & 354613101 \quad \begin{array}{c} \text { FRANKLIN RES INC } \\ 11.776 .000 \end{array}{ }_{50} .143952 \end{aligned}$ | ${ }_{590.495 .18}^{\text {COM }}$ | 34.670000 | 408.273.92 | 0.02 | -182.221.26 |
| 6771 | $55.600 .000 \quad 28.528378$ | 1.586.177.82 | 34.670000 | 1.927.652.00 | 0.11 | 341.474 .18 |
|  |  |  |  |  | í: i ${ }^{\text {\% }}$ |  |
| GT10 |  | ${ }_{\text {COM }}^{486.190 .61}$ | 56.380000 | 1.164.867.18 | 0.07 0.06 | 678.676 .57 |
| 6770 | 456607100 INDYMAC BANCORP INC 13.175144 | ${ }_{1.246 .368 .66}^{\text {COM }}$ | 27.110000 | 2.564.606.00 | 0.14 | 1.318.237.34 |
| $6 T 10$ |  | ${ }_{2.516 .423 .43}^{\text {COM }}$ | 34.150000 | 3.013.822.87 | 0.17 0.15 | 497.399 .44 |
| $6 T 49$ | 37.670.000 24.829799 | 935.338.51 | 34.150000 | 1.286,430.50 | 0.07 0.06 | 351.091.99 |
|  |  |  |  |  | \%: 0 |  |
| $6 T 10$ | 524908100.998 .000 10.998 LEHAN BROTHERS HLDGS INC 22.225365 | $\mathrm{COM}_{244.434 .56}$ | 56.850000 |  | $\begin{aligned} & 0.03 \\ & 0: 03 \\ & 0: 02 \\ & 0: 02 \\ & 0: 0 \\ & 0 .: 06 \end{aligned}$ | 380.801 .74 |
| GT49 | $6.800 .000 \quad 67.389371$ | 458.247.72 | 56.850000 |  |  | -71.667.72 |
|  |  |  |  |  |  |  |




| ASSET DESCRIPTION |  | ATE MATURITY DATE MKT PRICE |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ORIGINAL UNITS LOCAL UNIT COST | TOTAL COST | UNIT PRICE | MARKET VALUE | CUUR | UHREAL GM/LS UNREAL GN/LS |
| 6T10 | $001055102 \underset{23.400 .000}{\text { AFLAC INC }} 24.913406$ | ${ }_{582.973 .69}$ | 27.000000 | 631.800 .00 | 0.04 0.03 | 48,826.31 |
| GT10 | 020002101 32.167.000 ${ }^{\text {ALLSTATE CORP }} 26.824648$ | $\operatorname{com}_{862.868 .46}$ | 37.350000 | 1,201.437.45 | 0.07 0.06 | 338.568.99 |
| 6 T 10 | $\underset{4.700 .000}{023139108}{ }_{59}^{\text {AMBAC FINL GROUP INC }} 5$ | $\mathrm{COM}_{278.616 .00}$ | $\begin{aligned} & 54.710000 \\ & 54.710000 \end{aligned}$ | 257.137 .00 1.066 .845 .00 | $\begin{aligned} & 0.01 \\ & 0.01 \\ & 0.06 \\ & 0.05 \\ & 0: 0 . \\ & 0.07 \end{aligned}$ | $\begin{aligned} & -21.479 .00 \\ & -88.395 .45 \end{aligned}$ |
| 6 T 70 | 19.500.000 59.243100 | 1.155.240.45 |  | 1.066.845.00 |  |  |
|  |  | i. |  | i: |  |  |
| $6 T 10$ | 026874107 116.522 .000 AMERICAN INTL GROUP INC | ${ }_{3.726 .505 .71}^{\text {COM }}$ | 78.00000078.000000 | $\begin{array}{r} 9.088 .716 .00 \\ 532.896 .00 \end{array}$ | $\begin{aligned} & 0.51 \\ & 0.44 \\ & 0.03 \\ & 0.03 \end{aligned}$ | $\begin{array}{r} 5.362,210.29 \\ 122.571 .12 \end{array}$ |
| GT49 | 6.832 .00060 .059262 | 410.324.88 |  |  |  |  |
|  |  |  |  |  |  |  |
| 6T10 | 037389103.688 .000 11.680 | $\mathrm{COM}_{323.079 .78}$ | 42.000000 | 490,896.00 | $\begin{aligned} & 0.03 \\ & 0.02 \end{aligned}$ | 167.816 .22 |
| GT10 |  | $\mathrm{COM}_{330.245 .48}$ | 71.410000 | 554.998 .52 | 0.03 0.03 | 224,753.04 |
| GT10 |  | $\operatorname{com}_{267.513 .75}$ | 41.620000 | 295.918.20 | $\begin{aligned} & 0.02 \\ & 0.01 \end{aligned}$ | 28.404.45 |
| $6 T 10$ | $208464 \frac{107}{15,000.000}$ CONSECO INC 9.190000 | $\operatorname{com}_{137.850 .00}$ | 7.260000 |  | $\begin{aligned} & 0.01 \\ & 0.01 \end{aligned}$ Y | $-28,9=$ |









| GT1C DC RETIREMENT COMPOSITE <br> USD  ACCOUNT POSITION APPRAISAL |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| T ID ASSET DESCRIPTION |  |  |  |  |  |  |
|  | ASSET ID | TOTAL - COST TOTAL COST | UNIT PRICE | MARKET VALUE | CURR | UNREAL GN/LS UNREAL GN/LS |
| 6710 |  | COM 743.390 .03 | 46.500000 | 976.500.00 | 0.05 0.05 | 233.109 .97 |
| 227.296.000 8.385.747.07 0.44 |  |  |  |  |  |  |
| INDUSTRIALS AIR FREIGHT \& COURIERS |  |  |  |  |  |  |
| $6 T 70$ | 302130109 ${ }_{15.500 .000}$ EXPEDITORES INTL WASH INC | $\mathrm{COM}_{770.058 .20}$ | 47.350000 | 733.925 .00 | 0.04 0.04 | -36.133.20 |
| 6 T 10 | $31428 \times 106{ }_{13,640.000}^{\text {FEDEX CORP }} 30.240227$ | $\mathrm{COM}_{412.476 .70}$ | 36.750000 | 501.270 .00 | 0.03 <br> 0.02 <br> .07 | 88.793 .30 |
|  | 29.140 .000 1.182.534.90 0.06 |  |  |  |  |  |
| INDUSTRIALS AIRLINES |  |  |  |  |  |  |
| GT10 | ${ }_{001765106}^{6.800 .000} \text { AMR CORP DEL } 35.450000$ | $\mathrm{COM}_{241.060 .00}$ | 19.140000 | 130.152 .00 | 0.01 0.01 | -110.908.00 |
| GT10 |  | ${ }_{\text {com }}^{\text {C38.599.09 }}$ | 26.350000 | 143.818 .30 616.590 .00 | 0.01 0.01 0.03 | -94.780 .79 -513.247 .34 |
| $6 T 49$ | 23.400.000 48.283647 |  |  | ¢ $¢$ |  |  |
|  | $844741108 \text { S3.799.000 }{ }^{\text {SOUTHWEST AIRLS }}{ }_{7.931126}$ | $\operatorname{com}_{268.064 .14}$ | 14.840000 | 501.577.16 | 0.03 0.02 | 233.5 |
|  |  |  |  |  |  |  |


ASSET ID ASSET DESCRIPTION

|  | ORIGINAL FACE BOCAL UNIT COST | TOTAL COST | UNIT PRICE | MARKET VALUE | $\begin{aligned} & \text { CURR } \\ & \text { RUND } \end{aligned}$ | UHREAL $F$ UNREAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $6 T 10$ |  | $\begin{aligned} & \text { COM } \\ & 155.116 .00 \end{aligned}$ | 27.050000 | 140,660.00 | 0.01 0.01 | -14.456.00 |
| GT7 I | $\begin{array}{r} 26483 E 100 \\ 92.850 .000 \end{array}$ | $\begin{gathered} \text { COM } \\ 1.748 .555 .82 \end{gathered}$ | 28.000000 | 2.599 .800 .00 | 0.15 0.13 | 851.244.18 |
| $6 T 10$ | $\begin{gathered} 278865100 \\ 5.634 .000 \end{gathered} \underset{ }{\text { ECOLAB INC }} 22.134008$ | $\operatorname{COM}_{124.703 .00}$ | 36.330000 | 204.683.22 | $\begin{aligned} & 0.01 \\ & 0.01 \end{aligned}$ | 79.980 .22 |
| GT10 | 294429105 <br> 6.300 .000 EQUIFAX INC 26.040000 | $\mathrm{COM}_{164,052.00}$ | 21.900000 21.900000 | 137.970 .00 2.487 .840 .00 | 0.01 0.01 0.14 0.12 | -26.082 .00 687.935 .50 |
| GT71 |  |  | 21.900000 | \%:625,8io.00 | 0.12 | 661.853.50 |
| 6T10 |  | $\mathrm{COM}_{649.761 .14}$ | 58.260000 | 1.016.520.48 | 0.06 0.05 | 366,759.34 |
| $6 T 10$ | $\begin{array}{\|c\|c\|} \hline 337738108 & \text { FISERV INC } 29.802933 \end{array}$ | 245,874.20 | 34.200000 | 282.150.00 | 0.02 0.01 | 36.275 .80 |
| $6 T 10$ | 449934108 I3.102.000 ${ }^{\text {IMS }}$ HEALTH INC ${ }_{15}$ | $\mathrm{COM}_{201.723 .42}$ | 25.050000 | 328.205.10 | 0.02 0.02 | 126.481.68 |
| 6T70 | $\begin{gathered} 45068 \mathrm{B109} \\ 35,300.000 \end{gathered} \mathrm{ITT}^{\text {IT }} \text { EDL SVCS INC } \begin{aligned} & 17.037731 \end{aligned}$ | $\mathrm{COM}_{601.431 .92}$ | 32.000000 | 1.129 .600 .00 | 0.06 0.05 | 528.168.08 |
| GT71 | $\begin{array}{ll} 600544100 & \text { MILLER HERMAN INC } \\ 128.700 .000 & 22.646870 \end{array}$ | $2.914 .652 .22$ | 19.470000 | $2.505,789.00$ | 0.14 | -408.863. 22 |

STATE STREET:






| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ |  | DC RETIREMEMT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  | $\text { AS-OF DATE: PAGE: } 30 \text { SEPOL }$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATURITY DATE MKT PRICE |  |  |  |  |
|  | UNITS LOCAL UNIT COST ORIGINAL FACE | TOTAL COST | UNIT PRICE | MARKET VALUE | CURR | UNREAL GN/LS UHREAL GN/LS |
| $6 T 10$ | 783549108 2.600 .000 RYDER SYS INC 23.694712 | $\mathrm{COM}_{61,606.25}$ | 19.990000 | 51.974 .00 | $\begin{aligned} & 0.00 \\ & 0.00 \end{aligned}$ | -9.632.25 |
| GT10 |  | $\mathrm{COM}_{453.390 .44}$ | 46.900000 | 516.509.70 | $\begin{aligned} & 0.03 \\ & 0.02 \end{aligned}$ | 63.119 .26 |
|  | 150,442.000 | 3.968 .512 .62 |  | 3.864 .795 .20 | $\begin{aligned} & 0.22 \\ & 0.19 \end{aligned}$ | -103.717.42 |
| INDUSTRIALS TRADING COMPANIES \& DISTRIBUTO |  |  |  |  |  |  |
| $6 T 10$ | 372460105 $7,623.000$ GENUINE PARTS CO ${ }_{26.870194}$ | $\operatorname{com}_{204.831 .49}$ | 31.860000 | 242.868.78 | $\begin{aligned} & 0.01 \\ & 0.01 \end{aligned}$ | 38.037 .29 |
| 6 T 10 | ${ }_{484802104}^{4.200 .000} \underset{42.320000}{\text { GRAINGER W INC }}$ | $\operatorname{com}_{177.744 .00}$ | 38.850000 | 163.170 .00 | $\begin{aligned} & 0.01 \\ & 0.01 \end{aligned}$ | -14.574.00 |
|  | 11.823 .000 | 382.575 .49 |  | 406.038 .78 | $\begin{aligned} & 0.02 \\ & 0: 02 \end{aligned}$ | 23.463.29 |
|  | 3.069.149.000 | $\overline{76,347.818 .76}$ |  | 92,084.078.65 | $\begin{aligned} & 5.15 \\ & 4.45 \end{aligned}$ | 15.736.259.89 |
| INFORMATION TECHNOLOGY COMHUNICATIONS EQUIPMENT |  |  |  |  |  |  |
| GT10 |  | ${ }^{\text {COM }} 570.647 .10$ | 3.490000 | 121.242 .60 | $\begin{aligned} & 0.01 \\ & 0.01 \end{aligned}$ | -449.404.50 |
| GT10 | $\begin{aligned} & 034425108 \\ & 3.600 .000 \end{aligned}{ }^{\text {ANDREW CORP }} 20.340000$ | $\mathrm{COM}_{73.224 .00}$ | 18.180000 | 65.448.00 | $\begin{aligned} & 0.00 \\ & 0.00 \end{aligned}$ | -7.776.00 |
|  |  |  |  |  |  | C |






| $\begin{aligned} & \text { GTIC } \\ & \text { USD } \end{aligned}$ | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  |  | AS-OF DATE: PAGE 30 SEP ${ }^{129}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATU | ATE MKT PRI |  |  |  |
|  | ORIGINAL UNITS LOCAL UNIT COST | TOTAL TOTAL CoST | UNIT PRICE | MARKET VALUE | \$ CURR | UHREAL GN/LS UNREAL GN/LS |
| IMFORMATION TECHNOLOGY OFFICE ELECTRONICS |  |  |  |  |  |  |
| $6 T 10$ | ${ }^{984121103}{ }_{30.800 .000}^{\text {XEROX CORP }} \quad 9.220000$ | $\mathrm{COM}_{283.976 .00}$ | 7.750000 | 238.700 .00 | 0.01 | -45,276.00 |
| 6T49 | $30.800 .000 \quad 5.090398$ | 156.784 .25 | 7.750000 | 238.700 .00 | 0.01 $0: 01$ 0.01 | 81.915 .75 |
|  |  |  |  |  | O: 0 |  |
|  | 61.600 .000 | 440.760 .25 |  | 477,400.00 | -.03 0.03 0.02 | 36.639 .75 |
| IMFORMATION TECHNOLOGY SEMICONDUCTOR EQUIPMENT PROD |  |  |  |  |  |  |
| $6 T 10$ | 007903107 15.260 .000 $\quad \begin{aligned} & \text { ADVANCED MICRO DEVICES } \\ & 14.815261\end{aligned}$ | $\mathrm{COM}_{226.080 .89}$ | 8.150000 | 124.369.00 | $\begin{aligned} & 0.01 \\ & 0.01 \end{aligned}$ | $-101.711 .89$ |
| 6 T 10 | $\begin{aligned} & 021441100 \\ & 17.220 .000 \end{aligned} \text { ALTERA CORP } 44.018283$ | 757.994.83 | 16.380000 | 282.063 .60 | 0.02 0.01 | $-475.931 .23$ |
| 6 T 10 | $032654105{ }_{16,000.000}$ ANALOG DEVICES ${ }_{2}$ INC | $\mathrm{COM}_{464.874 .50}$ | 32.700000 | 523.200 .00 | $\begin{aligned} & 0.03 \\ & 0.03 \end{aligned}$ | 58,325.50 |
| GT10 | 03822 ${ }_{10}^{13.300 .000}$ APPLIED MICRO $\underset{70.477185}{\text { CIRCUITS }}$ CORP | $\mathrm{CDT}_{937.346 .56}$ | 6.990000 | 92,967.00 | $\begin{aligned} & 0.01 \\ & 0.00 \end{aligned}$ | -844.379.56 |
| $6 T 10$ | 038222105 APPLIED MATERIALS INC 17.401448 | $\operatorname{COM}_{629.653 .99}$ | 28.440000 | 1.029.072.96 | $\begin{aligned} & 0.06 \\ & 0.05 \end{aligned}$ | 399.418 .97 |
| 6T10 | ${ }_{111320107}^{11.600 .000}{ }^{\text {BROADCOM CORP }}{ }_{193.989072}$ | 2.250.273.24 | 20.300000 |  |  | $-2.014 .793 .24$ <br> TMBET <br> $\therefore \mathrm{x} \mathrm{m}$ |


| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ |  | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  | $\text { AS-OF DATE: }=30 \mathrm{SAEP}=130$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATURITY DATE MKT PRICE |  |  |  |  |
|  | ORIGIMAL EAITS LOCAL UNIT COST | TOTAL Cost | UNIT PRICE | MARKET VALUE | CURR | UNREAL GN/LS UNREAL GN/LS |
| 6770 |  | ${ }_{586,459.22}^{\mathrm{COM}_{58}}$ | 26.590000 | 558.390.00 | $\begin{aligned} & 0.03 \\ & 0.03 \end{aligned}$ | -28.069.22 |
| 6T10 | $207142100{ }_{10.900 .000}^{\text {CONEXANT SYS INC }} 78.369406$ | $\mathrm{COM}_{854.226 .52}$ | 8.300000 | 90.470.00 | $\begin{aligned} & 0.01 \\ & 0.00 \end{aligned}$ | -763.756.52 |
| GT10 | 458140100 299.040 .000 INTEL CORP 14.191033 | ${ }_{4.243 .686 .65}$ | 20.440000 | 6.112 .377 .60 | $\begin{aligned} & 0.34 \\ & 0.30 \end{aligned}$ | 1.868.690.95 |
| 6T10 | $\begin{array}{\|c\|c\|c\|} \hline 8.274 .000 \\ \text { KLA TENCOR CORP } \\ 17.606640 \end{array}$ | $\operatorname{COM}_{145.677 .34}$ | 31.580000 | 261.292 .92 | $\begin{aligned} & 0.01 \\ & 0.01 \end{aligned}$ | 115.615 .58 |
| GT10 | ${ }^{502161102}{ }_{16.044 .000}^{\text {LSI LOGIC CORP }}{ }_{15.136099}$ | $\mathrm{COM}_{242.843 .58}$ | 11.750000 | 188.517.00 | $\begin{aligned} & 0.01 \\ & 0.01 \end{aligned}$ | -54.326.58 |
| 6770 | $512807108{ }_{43,000.000}^{\text {LAM RESH CORP }} 21.485694$ | $\operatorname{CoM}_{923.884 .84}$ | 16.950000 | 728.850.00 | $\begin{aligned} & 0.04 \\ & 0.04 \end{aligned}$ | -195.034.84 |
| $6 T 10$ | 535678106 $14,160.000$$\quad \begin{aligned} & \text { LINEAR TECHNOLOGY } \\ & 56.753880\end{aligned}$ | ${ }_{803.634 .94}^{\mathrm{COM}_{8}}$ | 32.800000 | 464.448.00 | $\begin{aligned} & 0.03 \\ & 0.02 \end{aligned}$ | -339.186.94 |
| $6 T 10$ | $57772 K 101$ 14.600 .000 $\quad \begin{aligned} & \text { MAXIM INTEGRATED } \\ & 60.703425\end{aligned}$ | $\operatorname{com}_{886.270 .00}$ | 34.940000 | 510.124 .00 | $\begin{aligned} & 0.03 \\ & 0.02 \end{aligned}$ | -376.146.00 |
| 6770 | 595017104 18.600 .000 | $\stackrel{\text { COM }}{579.947 .56}$ | 26.800000 | 498.480.00 | $\begin{aligned} & 0.03 \\ & 0.02 \end{aligned}$ | -81,467.56 |
| T10 | 59511210326.476 .000 MICRON TECHNOLOGY INC18.689231 | $\mathrm{COM}_{494.816 .09}$ | 18.830000 | 498.543 .08 | $\begin{aligned} & 0.03 \\ & 0.02 \end{aligned}$ | 3.726 .99 |
|  |  |  |  |  |  | KEE <br>  |


















| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ |  | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  | AS-OF DATE: ${ }^{\text {PAGE }} \mathbf{3 0} \mathbf{S}=157$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATURITY DATE MKT PRICE |  |  |  |
| . | ORIGIMAL FACE LOCAL UASE UAT COST | TOTAL COST TOTAL COST | MARKET VALUE | \% CURR | UHREAL GH/LS UAREAL GN/LS |
| AGENCY | AGENCY |  |  |  |  |
| $6 T 54$ | 3133MFVA3 270.000 .00 FEDERAL HOME LN BKS 99.917000 | ${ }_{269,775.90}^{28 J U N O 4}$ CONS 102.812000 | 277.592.40 | 0.02 0.01 | 7.816 .50 |
| 6772 | 3133M4ET6 $2.800,000.00$ FED HM LN BKS ${ }_{103.113700}$ | $\begin{aligned} & 2,{ }_{88}^{6} \cdot \frac{185}{7.183 .60} \text { 06MAY08 CONS BD } \\ & 107.031000 \end{aligned}$ | 2.996 .868 .00 | 0.17 | 109.684 .40 |
| 6772 |  |  | 727.783.00 | 0.04 0.04 | 15.071 .00 |
| $6 T 72$ | 3133M5XV7 1.000 .000 .00 FEDERAL HOME LN BKS 94.766000 |  | 1.000.940.00 | 0.06 0.05 | 53.280 .00 |
| $6 T 72$ | 3134A2BP2 $1.000,000.00$ FEDERAL HOME LN MTG CORP | $\begin{aligned} & 5.220 \text { 18MAROB DEB } \\ & 925.625 .00 \end{aligned}$ | 1.035 .940 .00 | 0.06 0.05 | 110.315.00 |
| 6 6T54 | 3134A3U46 70.000 .00 FEDERAL HOME LN MTG $\operatorname{CORP}$ | $\begin{aligned} & 6.750 \quad 15 \text { SEP29 DEB } \\ & 67.182 .08 \quad{ }_{107.719000} \end{aligned}$ | 75,403.30 | 0.00 | 8.221 .22 |
| 6 672 | 1.250.000.00 99.025000 | 1.237.812.50 107.719000 | 1.346.487.50 | 0.00 0.00 0.07 | 108.675.00 |
|  |  |  | i: $\dot{1}$ | 0.08 |  |
| $6 T 73$ | 3134A33L8 4.440 .000 .00 FEDERAL HOME LN MTG CORP | $\begin{aligned} & 7.000{ }^{15 M A R 10} \text { DEB } \\ & 4.723 .031 .16 \end{aligned}{ }^{112.187000}$ | 4.981.102.80 | 0.28 0.24 | 258.071.64 |
| $6 T 54$ | 3134A4HF4 620.000 .00 FEDERAL HOME LN MTG $\quad$ CORP | 5.50015 SEPII REFERENCE NT 619.212 .60 101.328000 | 628.233 .60 | $\begin{aligned} & 0.04 \\ & 0.03 \end{aligned}$ | 9.021 .00 |
|  |  |  |  | TAT <br>  | E STREET: <br>  |


| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  |  | AS-OF DATE: PAGE: 30 SEP01 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATURITY | DATE MKT PRICE |  |  |  |
|  | ORIGINAL UNITS LOCAL UNIT COST | TOTAL COST | UHIT PRICE | MARKET VALUE | \% CURR | UHREAL GM/LS UHREAL GN/LS |
| 6T54 | 31359MEB5 930.000 .00 FEDERAL HATL MTG ASSN 88.840000 | $\begin{aligned} & 6.210 \\ & 826.212 .00 \end{aligned}$ | DEB 99.172000 | 922.299.60 | 0.05 | 96.087 .60 |
| 6772 | 31359MERO I.000.000.00 FEDERAL NATL MTG ASSN 95.250000 | $\begin{aligned} & 6.500 \\ & 952.500 .00 \end{aligned}$ | ${ }^{\mathrm{DEB}}{ }_{101.875000}$ | 1.018.750.00 | 0.06 0.05 | 66.250 .00 |
| $6 T 72$ | 31359MEY5 $500,000.00$ | 6.625 501.850 .00 | 109.562000 | 547.810 .00 | 0.03 0.03 | 45.960 .00 |
| $6 T 72$ | 31359MFL2 1.500 .000 .00 FEDERAL HATL MTG $\begin{aligned} & \text { ASSM } \\ & 99.998000\end{aligned}$ | $\begin{gathered} 7.125 \\ 1.499 .970 .00 \end{gathered}$ | 112.719000 | 1.690.785.00 | 0.09 | 190,815.00 |
| GT54 | 31359MGJ6 $1.910,000.00$$\quad \begin{aligned} & \text { FEDERAL NATL MTG ASSN } \\ & 102.894000\end{aligned}$ | $\begin{gathered} 6.625 \quad 15 \mathrm{NOV} 10 \\ 1.965 .275 .40 \end{gathered}$ | 109.562000 | 2.092.634.20 | 0.12 0.10 | 127.358.80 |
| $6 T 72$ | 31359MGT4 450.000 .00 FEDERAL NATL MTG ASSN | $\begin{aligned} & 6.250 \quad 01 \text { FEB11 } \\ & 456.489 .00 \end{aligned}$ | 105.172000 | 473.274.00 | $\begin{aligned} & 0.03 \\ & 0.02 \end{aligned}$ | 16.785 .00 |
| $6 T 54$ |  | $\begin{array}{r} 6.000 \quad 15 M A Y 11 \\ 6.760 .136 .44 \end{array}$ | 105.187000 | 7.121.159.90 | 0.40 0.34 | 361.023 .46 |
| $6 T 54$ | 31771EAR2, 430.000 .00 INANCING CORP ${ }_{27}$ PRINC FICO STRP | $119.935 .60^{05 \text { APR19 }}$ |  | $\text { ON } 9.70{ }_{142.901 .90}^{2019}$ | 0.01 0.01 | 22.966 .30 |
| $6 T 54$ | 761157AB2 $833,000.00$$\stackrel{\text { RESOLUTION FDG }}{\text { CORP }} 107.250000$ | $\begin{aligned} & 8.625 \quad 15 \mathrm{JAN3O} \\ & 893.392 .50 \end{aligned}$ | 139.828000 | 1.164.767.24 | 0.07 0.06 | 271.374 .74 |
| 72 | 880591 CEO 2.000 .000 .00 TENNESSEE VALLEY AUTH $9 \begin{aligned} & \text { 9. } 234000\end{aligned}$ | $\begin{aligned} & 6.375{ }^{15 \mathrm{JUNOL}} \\ & 1.984 .680 .00 \end{aligned}$ | $\begin{gathered} 2005 \text { PWR BD } 1995 \\ 107.781000 \end{gathered}$ | SER A.155.620.00 | $\begin{aligned} & 0.12 \\ & 0.12 \end{aligned}$ | 170.940 .00 |
|  |  |  |  |  |  | $=36 E E$ |






| ${ }_{\text {UTS }}{ }_{\text {GT1] }}$ | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  | AS-OF DATE: ${ }^{\text {PAGEE }}$ 30SEPO1 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATURITY DATE MKT PRICE |  |  |  |
|  | ORIGINAL UACE LOCAL BASE UMIT Cost | TOTAL CosT | MARET VALUE | E-T........ | UREAL |
| CONVERTIBLES CONVERTIBLE BOMD |  |  |  |  |  |
| $6 T 54$ | $\underset{\substack{52008117 \\ 2560.000 .00}}{\text { BELL ATLANTIC FIN SERYICES }} 9$ |  | TS $\begin{aligned} & \text { 15SEP05 } \\ & \mathbf{2} \mathbf{6 8 3} .830 .94\end{aligned}$ | $4 \begin{array}{ll} \\ & 0.15 \\ 0.13\end{array}$ | 42.612.19 |
| $6 T 74$ |  | 39.000.00 87.880000 | $4 \mathrm{~A} \begin{array}{r}34.273 .20 \\ \hline-. .\end{array}$ | $0 \quad \begin{aligned} & 0.13 \\ & 0.00 \\ & 0.00\end{aligned}$ | -4.726.80 |
|  | $2.699 .000 .00$ | 2.680 .218 .75 | 2.718.104.14 | 44 | 37.885 .39 |
|  | 2.699.000.00 | $\overline{2.680 .218 .75}$ | $\overline{2.718 .104 .14}$ | $4 \quad \frac{1}{0.15}$ | 37.885 .39 |
| CORPORATE ELECTRIC/GAS |  |  |  |  |  |
| 6772 | 2091110D2 CONSOLIDATED EDISON CO NY INC |  | 1.332.912.50 | 0.07 | 85.362 .50 |
| 6772 |  |  | 1.282,250.00 | - $\begin{aligned} & 0.07 \\ & 0.06\end{aligned}$ | 89.625 .00 |
| $6 T 54$ | ${ }_{693515 A B 5}^{3.800 .000 .00}$ PPL CAP FDG IMC ${ }_{100.001895}$ |  | 3.807.942.00 | 0.21 | 7.870 .00 |
| 6773 | 87316TAB8 3.000 .000 .00 .TXU ELEC CO 100.000000 |  | 3.003.120.00 | 0.17 0.15 | 3.120 .00 |
| 6772 | 882850811.500 .000 .00 TEXAS UTILS ELEC CO 9.636000 | 103.963000 | $1.559,445.00$ | $\begin{array}{ll} 0.09 \\ 0: 08 & 64.905 .00 \end{array}$ <br> STATE STREET: <br>  |  |
|  |  |  |  |  |  |
| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  | AS-OF DATE: ${ }^{\text {PAGEE }} \mathbf{3 0 5 E P E 1}$ |  |
|  | ASSET ID ASSET DESCRIPTION | RATE maturity date met price |  |  |  |
| $6 T 54$ | ORIGINAL MATS LOCAL UNIT UASE UNIT COST | TOTAL COST | MARKET VALEE |  | UNREAA GNLS <br> UREAL |
|  |  | ${ }^{1.750 .117 .50}$ 15JUL28 91.936000 | 2.068.560.00 | 0.12 0.10 | 318.442.50 |
| 6 654 |  |  | 1.058.190.00 | 0.06 | 12.640 .00 |
|  | 14.050.000.00 | 13.530.454.50 | 14.112 .419 .50 | 0.85 0.79 0.68 | 581.965 .00 |
| CORPORATE FINANCE |  |  |  |  |  |
| 6772 |  |  | 1.085.270.00 | 0.06 | 83.760 .00 |
| 6772 |  | 111.748000 | 1.117.480.00 | 0:06 | 104.460.00 |
| 6772 |  |  | 1.039.290.00 | 0:06 | 88,840.00 |
| 6773 | ${ }^{125577 A B 2} 450.000 .00{ }^{\text {CIT }}$ 6ROUP INC 96.497000 |  | 464.170.50 | 0.03 0.02 | 29,934.00 |
| 6772 | 14040 EHC9 1.250 .000 .00 CAPITAL ONE BANK MED TRM NTS |  | 1.271.362.50 | 0.07 | 49.950.00 |
| 6772 |  |  | 1.056.860.00 | 0.06 | 79.780 .00 |
| . 54 | 2442178C8 ${ }_{900}^{2000.000} 0$ |  |  | $\begin{aligned} & 0.05 \\ & 0.04 \end{aligned}$ <br> GATE <br>  | STREET <br>  |



















STATESTMEET



STAME STREET:




| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL ASSET SUMMARY |  |  | AS-OF DATE: ${ }^{\text {PAGE }} \mathbf{3 0 S E P O I}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CURRENCY | MARKET VALUE | \% FUND | RAL SEC GN/LS | UNREAL CURR GN/LS | UNREAL GN/LS |
| XED INCOME |  |  |  |  |  |
| EURO CURRENCY >> AUSTRIA |  |  |  |  |  |
| EURO CURRENCY <br> 》 GERMANY | 568,281.69 | 0.03 | 7.000 .95 | 20.435 .49 | 27.436 .44 |
| EURO CURRENCY $1.490 .243 .81$ <br> >> INTERMATIONAL | 1.544.369.23 | 0.07 | 18.075.54 | 36,049.88 | 54.125 .42 |
| totals for euro currency ${ }^{\text {1.771.950.22 }}$ | 1.897.629.65 | 0.09 | 129.358 .12 | -3.678.69 | 125.679.43 |
| POUND STERLING 3.803.039.28 | 4,010.280.57 | 0.19 | 154.434 .61 | 52.806 .68 | 207.241 .29 |
| HONG KONG dollar 0.00 | 50.384 .95 | 0.00 | 50.384 .94 | 0.01 | 50.384 .95 |
| JAPANESE YEN 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| US dOLLAR 0.00 | 15.110 .73 | 0.00 | 15.110 .73 | 0.00 | 15.110.73 |
| 791.506.862.90 | 785.959.071.89 | 38.01 | -5,547.791.01 | 0.00 | -5.547.791.01 |
| TOTALS FOR FIXED INCOME |  |  |  |  |  |
| 795,309.902.18 | 790.034.848.14 | 38.21 | $\underline{-5.327 .860 .73}$ | 52.806 .69 | $\underline{-5.275 .054 .04}$ |



STATE STREET

| ${ }_{\text {GTIS }}{ }^{\text {US }}$ | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISALASSET SUMMARY |  |  | $\text { AS-OF DATE: PAGE: } 30 \text { SEPO1 }$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CURRENCY | MARKET VALUE | I FUND | UNREAL SEC 6N/LS | URREAL CURR GN/LS | TOTAL UNREAL GN/LS |
| FIXED INCOME SHORT SELLS |  |  |  |  |  |
| POUND STERLING |  |  |  |  |  |
| HONG KONG DOLLAR -740.569.03 | -782.128.81 | -0.04 | -12.507.12 | -29.052.66 | -41.559.78 |
| JAPANESE YEN 0.00 | -1.677.117.90 | -0.08 | -1.677.117.90 | 0.00 | -1.677.117.90 |
| US 0.00 | -2.088.47 | 0.00 | -2.088.47 | 0.00 | -2,088.47 |
| -93.131.610.90 | -66.926.872.51 | -3.24 | 26.204.738.39 | 0.00 | 26.204.738.39 |
| TOTALS FOR FIXED INCOME SHORT SELLS |  |  |  |  |  |
| $\underline{-93.872 .179 .93}$ | $\underline{-69.388 .207 .69}$ | $\underline{-3.36}$ | 24,513.024.90 | -29.052.66 | 24.483.972.24 |










STATE STKEET:



| NEN ZEALAND DOL |  |  |  |  | exchange rate | 2.458257 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CASH |  |  |  |  |  |  |
|  | 0.07 | 0.07 | 100.00 | 0.00 | 0.00 | 0.00 |
| 0.07 |  |  |  | 0.00 |  | 0.00 |
|  | 0.03 | 0.03 | 0.00 | 0.00 |  |  |
| TOTALS FOR HEY ZEALAND DOLLAR |  |  |  |  |  |  |
| 0.07 | 0.07 | $0.07{ }^{\circ}$ | 100.00 | 0.00 | 0.00 | 0.00 <br> 0.00 |
|  | 0.03 | 0.03 | 0.00 | 0.00 |  |  |







| ${ }_{\text {GT1 }}^{\text {US }}$ |  | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISALASSET SUMMARY |  |  | AS-OF DATE: ${ }^{\text {PAGE }} \mathbf{3 0} \dot{\text { S }}$ EPOI ${ }^{3}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CURRENCY | TOTAL COST | MARKET VALUE F FUND |  | UNREAL SEC GN/LS | UNREAL CURR GN/LS | TOTAL UNREAL GN/LS |
| EQUITIES |  |  |  |  |  |  |
| australian dollar | 9.680.907.00 | 9.008.526.98 | 0.44 | 1.258.415.86 | -1.930.795.88 | -672.380.02 |
| camadian dollar | 2.441.320.26 | 1.734,467.73 | 0.08 | -567.744.67 | -139.107.86 | -706.852 .535.681 .952 .83 |
| SWISS FRANC | 26.326.440.09 | 32,008.392.92 | 1.55 | -154.731.84 | -1.788 .236 .43-147.798 .92 |  |
| DANISH KRONE | 1.417.107.61 | 1.114 .576 .85 | 0.05 |  |  | -302.530.76 |
| EURO CURRENCY P) GERMANY | 21.109.144.22 | 14.482.888.63 | 0.70 | -4.976.677.03 | -1.649.578.56 | -6.626.255.59 |
| EURO CURRENCY 5> SPAIN | 8.346.388.82 | 7.200.052.80 | 0.35 | -360.051.64 | -786.284.38 | -1.146.336.02 |
| EURO CURRENCY <br> 3) FINLAND | 4.995.890.14 | 2.705.623.48 | 0.13 | -2.349.578.96 | 59.312 .30 | -2,290.266.66 |
| EURO CURRENCY <br> >> FRANCE | 35.770.309.61 | 29.399.169.23 | 1.42 | -2.533.969.79 | -3,837.170.59 | -6.371.140.38 |
| EURO CURRENCY | 116.307.08 | 121.442 .89 | 0.01 | 5,330.40 | -194.59 | 5.135.81 |
| EURO CURRENCY 7) IRELAND | 1.096.667.44 | 1.074.555.55 | 0.05 | -43.067.44 | 20.955 .55 | -22,111.89 |
| Euro curremcy >> ITALY | 7.791.692.93 | 9.163 .686 .41 | 0.44 | 2.136.948.20 | -764.954.72 | 1.371.993.48 |
| EURO CURRENCY <br> >> NETHERLANDS | 39.934.386.94 | 35.499.197.41 | 1.72 | -890,603.92 | -3,544.585.61 | -4.435.189.53 |
| Euro currency >> PORTUGAL |  | 151.962 .35 | 0.01 | -72.912.60 | 2.779 .91 | -70.132.69 |
| totals for euro c | CURRENCY ${ }_{119.382 .882 .22}$ | 99.798.578.75 | 4.83 | -9.084.582.78 | -10,499.720.69 | -19.584.303.47 |
| pound sterling | 74.681 .099 .44 | 72.773.677.72 | 3.52 | 834.139 .79 | -2,741.561.51 | -1.907.421.72 |
| hong kong dollar | 11.311 .933 .28 | 7.796.641.13 | 0.38 | -3.498.134.19 | 皦 -17.157 .96 | -3.515.292.15 |
| Japanese yen |  | 45.492.599.09 |  | -19.865.402. |  | -24.860 .811 .26-82.114 .03 |
| norwegian krone | 691.602.77 |  | 2.20 | $\text { -102.718. Wx } 20.604 .04$ |  |  |
| SWEDISH KRONA | 9.239.920.71 | $\begin{aligned} & 5.181 .270 .78 \\ & 2.725 .859 .99 \end{aligned}$ | $\begin{aligned} & 0.25 \\ & 0.13 \end{aligned}$ |  |  |  |
| SIngapore dollar | 3.609,117.39 |  |  |  |  |  |  |  |
| - : |  |  |  |  |  |  |
| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ |  | DC RETIREMERT BOARD -COMPOSITE COMPOSITE ACCOUNT POSITIION APPRAISALASSET SUMMARY |  |  |  | $\text { S-OF DATE: }{ }^{\text {PAGE }} \mathbf{3 0 S E P O I}$ |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| currency | total cost |  |  |  | MARKET VALUE | FUND | REAL SEC 6A/LS | UNREAL CURR GN/LS TOTAL UNREAL GN/ |  |
| us dollar | 794.776.241.65 |  |  |  | 829.351 .635 .78 | 40.11 | 34.575,394.13 | 0.00 | 34.575.394.13 |
|  |  |  |  |  |  |  |  |  |  |
| TOTALS FOR EQUITIES | 1.123.911.982.77 | $\underline{1.107,595.716 .4}$ | 53.56 | 7.570,630.10 | -23.886,896.41 | -16.316.266.31 |  |
|  |  |  |  |  |  |  |  |


GTIC














| ${ }_{\text {GTI }}^{\text {USD }}$ | DC RETIREMENT BOARD - COMPOSITE ACCOUNT POSITION APPRAISAL |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET Id ASSET DESCRIPTION |  | MATURITY DATE MKT PRICE |  |  |  |  |
|  | ORIGIMAL UNITS LOCE LOAL | UNIT COST | Total cosp | UNTYPRICE | MARET VALUE | \% CuRR | UMREAL |
| $\begin{aligned} & 6 T 44 \\ & 6 T 74 \end{aligned}$ | ${ }^{714505906} 307.060 .000 \mathrm{EHI}^{\text {E }}$ | $\begin{aligned} & 12.544141 \\ & 12.25227 \\ & 13.00550 \\ & 11.727447 \end{aligned}$ |  | $\begin{aligned} & 13.630000 \\ & 12.412948 \\ & 13.63000 \\ & 12.412948 \end{aligned}$ |  |  |  |
|  | 61.655.000 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | *********** |  | (ta********* |  |  |  |  |
| >> netherlands |  |  |  |  |  |  |  |
| *********** |  |  |  |  |  |  |  |
| GT44 | ${ }^{\text {414881904 }} 158.402 .000$ ELSEVIER NV | 11.437278 12.137809 |  | 12.810000 | 2.029.129.62 | 1.78 0.09 | 217.441:92 |
| $\begin{aligned} & 6 T 44 \\ & 6 T 74 \end{aligned}$ | $497095901{ }_{33.928 .000} \text { VNU N.V. }$ | 41.674663 40.558045 53.082966 |  | 30.95000$28: 186407$30.5000028.186407 | 1.050 .071 .60 <br> 956.308 .43 <br> 216.650 .00 197.304 .85 <br> ::: : <br> 1:153.613.28 |  | $-363.866 .35$ <br> $-41947944: 92$ <br> -174:275:91 <br>  |
|  | 7.000 .000 |  | - 411.6500000 |  |  |  |  |
|  |  |  | \% |  |  |  |  |
| $6 T 44$ | $520270901.02 . \text { ROYAL DUTCH P }$ | $\begin{aligned} & \text { PETROL } \\ & 3417494 \\ & 41.652234 \end{aligned}$ |  | 55.20000 | 3.093.424.40 | 2.71 0.14 | 1.158.393.08 483.847 .65 |
| 6774 | $\begin{gathered} \text { 52090790B } 18,000.000 \end{gathered}$ | 30.713258 27.469579 | EUK1. 2 . 6 494.452.42 | 14.630000 | 263:340:00 | 0.23 0.01 | -289:498.65 |
| $\begin{aligned} & 6 T 44 \\ & 6 T 74 \end{aligned}$ |  |  |  | 18. 110000 18.11000016.492919 |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  | STATE STREET <br>  |  |  |  |  |
| ${ }_{\text {UTD }}^{\text {GT1 }}$ |  | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  | AS-OF DATE: ${ }^{\text {PAGE }}$ 30SEP ${ }^{201}$ |  |  |
| ASSET id ASSET DESCRIPTION RATE MATURITY DATE MKT PRICE |  |  |  |  |  |  |  |
| GT44 | ORIGINAL UNITS FACE LOCAL | UNIT CosT |  | TOTAL COST | UMIT PRICE | MARETVAL-. | (earcrer | UHREAL GN/LS |
|  | ${ }^{525260907} 194.135 .0 \text { AHOLD (KON) }$ | 31.345142 31.460172 | $\begin{gathered} \text { EURO } 25 \\ 6.20 .19 \\ 6.107: 1820.42 \end{gathered}$ | 30.500000 27.776589 | 5.921.117.50 | 5.19 0.26 | -164.071.69 |
| GT44 | $548155902{ }_{67.612 .000}^{\text {TP6 NV }}$ | 11.535984 14.602194 | EURO. 48 <br> 779.970 .93 987.283 .57 <br>  | 20.990000 19.11557 | 1: 1.292 .1754 .89 | 1.24 | $639.204: 95$ $305: 171.02$ |
| GT44 | $5593799045_{50.241 .000}^{\text {FORTIS NL }}$ | 30.663675 31.283575 | EUR 00.24 $1: 540$ 1.571 .5718 .709 | 26.82000 24.425184 | 1.347.463.62 | 1.18 0.06 | -193.110 .08 -3472.572 |
| 6774 | $\begin{aligned} & 592737902.714 .000 \\ & \hline 50.710 N ~ N V \end{aligned}$ | ${ }_{47}^{41.331984}$ | EURO. 12 20. 1.886 .110 .2312 .35 | 28.720000 26.155529 | 1.456.506.08 | 8 $\quad \begin{aligned} & 1.28 \\ & 0.06\end{aligned}$ | -639.604 .15 -556.060 .86 |
| 6774 | $594936908.000 .000 \text { ASML HOLDING }$ | $\begin{gathered} \mathrm{NV}_{43}^{43.663011} \\ 38.880760 \end{gathered}$ | $\begin{aligned} & \text { EURO:02 } \\ & 1.3070 .216: 34 \\ & 1.244 .184 .32 \end{aligned}$ | 12.22000 11.128850 | 391.040 .00 356.123 .19 | $\begin{array}{ll}0 & 0.34 \\ 0.02\end{array}$ | ${ }^{-1}$ - ${ }_{-8886.0061 .13}$ |
| $6 T 44$$6 T 74$ |  |  | EURO.20 7.499 .288 .73 <br> 7.499 .288 .73 6.971 .648 .27 <br> 616.303.95 <br>  |  | 3. 915.941 .10 <br> 3.556.278.22 <br> 296.790 .57 <br>  | $\begin{aligned} & 3.43 \\ & 0.17 \\ & 0.29 \\ & 0.01 \\ & 0.01 \\ & \vdots . j \\ & \vdots . j 2 \\ & 0.19 \end{aligned}$ |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 6 T 44 \\ & 6 T 74 \end{aligned}$ |  | $\begin{aligned} & 43.004377 \\ & 41.937003 \\ & 46.65043 \\ & 42.553765 \end{aligned}$ |  | ${ }_{37}^{41}: 5200000$ 41.62000037.903650 | $1.553,716.22$ <br> $1.414: 981: 53$ <br> 1.4142 .589 .52 1.140 .748 .55 1 1 <br>  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { GT44 } \\ & \text { GT74 } \end{aligned}$ |  | 16.134497 <br> 18.019625 <br> 38.250000 34.531010 | CVA EURO-24 <br> 5.917.575.41 | $\begin{aligned} & 29.430000 \\ & 26: 802131 \\ & 29.4000 \\ & 26: 802131 \end{aligned}$ |  |  |  |
|  |  |  | 382.500 .00 345.310 .10 |  |  |  |  |  |  |
|  |  |  | 5 ${ }^{\circ}$ |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  | 39.957 .712 .17 |  |  |  |  |  |  |






| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ |  | DC RETIREMENT BOARD -COMPOSITE <br> ACCOUNT POSITION APPRAISAL |  |  | AS-OF DATE: ${ }^{\text {PAGE }}$ 30SEPO1 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATURITY DATE MKT PRICE |  |  |  |  |
|  | ORIGIMAL UHITS LOCAL UNIT COST | TOTAL COST | UNIT PRICE | MARKET VALUE | CURR | URREAL GN/LS UNREAL GN/S |
| $6 T 44$ | 635652001 83.000 .000 | JPY 50 $374.554,281.00$ $2,991.359 .39$ | 4. 100.000000 34.416176 | $340,300.000 .00$ $2: 856: 542.62$ | 6.01 0.14 | -34.254.281.00 |
| $6 T 74$ | $\begin{aligned} & 635756000 \text { FURUKAHA ELECTRIC } \\ & 16,000.000 \quad 2,416.860375 \\ & 21.961694 \end{aligned}$ | JPY50 38.669 .766 .00 351.387 .11 | 648.000000 5.439435 | $10,368.000 .00 ~$ 87.030 .95 | 0.18 | -28,301,766.00 |
| 6774 | $\begin{aligned} & 642872006 \text { HIROSE ELECTRIC } \\ & 5.200 .000 \quad 15.206 .137885 \\ & 142.395738 \end{aligned}$ | $\begin{aligned} & \text { JPY50 } \\ & 79.071 .917 .00 \\ & 740.457 .84 \end{aligned}$ | 7.500 .000000 62.956420 | 39.000.000.00 | 0.69 | -40.071.917.00 |
| $6 T 44$$6 T 74$ |  |  | $\begin{array}{r} 793.000000 \\ 69.656592 \\ 793.000000 \\ 6.656592 \end{array}$ |  | $\begin{aligned} & 6.23 \\ & 0.14 \\ & 0.60 \\ & 0.01 \\ & \vdots: \vdots= \\ & \vdots .83 \\ & 0.16 \end{aligned}$ |  |
|  |  |  |  |  |  |  |
| $\begin{aligned} & 6 T 44 \\ & 6 T 74 \end{aligned}$ |  |  | 3.870.000000 <br> 3.870 .485513 32.485513 |  | $\begin{aligned} & 0.94 \\ & 0.02 \\ & 0.34 \\ & 0.01 \\ & \vdots \vdots . j \\ & 1.28 \\ & 0.03 \end{aligned}$ |  |
|  |  |  |  |  |  |  |
| $\begin{aligned} & \text { GT44 } \\ & \text { GT74 } \end{aligned}$ |  |  | 6. 200.000000 <br> 6. 200.000000 <br> 52.043974 |  | $\begin{aligned} & 3.16 \\ & 0.07 \\ & 0.37 \\ & 0.01 \\ & \dot{3} .5 \\ & 0.08 \end{aligned}$ |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  | ATE STMEET: <br>  |  |
| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ |  |  | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  | AS-OF DATE: ${ }^{\text {PAGE }} 30$ SEP ${ }^{30}$ |  |
|  | ASSET Id ASSET DESCRIPTIOM | RATE MATU | $Y$ DATE MKT PRICE |  |  |  |
| 6774 | ORIGIMAL UAITS LOCAL UKIT COST | TOTAL COST | UWIT PRICE | MARKET VALUE | CURR | UNREAL GN/LS |
|  | $\begin{array}{r} 647187004 \\ 88.000 .000 \end{array}$ | $\begin{gathered} \text { JPY50 } \\ 36.984 .483 .00 \\ 335.214 .94 \end{gathered}$ | $\begin{array}{r} 280.000000 \\ 2.350373 \end{array}$ | $\begin{array}{r} 24.640 .000 .00 \\ 206.832 .82 \end{array}$ | $\begin{aligned} & 0.43 \\ & 0.01 \end{aligned}$ | $\begin{array}{r} -12.344 .483 .00 \\ -128.382 .12 \end{array}$ |
| 6774 | $\begin{array}{r} 648004000 \\ 23.000 .000 \end{array} \quad \begin{aligned} \text { AEON CO LTD } \\ 1,953.788478 \\ 18.471175 \end{aligned}$ | $\begin{aligned} & \text { 3PY50 } \\ & 44.9377 .135 .00 \\ & 424.837 .03 \end{aligned}$ | $\begin{array}{r} 2.390 .000000 \\ 20: 062112 \end{array}$ | $\begin{array}{r} 54.970 .000 .00 \\ 461: 428.59 \end{array}$ | $\begin{aligned} & 0.97 \\ & 0.02 \end{aligned}$ | $\begin{array}{r} 10.032 .865 .00 \\ 36,591.56 \end{array}$ |
| 6774 | $\begin{array}{r} 649099009 \text { KEYENCE CORP } \\ 1.000 .000 \quad 35.649 .840000 \\ 337.034640 \end{array}$ | $\begin{aligned} & 3 P Y 50 \\ & 35.649 .840 .00 \\ & 337.034 .64 \end{aligned}$ | $\begin{aligned} & 16.000 .000000 \\ & 134.307029 \end{aligned}$ | $\begin{aligned} & 16.000 .000 .00 \\ & 134: 307.03 \end{aligned}$ | $\begin{aligned} & 0.28 \\ & 0.01 \end{aligned}$ | $-19.649 .840 .00$ |
| 6774 | 64961800626.000 .000 $\quad$KOKUSAI SECURITIES <br> 1.291 .747500 <br> 12.212219 | $\begin{array}{r} \text { JPY50 } \\ 33.585 .435 .00 \\ 317.517 .70 \end{array}$ | $\begin{array}{r} 670.000000 \\ 5.624107 \end{array}$ | $\begin{aligned} & 17.420 .000 .00 \\ & 146 ; 226.78 \end{aligned}$ | $\begin{aligned} & 0.31 \\ & 0.01 \end{aligned}$ | $\begin{array}{r} -16.165 .435 .00 \\ -171: 290: 92 \end{array}$ |
| $6 T 74$ | $\begin{array}{rrr} 655103000 & \text { MABUCHI MOTOR CO } \\ 2.500 .000 & 12.952 .908400 \\ 122.457180 \end{array}$ | $\begin{aligned} & \text { JPY } 50 \\ & 32.382 .271 .00 \\ & 306.142 .95 \end{aligned}$ | $\begin{array}{r} 9.750 .0000000 \\ 81.843346 \end{array}$ | $\begin{aligned} & 24.375 .000 .00 \\ & 204: 608.36 \end{aligned}$ | 0.43 0.01 | -8.007 .271 .00 -101.534 .59 |
| $6 T 74$ | $\begin{array}{ll} 659672000 \text { MITSUBISHI ESTATE } \\ 41.000 .000 & 1.329: 298390 \\ 11.041375 \end{array}$ | $\begin{aligned} & \text { JPY } 50 \\ & 54.501 .234 .00 \\ & 452.696 .37 \end{aligned}$ | $\begin{array}{r} 1.182 .0000000 \\ 9.921932 \end{array}$ | $\begin{gathered} 48.462 .000 .00 \\ 406.799 .20 \end{gathered}$ | 0.86 0.02 | $\begin{aligned} & -6.039 .234 .00 \\ & -45.897 .17 \end{aligned}$ |
| 6774 | $\begin{array}{r} 659706006 \\ 73.000 .000 \end{array}$ | $\begin{aligned} & 3 P Y 50 \\ & 28.124 .200 .00 \\ & 265.887 .00 \end{aligned}$ | $\begin{array}{r} 413.000000 \\ 3.466800 \end{array}$ | 30.149 .000 .00 | 0.53 0.01 | $\begin{array}{r} 2.024 .800 .00 \\ -12.810 .59 \end{array}$ |
| 6774 | $659760003 \quad$ MITSUI FUDOSAM CO 52.000 .000 $\quad 1.248 .139192$ | $\begin{array}{r} \text { JPY50 } \\ 64.933 .238 .00 \\ 547.224 .98 \end{array}$ | $\begin{array}{r} 1.360 .000000 \\ 11.416097 \end{array}$ | 70.720.000.00 | 1:25 | $\begin{array}{r} 5.816 .762 .00 \\ 46.412 .09 \end{array}$ |
| $6 T 74$ | 659844005 151.000 .000 $\quad \begin{aligned} & \text { MITSUBISHI MOTOR } \\ & 345.593603 \\ & 3.253494\end{aligned}$ | $\begin{gathered} \text { JPY } 50 \\ 52.184 .634 .00 \\ 491: 277.62 \end{gathered}$ | $\begin{array}{r} 200.000000 \\ 1.678838 \end{array}$ | 30.200 .000 .00 253.504 .52 | 0.53 0.01 | $\begin{array}{r} -21.984 .634 .00 \\ -237.773 .10 \end{array}$ |
| 14.74 |  |  | 6.830 .00000057.3323136.830 .00000057.332313 |  | $\begin{aligned} & 2.65 \\ & 0.06 \\ & 0.90 \\ & 0.02 \end{aligned}$ |  |
|  |  |  |  |  | $\begin{aligned} & \dot{3}: \dot{5}=\dot{6} \\ & 0: 08 \end{aligned}$ | -76.370.099.00 |
|  |  |  |  |  |  | STRUET <br>  |


















| $\operatorname{GTIC}^{\text {GTSD }}$ | DC RETIREMENT BOARD-COMPOSITE ACCOUNT POSITIOA APPRAISAL |  |  |  | AS-OF DATE: ${ }^{\text {PAGE }}$ - 30 SEP ${ }^{61}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ASSET ID ASSET DESCRIPTION RATE MATURITY DATE MKT PRICE |  |  |  |  |  |  |
|  | ORIGINAL UNITS LOCE SAL UNIT COST | TOTAL Cost | UWIT PRICE | MARKET VALUE | CURR | UNREAL GN/LS UNREAL GN/LS |
| $6 T 10$ | 302491303 1.400 .000 | $\mathrm{COM}_{91,125.00} \mathrm{MEH}$ | 48.990000 | 68.586.00 | 0.00 0.00 | -22.539.00 |
| $6 T 10$ | 302571104 FPL GROUP IAC 41.783162 | $\mathrm{com}_{327,872.47}$ | 53.550000 | 420.206 .85 | 0.02 0.02 | 92.334.38 |
| GT24 | 305990970 7.376 .414 .000 | 7.376.414.00 | 0.829245 | 6.116.854.43 | 0.02 0.34 0.30 | -1.259.559.57 |
| $6 T 10$ | 307000109 ${ }_{7.600 .000}^{\text {FAMILY DLR STORES INC }} 28.240000$ | $\mathrm{COM}_{214,624.00}$ | 27.520000 | 209,152.00 | 0.01 | -5.472.00 |
| 6 T 10 | 313400301 30.860 .000 FEDERAL HOME LN MTG CORP | COM FORMERLY SR PART PFD924.597 .97 |  | 2,005,900.00 | 0.11 | 1.081 .302 .03 |
| 6 T 10 |  | ${ }_{1.600 .418 .84}$ | 80.060000 | 3.564,431.32 | 0.20 | 1.964,012.48 |
| GT10 | 31410H101 8.746 .000 FEDERATED DEPT STORES INC DEL 31.298725 | $\mathrm{COM}_{273,738.65}$ | 28.200000 | 246.637.20 | $\begin{aligned} & 0.01 \\ & 0.01 \end{aligned}$ | -27.101.45 |
| 6770 |  | $\begin{aligned} & \text { CL B } \\ & 1.168 .382 .88 \end{aligned}$ | 29.600000 | 1.420.800.00 | 0.08 | 252.417.12 |
| $6 T 10$ | $31428 \times 106$ 13.640 .000 FEDEX CORP | $\mathrm{COM}_{412.476 .70}$ | 36.750000 | 501.270.00 | $\begin{aligned} & 0.03 \\ & 0: 02 \end{aligned}$ | 88.793.30 |
| 6T10 | 316773100 FIFTH THIRD BANCORP $\mathbf{2 5 . 5 6 8 . 0 0 0}$ | $\begin{aligned} & \text { COM STK } \\ & 901.420 .89 \end{aligned}$ | 61.480000 | 1.571 .920 .64 | 0.09 0.08 | 670.499.75 |
|  |  |  |  |  |  | REPRT <br> axes そerinuts |




| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ |  | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  | $\text { AS-OF DATE: }{ }^{\text {PAGE }} \mathbf{3 0 S E P O 1}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTIOM | RATE MATU | TE MKT PRI |  |  |  |
|  | ORIGINAL URITS LOCE EAL UNIT COST | TOTAL COST | UNIT PRICE | MARKET VALUE | CURR | UNREAL GN/LS UNREAL GN/LS |
| $6 T 10$ | 369550108 9.000 .000 ${ }^{\text {GENERAL DYNAMICS CORP }}$ 46.349707 | ${ }_{417.147 .36}^{\mathrm{COM}_{417}}$ | 88.320000 | 794,880.00 | 0.04 | 377.732 .64 |
| $6 T 49$ | 26.000.000 55.127629 | 1.433.318.35 | 88.320000 | 2.296.320.00 | 0.13 0.13 0.11 | 863.001 .65 |
|  |  |  |  |  | í: ij |  |
| GT10 | $\begin{aligned} & 369604103 \\ & 441.627 .000 \end{aligned}$ | $\stackrel{\operatorname{com}}{7.998,332.10}$ | 37.200000 | 16.428,524.40 | 0.92 0.79 | 8,430.192.30 |
| GT10 | $370334104{ }_{12.656 .000}^{\text {GENERAL MLS INC }}$ 23.693326 | $\mathrm{COM}_{299.862 .74}$ | 45.500000 | 575,848.00 | 0.03 0.03 | 275.985.26 |
| 6 T 10 | 370442105 24.389.000 ${ }^{\text {GENERAL MTRS CORP }}$ 44.921689 | $\begin{gathered} \mathrm{COM} \\ 1.095 .595 .07 \end{gathered}$ | 42.900000 | 1.046.288.10 | 0.06 | -49.306.97 |
| GT49 | 18.600 .00053 .179295 | 989.134 .89 | 42.900000 | 797.940 .00 | 0.05 0.04 0.04 | -191.194.89 |
|  |  |  |  |  | O.ió |  |
| $6 T 10$ |  | $\mathrm{COM}_{204.831 .49}$ | 31.860000 | 242.868.78 | 0.01 0.01 | 38.037.29 |
| GT10 | 373298108 10.001 .000 $\underset{26.565230}{\text { GEORGIA PAC CORP }}$ | $\mathrm{COM}_{265.678 .87}$ | 28.790000 | 287.928.79 | 0.02 0.01 | 22.249 .92 |
| $6 \mathrm{T7} 0$ | 375558103.600 .000 18.600 GILEAD SCIENCES INC 50.087942 | $\mathrm{CON}_{931.635 .72}$ | 56.170000 | 1.044.762.00 | 0.06 0.05 | 113.126.28 |
| 6 6T10 | 375766102 46.842 .000 ${ }^{\text {GILLETTE CO }} \quad 35.135329$ | ${ }_{1.645 .809 .07}$ | 29.800000 |  | $0.08$ | $-249.92 \ldots-7$ <br> TRELT <br>  |


| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ | DC RETIREMENT BOARD - COMPOSITE ACCOUNT POSITION APPRAISAL |  |  |  | AS-OF DATE: ${ }^{\text {PAGE }}$ ( 30 SEPO1 ${ }^{65}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | MATURITY DATE MKT PRICE |  |  |  |  |
|  | ORIGINAL UAITS LOCAL UASE SASE COST | TOTAL COST | UNIT PRICE | MARKET VALUE | CURR | UNREAL GN/LS UNREAL GN/LS |
| $6 T 10$ | $\begin{array}{r} 381317106 \\ 7.030 .000 \end{array}{ }^{60 L D E N} \text { WEST FINL CORP DEL }$ | $\mathrm{COM}_{239,214.28}$ | 58.100000 | 408.443.00 | $\begin{aligned} & 0.02 \\ & 0.02 \end{aligned}$ | 169.228 .72 |
| 6T10 | ${ }_{482388106}^{4.600 .000}{ }^{\text {G00DRICH CORP }} 34.750815$ | ${ }^{C O M} 159.853 .75$ | 19.480000 | 89.608 .00 | $\begin{aligned} & 0.01 \\ & 0.00 \end{aligned}$ | -70.245.75 |
| GT10 |  | $\operatorname{com}_{171.570 .00}$ | 18.430000 | 129.010 .00 | 0.01 | -42.560.00 |
| 6T10 |  | $\mathrm{COM}_{177.744 .00}$ | 38.850000 | 163.170 .00 | $\begin{aligned} & 0.01 \\ & 0.01 \end{aligned}$ | -14,574.00 |
| $6 T 70$ | $\begin{aligned} & \text { 387328107. } \\ & 55.800 .000 \end{aligned}$ | 1.200,356.45 | 25.640000 | 1,430.712.00 | $\begin{aligned} & 0.08 \\ & 0.07 \end{aligned}$ | 230,355.55 |
| GT10 | 390568103 2.200 .000 | $\mathrm{COM}_{54,912.00}$ | 22.100000 | 48.620 .00 | $\begin{aligned} & 0.00 \\ & 0.00 \end{aligned}$ | -6.292.00 |
| $6 T 10$ | $\begin{aligned} & 401698105 \\ & 13,611.000 \end{aligned}{ }_{24.952643}$ | $\mathrm{COM}_{339,630.43}$ | 38.500000 | 524,023.50 | $\begin{aligned} & 0.03 \\ & 0.03 \end{aligned}$ | 184.393.07 |
| 6T10 | $\begin{gathered} 404119109 \\ 23.866 .000 \end{gathered}{ }^{\text {HCA }} \text { INC } \quad 26.183347$ | $\mathrm{COM}_{624.891 .77}$ | 44.310000 | 1.057 .502 .46 | 0.06 0.05 | 432.610 .69 |
| $6 T 10$ | $\begin{gathered} 406216101.086 .000 \\ 19.086 .000 \end{gathered}$ | ${ }^{\text {COM }} 558.031 .94$ | 22.550000 | 430.389.30 | $\begin{aligned} & 0.02 \\ & 0.02 \end{aligned}$ | -127.642.64 |
| $6 T 10$ | $41014 S 106{ }_{13.700 .000}^{\text {JOHN HANCOCK FINANCIAL }} \mathbf{3 9 . 9 3 0 0 0 0}$ SRVCS | $\mathrm{COM}_{547.041 .00}$ | 39.950000 | 547.315 .00 | $\begin{aligned} & 0.03 \\ & 0.03 \end{aligned}$ | 274.00 |
|  | , |  |  |  |  | TEET <br>  |


| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ | . | DC RETIREMENT BOARD -COMPOSITE COMPOSITE -ACCOUNT POSITION APPRAISAL |  |  | AS-OF DATE: 30 SAGE 66 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATU | TE MKT PRI |  |  |  |
|  | UNITS LOCAL UNIT COST ORIGINAL FACE BASE UNIT COST | TOTAL COST TOTAL COST | UNIT PRICE UNIT PRICE | MARKET VALUE MARKET VALUE | $\begin{aligned} & \text { \% CURR } \\ & \text { \% FUAD } \end{aligned}$ | UNREAL GN/LS UNREAL GN/LS |
| 6T10 | 412822108 13.500 .000 $\underset{3}{\text { HARLEY DAVIDSON INC }}$ | $\mathrm{COM}_{480.694 .00}$ | 40.500000 | 546.750.00 | $\begin{aligned} & 0.03 \\ & 0.03 \end{aligned}$ | 66.056 .00 |
| $6 T 10$ | 413619107 5.200 .000 HARRAHS ENTMT INC $\begin{aligned} & 28.590000\end{aligned}$ | ${ }_{14 \mathrm{COM}}^{\mathrm{CO}} .66 \mathrm{~B} .00$ | 27.010000 | 140.452.00 | $\begin{aligned} & 0.01 \\ & 0.01 \end{aligned}$ | -8.216.00 |
| GT71 | $\begin{aligned} & 416196103 \text { HARTE HANKS INC } \\ & 105.300 .000 \end{aligned}$ | $2.348 .834 .46$ | 21.640000 | 2.278 .692 .00 | $\begin{aligned} & 0.13 \\ & 0.11 \end{aligned}$ | -70.142.46 |
| GT10 | 416515104 HARTFORD FINAMCIAL SVCS GRP 10.592 .000 33.679406 | $\mathrm{COM}_{356,732.27}$ | 58.740000 | 622.174.08 | 0.03 | 265.441.81 |
| GT49 | 28.700.000 53.220824 | 1.527.437.64 | 58.740000 | 1.685.838.00 | 0.03 0.09 0.08 | 158.400.36 |
|  | 39:292.000 |  |  |  | - 0.13 | 423.842.if |
| 6T10 | 418056107 7.600.000 ${ }^{\text {HASBRO INC }}$ ( 17.350000 | $\operatorname{COM}_{131.860 .00}$ | 14.000000 | 106.400.00 | 0.01 | -25.460.00 |
| 6 671 | 268.300 .00015 .913776 | 4.269.666.21 | 14.000000 | 3,756.200.00 | 0.01 0.21 0.18 | -513.466.21 |
|  |  |  |  | 3.8\%2.600.00 |  |  |
| 6 6T10 | 421924101 17.300 .000 $\stackrel{\text { HEALTHSOUTH CORP }}{ } \begin{aligned} & 16.150000\end{aligned}$ | $\mathrm{COM}_{279.395 .00}$ | 16.260000 | 281.298.00 | $\begin{aligned} & 0.02 \\ & 0.01 \end{aligned}$ | 1.903 .00 |
| 6T70 | $422226108 \underset{55,000.000}{\text { HEALTH NET INC }}{ }_{10.881153}$ | $\mathrm{COM}_{598.463 .42}$ | 19.220000 | 1.057 .100 .00 | $\begin{aligned} & 0.06 \\ & 0.05 \end{aligned}$ | 458,636.58 |
| . 10 | $423074103 \quad{ }_{15.500 .000}^{\text {HEINZ H J CO }} 29.881002$ | $\mathrm{COM}_{463.155 .53}$ | 42.150000 | 5653,325.00 | 0.04 | 190.169.47 |
| 6T49 | 6.300.000 $\quad 46.247500$ | 291.359.25 | 42.150000 | $26583$ | $\begin{aligned} & 0.03 \\ & 0.01 \end{aligned}$ | -25,814.25 |
|  |  |  |  |  | $\begin{aligned} & \therefore: \% \\ & 0.05 \end{aligned}$ | $164.355 .22$ |




| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ |  | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  |  | AS-OF DATE PAGE: 30 SEPO1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ASSET ID ASSET DESCRIPTION MATE MATURITY DATE MKT PRICE |  |  |  |  |  |  |
|  | ORIGINAL FAITS LOCAL UNIT COST | TOTAL COST TOTAL | UNIT PRICE | MARKET VALUE | CURR | UNREAL |
| 6 T 10 | $\begin{aligned} & 475070108 \\ & 6.764 .000 \end{aligned}$ | ${ }^{\text {COM }} 179.523 .02$ | 44.480000 | 300,862.72 | 0.02 0.01 | 121.339.70 |
| $6 T 10$ | $\underset{134.663 .000}{478160104} \underset{25.645138}{\text { JOHRSON }}+\underset{2}{\text { JOHNSON }}$ | $\xrightarrow{\mathrm{COM}} 3,453,451.24$ | 55.400000 | 7.460.330.20 | 0.42 0.36 | 4.006.878.96 |
| GT10 | 478366107 ${ }_{3,900.000}^{\text {JOHHSON CTLS INC }} 73.560000$ | $\mathrm{COM}_{286.884 .00}$ | 65.240000 | 254.436.00 | 0.01 | -32.448.00 |
| 6770 | 480074103 20.200 .000 $\quad \begin{aligned} & \text { JONES APPAREL GROUP INC } \\ & 33.969800\end{aligned}$ | ${ }_{686.189 .96}$ | 25.490000 | 514.898.00 | $\begin{aligned} & 0.03 \\ & 0: 02 \\ & 0.02 \\ & 0: 02 \end{aligned}$ |  |
| 6 T 71 |  | 430.633.80 | 25.490000 | 433.330 .00 |  | $\begin{array}{r} -171,291.96 \\ 2,696.20 \end{array}$ |
|  |  | i.ísis, |  | 948. | 0.05 |  |
| 6T10 | $\stackrel{482480100}{8.274 .000} \stackrel{\text { KLA TENCOR CORP }}{17.606640}$ | $\operatorname{com}_{145,677.34}$ | 31.580000 | 261.292 .92 | 0.01 | 115,615.58 |
| $6 T 10$ | $\begin{aligned} & 482584109 \\ & 21.700 .000 \end{aligned}{ }^{\mathrm{K}} \text { MART CORP }$ | ${ }_{235.662 .00}^{\mathrm{COM}_{2}}$ | 6.990000 | 151.683 .00 | $\begin{aligned} & 0.01 \\ & 0.01 \end{aligned}$ | -83,979.00 |
| $6 T 10$ | $\begin{aligned} & 48666 \mathrm{~K} 109 \\ & 2.000 .000 \end{aligned}$ | $\mathrm{COM}_{58,762.75}$ | 28.410000 | 56.820.00 | $\begin{aligned} & 0.00 \\ & 0.00 \end{aligned}$ | -1.942.75 |
| $6 T 10$ | $\begin{aligned} & 487836108 \\ & 18,072.000 \end{aligned}{ }^{\text {KELLOGG CO }} 30.569126$ | $\text { COM } 552,445.25$ | 30.000000 | 542.160 .00 | 0.03 0.03 | -10.285.25 |
| 6 T 10 | $492386107{ }_{4,420.000}^{\text {KERR MCGEE CORP }}{ }_{51.849762}$ | $\operatorname{com}_{229.175 .95}$ | 51.910000 |  | 0.01 | 266.25 |
|  |  |  |  |  |  |  |


| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  |  |  | $\text { AS-OF DATE: PAGE: } 30 \text { SEPOI }$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION |  | rate matu | TE MKT PRI |  |  |  |
|  | ORIGIMAL URITS LOCAL UNIT COST |  | TOTAL cost | UNIT PRICE | MARKET VALUE | \% CURR | UNREAL GN/LS UNREAL GN/LS |
| 6T10 | 4. ${ }^{267108}{ }_{18.893 .000}^{\text {KEYCORP NEM }} 23.950763$ |  | $\mathrm{COM}_{452.501 .76}$ | 24.140000 | 456.077 .02 | 0.03 0.02 | 3,575.26 |
| 6 G10 | $\begin{array}{cc} \text { 49337 M100 } \\ 6.100 .000 \end{array}$ |  | $\operatorname{com}_{212,386.75}$ | 33.240000 | 202.764.00 | 0.01 | -9.622.75 |
| $6 T 10$ | $494368103{ }_{23,701.000}{ }^{\text {KIMBERLY CLARK }}{ }_{41.686783}$ |  | $\operatorname{com}_{988,018.44}$ | 62.000000 | 1.469.462.00 | 0.08 0.07 | 481,443.56 |
| $6 T 10$ | 49455P101 5.100 .000 $\quad$ KINDER MORGAN INC KANS |  | ${ }_{244.533 .50}^{\mathrm{COM}_{24}}$ | 49.210000 | 250.971 .00 | 0.01 0.01 | 6.437 .50 |
| 6 GTIO | 495582108 10.166 .000 $\quad$ KING PHARMACEUTICALS INC |  | $\mathrm{COM}_{280.140 .64}$ | 41.950000 | 426.463.70 | 0.02 | 146.323.06 |
| 6770 | 26.666.000 34.204872 |  | 912.107 .13 | 41.950000 | 1.118.638.70 | 0.02 0.06 0.05 | 206,531.57 |
|  |  |  |  |  |  |  | з̇52: |
| $6 T 10$ | 499040103 3.300.000 ${ }_{3}{ }^{\text {KNIGHT RIDDER INC }} \quad{ }_{60.610000}$ |  | $\mathrm{COM}_{200.013 .00}$ | 55.850000 | 184,305.00 | 0.01 | -15.708.00 |
| $6 T 10$ | $500255104 \underset{14,816.000}{\text { KOHLS CORP }} \quad 29.966430$ |  | $\operatorname{COM}_{443.982 .62}$ | 48.000000 | 711.168 .00 | 0.04 0.03 | 267.185.38 |
| $6 T 74$ | $\begin{gathered} 500472303 \text { KONNKLIJKE PHILIPS ELECTRS } \\ 3.000 .000 \end{gathered}$ |  | B4,697.55 | 19.300000 | 57.900 .00 | 0.00 0.00 | -26.797.55 |
| 6770 | 500648100 41.700 .000 KOS PHARMACEUTICALSINC 18.005756 |  | ${ }^{\text {COM }} 750.840 .02$ | 27.850000 | 1.161 .345 .00 | 0.06 0.06 | 410.53 |
|  |  |  |  |  |  |  | KEE |



| GT1C |  | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  | AS-OF DATE: ${ }^{\text {PAGE }}$ [ 30 SEPO1 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATURITY DATE MKT PRICE |  |  |  |  |
|  | ORIGINAL UACE BACAL UNIT COST | TOTAL COST | UNIT PRIIE UFIT PRICE | MARKET VALUE | \% CURR | UNREAL |
| 6T10 | 549463107 $151,437.000$$\underset{26.419443}{\text { LUCENT TECHNOLOGIES INC }}$ | ${ }_{4.000 .881 .22}^{\mathrm{COM}}$ | 5.730000 | 867.734 .01 | 0.05 0.04 | -3.133.147.21 |
| 6 T 10 | $55262 C 100{ }_{6,600.000}^{\text {MBIA INC }} \quad 48.930000$ | $\mathrm{COM}_{322.938 .00}$ | 50.000000 | 330.000 .00 | 0.02 0.02 | 7.062 .00 |
| 671 | $87.850 .000 \quad 31.929167$ | 2.804.977.36 | 50.000000 | 4.392.500.00 | 0.02 0.21 | 1.587.522.64 |
|  | 94: 9 |  |  |  | 0: | ¢ |
| 6 T 10 | 55262 L100 37.888 .000 MBNA CORP $\quad 13.148635$ | ${ }_{\text {COM }}^{\text {C98,175.47 }}$ | 30.290000 | 1.147.627.52 | 0.06 0.06 | 649.452 .05 |
| $6 T 71$ |  | 3,029.688.84 | 30.290000 | 3,471,234.00 | -0.19 | 441.545 .16 |
|  |  |  |  |  |  |  |
| $6 T 10$ | $552848103{ }_{4.800 .000}^{\text {MGIC INVT CORP }}$ (HIS ${ }_{64.145000}$ | $\mathrm{COM}_{307,896.00}$ | 65.340000 | $313,632.00$ | $\begin{aligned} & 0.02 \\ & 0.02 \end{aligned}$ | $5,736.00$ |
| 6 T 10 |  | ${ }^{\text {com }} 129.444 .00$ | 28.100000 | 129.260 .00 | 0.010.010.040.03 | -184.00 |
| 6 T 70 | 25,400.000 21.785520 | 553.352 .22 | 28.100000 | 713.740 .00 |  | 160.387 .78 |
|  | 30.:000:000 |  |  |  | 0.05 | ¢ $\ddagger$ |
| $6 T 70$ | $565011103 \underset{79.900 .000}{\text { MANUGISTICS GROUP INC }} 11.882156$ | $\mathrm{COM}_{949.384 .25}$ | 5.820000 | 465,018.00 | $\begin{aligned} & 0.03 \\ & 0.02 \end{aligned}$ $T / E T$ <br> se taxi: | -484.366.25 |
|  |  |  |  |  |  |  |






| ${ }_{\text {UT1 }}^{\text {UT }}$ |  | DC RETIREMENT BOARD -COMPOSITE <br> ACCOUNT POSITION APPRAISAL |  |  | AS-OF DATE: ${ }^{\text {PAGE }}$ 30SEPO1 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATURITY DAT | TE MKT PRI |  |  |  |
|  | ORIGINAL FACE LOCAL UNIT COST | TOTAL COST | UNIT PRICE | MARKET VALUE | CURR | UNREAL GN/LS UNREAL GA/LS |
| 6 T 10 | 637640103 7.750 .000 NATIONAL SEMICONDUCTOR CORP | $\mathrm{COM}_{202.375 .34}$ | 22.050000 | 170.887 .50 | 0.01 | -31.487.84 |
| 6770 | $38.300 .000 \quad 23.219900$ | 889.322 .17 | 22.050000 | 844.515 .00 | 0.01 0.01 0.05 | -31.487 .84 -44.807 .17 |
|  | ¢ $4 \overline{\text { ¢ }}$ |  |  | i:0iju: |  |  |
| 6T10 | 637657107 1.800 .000 $\underset{\text { NATIONAL SVC INDS INC }}{23.610000}$ | $\mathrm{COM}_{42.498 .00}$ | 20.650000 | 37.170 .00 | 0.00 | -5.328.00 |
| 6T10 | 63934E108 2.600 .000 | $\stackrel{C O M}{108.660 .50}^{C_{10}}$ | 28.250000 | 73.450.00 | 0.00 0.00 | -35.210.50 |
| 6 T 71 | 640204202 53.500 .000 NEIMAN MARCUS GROUP $\begin{aligned} & 34.395236\end{aligned}$ | ${ }_{1.84} \mathrm{CL}$ A ${ }^{\text {a }} 145.12$ | 24.450000 | 1.308 .075 .00 | 0.07 | -532.070.12 |
| 6770 | 640938106 $77,000.000$${ }^{\text {NETWORKS ASSOCS INC }} 11.637077$ | ${ }_{896.054 .90}^{\mathrm{COM}_{8}}$ | 12.890000 | 992,530.00 | 0.06 0.05 | 96.475.10 |
| $6 T 70$ | 64115P102 23.300 .000 | ${ }_{\text {COM }}^{714.194 .34}$ | 22.770000 | 530.541.00 | 0:03 | -183.653.34 |
| 6 T 10 | 64120L104 14.400 .000 NETWORK APPLIANCE IMC 14.119914 | $\mathrm{COM}_{203.326 .76}$ | 6.800000 | 97.920 .00 | 0.01 | -105,406.76 |
| 674 | 643491905 $115,000.000$ HONG KONG LAND HLD $\begin{aligned} & \text { H. } \\ & 1.863525\end{aligned}$ | $\begin{aligned} & \text { USD } \\ & 214.305 .35 \end{aligned}{ }^{0.10(S I N G} \text { QUOTE) }$ | 1.600000 | 184.000.00 | 0.01 | -30.305.35 |
| $6 T 10$ | 650111107 7.097.000 ${ }^{\text {NEW }}$ YORK TIMES ${ }_{23.574119}^{\text {CO }}$ | ${ }^{C}{ }_{167.305 .52}$ | 39.030000 | 276.995.91 | 0.02 | 109.690.39 |
|  |  |  |  |  | $0.01$ $A T$ <br>  | STREET: <br>  |


| $\begin{aligned} & \text { GTIC } \\ & \text { USD } \end{aligned}$ |  | DC RETIREMENT BOARD -COMPOSITE COMPOSITE -account position appraisal |  |  | AS-OF DATE: 30 SEPOI |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATURI | TE MKT PRI |  |  |  |
|  | ORIGINAL UNITS LOCAL UNIT COST | TOTAL COST | UWIT PRICE | MARKET VALUE market value | \% CURR | UNREAL GN/LS UNREAL GN/LS |
| 6 610 | 651229106 11.778 .000 $\frac{\text { NEWELL RUBBERMAID I INC }}{28.527602}$ | $\mathrm{COM}_{335.998 .10}$ | 22.710000 | 267.478.38 | 0.01 | -68,519.72 |
| 6T10 | 651639106 B.600.000 MENONT MNG CORP 20.750000 | ${ }^{\mathrm{COH}}{ }_{178.450 .00}$ | 23.600000 | 202.960 .00 | 0.01 0.01 | 24.510 .00 |
| GT10 |  | $\mathrm{CLL}_{712.236 .00}$ | 8.640000 | 293,760.00 | 0.02 0.01 | -418.476.00 |
| $6 T 10$ | $653520106{ }_{7.100 .000}^{\text {MIAGARA MOHANK HLDGS INC }} 16.335915$ | $\operatorname{com}_{115.985 .00}$ | 16.970000 | 120.487 .00 | 0.01 0.01 | 4,502.00 |
| GT10 | 654086107 2.000 .000 | $\mathrm{COM}_{77.088 .50}$ | 38.750000 | 77.500 .00 | 0.00 0.00 | 411.50 |
| 6T10 | 654106103 12.095.000 NIKE INC 44.285793 | CLLB ${ }_{535.636 .67}$ | 46.810000 | 566.166 .95 | $\begin{aligned} & 0.03 \\ & 0.03 \end{aligned}$ | 30.530 .28 |
| $6 T 10$ |  | $\operatorname{com}_{230.476 .55}$ | 23.310000 | 214.195.59 | 0.01 | -16,280.96 |
| 6774 | 654902204 4.200 .000 $\underset{ }{\text { HOKIA CORP }} \quad 23.913800$ | $\begin{aligned} & \text { SPONSORED ADR } \\ & 100.437 .96 \end{aligned}$ | 15.650000 | 65.730 .00 | $\begin{aligned} & 0.00 \\ & 0.00 \end{aligned}$ | -34.707.96 |
| GT10 |  | $\mathrm{COM}_{242.313 .00}$ | 24.000000 | 141.600.00 | $\begin{aligned} & 0.01 \\ & 0.01 \end{aligned}$ | -100.713.00 |
| 10 | 655664100 5.900 .000 NORDSTROM INC 20.060000 | $\operatorname{com}_{118.354 .00}$ | 14.450000 | 85.255 .00 | 0.00 | -33.099.00 |
| -170 | 30.100 .00018 .390643 | 553.558.34 | 14.450000 | 434.945.00 | 0.00 0.02 0.02 | -118.613.34 |
|  | з\% |  |  |  |  |  |










| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ |  | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  | $\text { AS-OF DATE: PAGE: } 30 \text { SEPOI }$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATURITY DATE MKT PRICE |  |  |  |  |
|  | ORIGINAL UNITS LOCAL UASE UNIT COST | TOTAL COST | UNIT PRICE | MARKET VALUE | CURR | UNREAL UNREAL |
| GT10 | $\begin{gathered} 808513105 \\ 61.575 .000 \end{gathered}$ | $\begin{aligned} & \text { NEH COM STK } \\ & 1.002 .542 .03 \end{aligned}$ | 11.500000 | 708.112.50 | 0.04 0.03 | -294.429.53 |
| GT10 | $\begin{aligned} & 808655104 \\ & 7.240 .000 \end{aligned}$ | $\mathrm{COM}_{186.114 .92}$ | 17.550000 | 127.062 .00 | 0.01 | -59.052.92 |
| 6770 | $35.900 .000 \quad 26.189229$ | 940.193 .32 | 17.550000 | 630.045 .00 | 0.01 0.04 0.03 | -310.148.32 |
|  |  | i: |  |  |  | -36ís: |
| $6 T 70$ | $808905103 \underset{45,000.000}{\text { SCIOS INC }} \quad 25.112207$ | ${ }_{1.130 .049 .30}$ | 16,720000 | 752.400.00 | 0.04 0.04 | -377.649.30 |
| 6T10 | $81211 \mathrm{~K}_{3.700} \underset{3.760 .000}{\text { SEALED AIR CORP }} 57.947444$ | $\mathrm{COM}_{217.882 .39}$ | 36.490000 | 137.202 .40 | 0.01 | -80.679.99 |
| $6 T 10$ | $\begin{gathered} 812387108 \\ 14.621 .000 \end{gathered} \underset{34.361100}{\text { SEARS ROEBUCK }}+\underset{ }{\mathrm{CO}}$ | ${ }_{502.393 .64}$ | 34.640000 | 506.471.44 | 0.03 | 4.077 .80 |
| 6 T 49 | 32.600 .00034 .365518 | 1.120,315.88 | 34.640000 | 1.129.264.00 | 0.06 0.06 0.05 | 8.948 .12 |
|  |  | i: |  |  |  | ¢ |
| 6T10 | ${ }^{\text {B16851109 }}{ }_{9.100 .000}^{\text {SEMPRA ENERGY }} 27.750000$ | $\mathrm{com}_{252.525 .00}$ | 24.750000 | 225.225.00 | 0.01 0.01 | -27.300.00 |
| $6 T 70$ | $8173151041,300.000$ SEPRACOR INC 38.843014 | $\mathrm{COM}_{438.926 .06}$ | 35.900000 | 405.670.00 | 0.02 0.02 | -33.256.06 |
| $6 \mathrm{T71}$ |  | $\begin{gathered} \text { COM } \\ 1.904 .478 .81 \end{gathered}$ | 11.090000 |  | $\begin{aligned} & 0.11 \\ & 0.10 \end{aligned}$ 是 $\text { F } A x=$ | $149.389 .19$ <br> TRRET: <br>  |


















| $\begin{aligned} & \text { GTIC } \\ & \text { USD } \end{aligned}$ |  | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  | AS-OF DATE: ${ }^{\text {PAGE }}$ : 30 SEPO1 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATURITY dATE MKT PRIC |  |  |  |
|  | ORIGINAL UNITS LOCAL UNIT COST | TOTAL COST | MARKET VALUE | \% CURR | UNREAL GN/LS UNREAL GN/LS |
| $6 T 54$ | 3133MFVA3 270.000 .00 FEDERAL HOME LN BKS 99.917000 | 4.750 269.775 .90 | 277.592.40 | 0.02 0.01 | 7.816 .50 |
| 6772 | 3133M4ET6 $2.800,000.000^{\text {FED HM LN BKS }}{ }_{103.113700} 0$ | $2.8 .185 .183 .60 \quad \text { O6MAYOB CONS }{ }_{107}^{8 D} .031000$ | 2.996.868.00 | 0.01 0.17 0.14 | 109.684.40 |
| 6 T 72 | 3133M5JK7 700.000 .00 |  | 727.783.00 | 0.17 0.04 0.04 | 15.071.00 |
| $6 T 72$ | 3133M5XV7 $1.000,000.00$ FEDERAL HOME LN BKS 94.766000 |  | 1.000.940.00 | 0.06 0.05 | 53,280.00 |
| $6 T 54$ | 3133T6YU2 $1.963,247.40$ 6.000 .000 .00 | $\begin{aligned} & 7.000{ }^{25 J A N 21} \text { MULTICLASS MTG } \\ & 1.958 .339 .28 \end{aligned}$ | $\text { PARTN } \begin{aligned} & \text { CTFS } \\ & 2,035.377 .11 \end{aligned}$ | 0.05 0.11 | 77.037 .83 |
| 6772 |  |  | 1,035,940.00 | 0.11 0.06 | 110.315.00 |
| $6 T 54$ | 3134A3U46 70.000 .00 FEDERAL HOME LN MTG CORP | $6_{67.182 .08}{ }^{15 S E P 29 ~ D E B ~}{ }_{107.719000}$ | 75.403.30 |  |  |
| 6 T 72 | $1.250 .000 .00 \quad 99.025000$ | 1.237.812.50 107.719000 | 1.346.487.50 | 0.00 0.00 0.08 0.07 | 8.221 .22 108.675 .00 |
|  |  |  | i: |  |  |
| $6 T 73$ | $3134 A 33 L 8$ 4.440 .000 .00 FEDERAL HOME LN MTG CORP |  | 4.981.102.80 | 0.28 0.24 | 258.071.64 |
| $6 T 54$ | 3134A4HF4 620.000 .00 FEDERAL HOME LN MTG CORP | 5. 500 15SEP11 REFERENCE NT $619.212 .60 \quad 101.328000$ | 628.233.60 | 0.24 0.04 0.03 | 9.021 .00 |
|  |  |  |  |  | STREET: <br>  |


| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  |  |  | AS-OF DATE: ${ }^{\text {PAGE }}$ 30SEP01 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION | RATE MATURITY | DATE MKT PRICE |  |  |  |
|  | ORIGINAL UNITS LECE BASAL UNIT COST | TOTAL COST | UWIT PRICE | MARKET VALUE | ${ }_{2}{ }_{2}$ CURR | UNREAL GM/LS UNREAL GW/LS |
| $6 T 54$ |  |  | 104.487000 | 240.569.92 | 0.01 | 4.970.58 |
| $6 T 54$ | 31340ME35 3.009 .813 .50 3.000 .000 | ${ }_{1 i 3,468.24}{ }^{8} 1000{ }^{\text {a }}$ | 104.425000 | 114.672 .75 | 0.01 | 1.204 .51 |
| $6 T 54$ | 31340 MPU3 243 FED HM LN PC $2.081 .5156399^{181335}$ 9.000 .000 .00 | 8.750 254.057 .66 | 106.082000 | 257.865.19 | 0.01 | 3.807 .53 |
| 6T54 |  | ${ }^{8.500}{ }_{73.70} 01$ JUL24 | 107.531000 | 78.57 | 0.00 0.00 | 4.87 |
| $6 T 54$ | 31359MEB5 930.000 .00 | $\begin{aligned} & 6.210 \\ & 826.212 .00 \end{aligned}$ | DEB 99.172000 | 922.299.60 | 0.05 0.04 | 96.087 .60 |
| $6 T 72$ | 31359MERO $1.000,000.00$ FEDERAL NATL MTG ASSN 95.250000 | $\begin{aligned} & 6.500 \quad 29 \text { APRO9 } \\ & 952.500 .00 \end{aligned}$ | ${ }^{\text {DEB }}{ }_{101.875000}$ | 1.018.750.00 | 0.06 0.05 | 66.250 .00 |
| 6772 | 31359MEY5 FEDERAL NATL MTG $500,000.00$ ASSN 100.370000 | $\begin{aligned} & 6.625 \quad \text { 15SEP09 } \\ & 501,850.00 \end{aligned}$ | 109.562000 | 547.810 .00 | 0.03 0.03 | 45,960.00 |
| 672 |  | $\begin{gathered} 7.125 \text { 15MAR07 } \\ 1.499 .970 .00 \end{gathered}$ | 112.719000 | 1.690 .785 .00 | 0.09 0.08 | 190.815 .00 |
| GT54 | 31359MGJ6 1.910 .000 .00 FEDERAL NATL MTG ASSN | $\begin{gathered} 6.625 \quad 15 \mathrm{NOV} 10 \\ 1.965 .275 .40 \end{gathered}$ | 109.562000 | 2,092.634.20 | 0.12 0.10 | 127.358.80 |
| 72 | 31359MGT4 450.000 .00 | $\begin{aligned} & 6.250 \quad \text { 01FEBII } \\ & 456.489 .00 \end{aligned}$ | 105.172000 | 473.274 .00 | 0.03 0.02 | 16.785 .00 |
|  |  |  |  |  |  | E STRED |



| $\begin{aligned} & \overline{\text { GT1C }} \\ & \text { USD } \end{aligned}$ | DC RETIREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  |  |  |  |  | AS-OF DATE: ${ }^{\text {PAGE }} \mathbf{3 0 S E}{ }^{125}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCRIPTION |  | MATURITY DATE MKT PRICE |  |  |  |  |  |
| $6 T 54$ | ORIGINAL UMITS | LOCAL UNIT COST | TOTAL Cost | UNIT PRICE |  | MARKET VALUE | \% CURR | UNREAL GN/LS |
|  |  |  | $\begin{aligned} & 7.700 \quad 15 \text { MAY97 } \\ & 2.762 .379 .92 \end{aligned}$ | DEB 94.875000 | 2.656,500.00 |  | 0.15 0.13 | -105.879.92 |
| $6 T 54$ | $\begin{aligned} & 345370 \text { CA6 } \\ & 560.000 .00 \end{aligned} \underset{96.145732}{\text { FORD MTR CO DEL }}$ |  | $7.45016 J U L 31$ GLOBAL LANDMARK SECS <br> 538.416.10 <br> 94.472000 |  |  | $\begin{aligned} & \text { GLOBLS } \\ & 529.043 .20 \end{aligned}$ | 0.03 0.03 | -9.372.90 |
| 672 | 3453976 Y 9 FORD MTR CR CO400.000 .00 |  | $\begin{aligned} & 6.750 \quad 15 \mathrm{HAYOO} \\ & 407.636 .00 \end{aligned}$ | 104.045000 | 416.180 .00 |  | $\begin{aligned} & 0.02 \\ & 0: 02 \end{aligned}$ | 8.544 .00 |
| $6 T 54$ | 345397 TS2400.000 .00 FORD MTR CR CO 100.648000 |  |  |  |  | $\begin{aligned} & \text { GLOBLS } \\ & 410.280 .00 \end{aligned}$ | 0.02 | 7.688.00 |
| 6773 | $3454025 C 1$$2,800,000.00$ FORD MTR CR MTNS B00K ENTRY 99.864000 |  | $3.73202 J U N 03$ TRANCHE TR 00843 2.796.192.00 98.902000 |  | 2.769.256.00 |  | 0.02 0.15 0.13 | -26.936.00 |
| $6 T 73$ | $3454025 E 7$$3,800.000 .00$ FORD MOTOR CREDIT 99.958000 |  | $3.798 .404 .00$ | 97.532000 | 3.706.216.00 |  | 0.13 0.21 0.18 | -92.188.00 |
| $6 T 54$ | $\begin{gathered} 361706142 \quad \text { 66IB } \\ 3: 810,514.80 \\ 5: 000: 000.00 \end{gathered}$ | $\begin{aligned} & \text { FUNDING CORP } \\ & 89.096000 \end{aligned}$ | $\begin{aligned} & 3.430{ }^{7}{ }^{15 \mathrm{JAN} 11} \mathrm{SECD} \text { LEASE OBLIG BD } \\ & 104.855000 \end{aligned}$ |  |  | 3.995.515.29 | 0.22 0.19 | 600.499.02 |
| $6 T 54$ | $\begin{gathered} \text { 36208URP4 } 9 \text { GMAA } \\ 205,778.16 \\ 637,532.00 \end{gathered}$ | POOL $\quad 99.476563^{461394}$ | 7.500 204.701 .04 | 104.751000 |  | 215.554.68 | ${ }_{0}^{0.01}$ | 10.853 .64 |
| $6 T 73$ | $\begin{gathered} 36209 \mathrm{RM26} \\ 283,231.84 M A \\ 643,567.00 \end{gathered}$ | $\begin{aligned} & \text { POOL } 479277 \\ & 103.671875 \end{aligned}$ | $\begin{aligned} & 8.500 \quad 15 \mathrm{APR} 30 \\ & 29.631 .76 \end{aligned}$ | 106.125000 |  | 300.579.79 | 0.02 | 6.948 .03 |
| 6773 | $\begin{gathered} 36209 \mathrm{R} 6 \mathrm{C2} \\ 302.326 .6 \mathrm{NMA} \\ 442.747 .00 \end{gathered}$ | POOL $103.671873^{479767}$ | ${ }_{3 i 3.427 .11}^{8.500}{ }^{15 \mathrm{NO} 30}$ | 106.125000 |  | 320.843.55 | 0.01 0.02 0.02 | 7.416 .44 |
|  |  |  |  |  |  |  |  | STREET |


| $\begin{aligned} & \text { GT1C } \\ & \text { USD } \end{aligned}$ | DC RETÍREMENT BOARD -COMPOSITE ACCOUNT POSITION APPRAISAL |  |  |  |  |  | $\text { AS-OF DATE: PAGE: } 30 \mathrm{~S}_{\mathrm{E}} \frac{126}{}{ }^{\text {POI }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET ID ASSET DESCR | PTION | RATE MATURITY | DATE MKT PRI |  |  |  |
|  | ORIGIMAL FITS LOCAL | UNIT COST ---....... | TOTAL Cost | UNIT PRICE- | MARKET VALUE | $\pm \begin{aligned} & \text { CURR } \\ & \text { FUND }\end{aligned}$ | UNREAL GN/LS UNREAL GN/LS |
| 6T/3 | $\begin{gathered} \text { 36209u甘K8 } \\ 269.022 .33 M A \\ 841.592 .00 \end{gathered}$ | $103.671874^{482250}$ | $\begin{aligned} & 8.500{ }_{278.900 .49}^{15 \mathrm{AU} 330} \end{aligned}$ | 106.125000 | 285,499.95 | 0.02 | 6.599.46 |
| $6 T 54$ | $\begin{aligned} & \text { 36210PLH5 } \\ & \frac{1}{2} .545 .659 .02 \mathrm{MAA} \text { POOL } \\ & 2.094 .458 .00 \end{aligned}$ | 100.4374998 | 1.552.421.27 ${ }^{7}$ (5SEP29 | 104.406000 | 1.613 .760 .76 | 0.01 0.09 0.08 | 61.339 .49 |
| $6 T 54$ | $\begin{gathered} \text { 36210P } 268 \text { GNMA POOL } \\ 410.468 .91 \\ 445.800 .00 \end{gathered}$ | $100.437497^{498575}$ |  | 104.406000 | 428.554 .17 | 0.08 0.02 0.02 | 16.289 .47 |
| $6 T 73$ | $\begin{gathered} 36210 P 403 \\ 471.460 .51 \\ 1.341 .599 .00 \end{gathered}$ | $103.671877^{498620}$ | 8.500 48.771 .96 | 106.125000 | 500.337.47 | 0.02 0.03 0.02 | 11.565 .51 |
| 6773 | $\begin{gathered} \text { 36210REE1 GNMA POOL } \\ 1.0043 .880 .89 \end{gathered}$ | $103.671876^{499735}$ | 8.500 630.360 .14 ${ }^{15 A P R 30}$ | 106.125000 | 645.275 .97 | 0.02 0.04 0.03 | 14.915 .83 |
| 6773 | $\begin{gathered} \text { 36210RRR3 } \\ 665.500 .21 \\ 869.105 .00 \end{gathered}$ | $103.671874^{500096}$ | 8.500 689.936 .54 | 106.125000 | 706.262.10 | 0.03 0.04 0.03 | 16.325.56 |
| 6773 | $\begin{gathered} 36211 \text { TS55 } 7 \text { GMA POOL } \\ 700.675 .69 \\ 1.005 .738 .00 \end{gathered}$ | $103.671876{ }^{52640}$ | 8.500 726.403 .63 | 106.125000 | 743.592.08 | 0.03 0.04 0.04 | 17.188 .45 |
| $6 T 73$ | $\begin{gathered} \text { 36211WR42_ GNMA POOL } \\ 611.768 .84 \\ 989.827 .00 \end{gathered}$ | $103.671874^{525307}$ | $\begin{aligned} & 8.500115 \text { SEP30 } \\ & 634.232 .22 \end{aligned}$ | 106.125000 | 649.239 .68 | 0.04 0.04 0.03 | 15.007 .46 |
| 6773 | $\begin{gathered} 36212 \text { FXL3 } \quad \text { GNMA POOL } \\ 6.341 .812 .00 \\ 6.341 .812 .00 \end{gathered}$ | $100.781250^{532683}$ | $\begin{aligned} & 7.080 \quad 15 S E P 03 \\ & 6.391 .357 .42 \end{aligned}$ | 103.933000 | 6.591 .235 .47 | 0.03 0.37 0.32 | 199.878.05 |
| 73 | $\begin{gathered} 36212 \text { KQLO }{ }_{2} 35.574 \text { GNMA POOL } \\ 1.338 .169 .66 \end{gathered}$ | $103.671876^{536059}$ | $\begin{aligned} & 8.500 \quad 15 \text { HOV } 30 \\ & 244.224 .67 \end{aligned}$ | 106.125000 | 250.003 .61 | 0.01 0.01 | 5.778 .94 |
|  |  |  |  |  |  |  | E Sr EGE |









DC RETIREMENT BOARD -COMPOSITE




| $0^{\text {c }}$ | DC RETIREME NT BOARD-COMPOSITE account position appraisal |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET id asset descripion | rate ${ }^{\text {a }}$ Maturity date mit pric |  |  |  |
|  |  | \%oind cosi | MAREETMETE |  | MWTAA |
| 6773 |  |  | 2.603.484.00 | 0.15 | 13.572 .00 |
| GT54 |  |  | 848.928 .00 | 0:04 | 5.480.00 |
| 6T54 |  |  | 504.020.00 | 0:03 | 9.500 .00 |
| 6754 |  |  | 1.374.730.00 | 0:08 | -23.962.00 |
| 6T54 |  |  | 165.300.00 | 0:01 | 20.900.00 |
|  |  | 698.375.252.00 | 719.032.199.38 | ${ }_{34}^{40} 178$ | 20.656 .947 .38 |



| $0^{\text {c }}$ | DC RETIREHE COTROARD Account position Appaisal |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | ASSET io |  |  |  |  |
|  |  |  | MARET VAIUE | 旡 | Whatich |
| 6773 |  |  | 2.603.484.00 | 0.15 | 13.572.00 |
| 4 |  |  | 848.928.00 | 0:05 | 5.480.00 |
| 6754 |  |  | 504.020.00 | 0:03 | 9.500.00 |
| 6 654 |  |  | 1.374.730.00 | 0:08 | -23.962.00 |
| 6754 |  |  | 165.300.00 | 0:01 | 20.900.00 |
|  | 569:113.513.00 | 698.375.252.00 | 719.032.199.38 | ${ }^{40} 40$ | 20.656.947.38 |


| ${ }_{6 T 15}^{6 T 1}$ | DC RETI REME NT BOARD -COMPOSITE account poisition appraisal |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  | Totatil coss | WWIT Prit Price | MAMET MAEE |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  | 108.844000 | 4.397. 297.60 | 0.25 | 117.553.01 |
| 912810FPB UHITED STATES TREAS BDS | $27.055^{575}, 718.75{ }^{158} 831$ | 99.203000 | 27.578.434.00 | ${ }_{1}^{1.53}$ | 552.715 .25 |
|  |  | 112.516000 | 168.774.00 | 0:01 | 7.941.61 |
|  |  |  |  |  | 92,815.00 |
|  |  | 110.437000 | 1.766.992.00 | 0:10 | 150. |
|  |  |  |  |  |  |
| 672 |  | 103.719000 | 2.489 .256 .00 | 0.14 | 106 |
| $6 T 2$ |  | INFLATIONIMDEX | 9.809.913.92 | 0.55 | 229.342.37 |

## STATE STREET.

## DC RETTREMENT BOARD-COMPOSIT <br> 



| ${ }_{\text {UTIT }}^{60}$ | DC RETIREMERT BOARD-COMPOSITE Account positiow appraisal |  |  | AS-OF DATE: ${ }_{\text {PAGE }} \mathbf{3 0 5 E F P O 1}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  |  | Topil cosi | MARKET YALE | \% | UNEAK |
| 6754 | ${ }^{902917.246}{ }_{2}^{250.000}$. USO MASTE SVCS ${ }_{77}$ INC 783000 | $\begin{array}{ll} 1.750000111 .500 L 28 & 91.936000 \end{array}$ | 2.068.560.00 | 8:12 | 318.442.50 |
| 6T5 |  |  | 164.865.60 | 8.01 | 5.649.60 |
| 6754 | ${ }^{904754 A E 7} 1.600 .000$. UHILEVER CORP ${ }_{104.695000}$ |  | 1.695.888.00 | 0.09 | 20.768.00 |
| 6т54 | ${ }^{9078188807}{ }_{2.000 .000 .000}^{\text {UHION PAC CORP }}{ }_{96.281000}$ |  | 2,121.900.00 | 0.12 | 196.280.00 |
| 54 |  | ${ }_{25.842 .500620}^{1.5060}$ | 33,962.00 | 0.00 | 8.120 .00 |
| gi54 |  | 1.754.753.560 ${ }^{\text {1510V21 }} \quad 31.402000$ | 2.022.288.80 | 8.11 | 267.535.74 |
| 54 |  | 1.235.092.150 ${ }^{15002727035}{ }_{22.572000}$ | 1.248.231.60 | 0.07 | 13.139.50 |
| 6772 | ${ }^{912810081} 1.300 .000$. UnITED STATES 123 TREAS BDS | 1.599.4906.25 ${ }^{15150 v 12 ~} 132.094000$ | 1.717.222.00 | 8:080 | 117.815.75 |
| 6T54 |  |  | 68.915.40 | 0:00 | -2.704.91 |
| 6772 |  |  | 599.530.00 | 80.03 | 57.147.19 |
|  |  |  |  | FATE | REET: |



|  | DC RETTREMENTODOARD -COMPOSITE <br>  |  |  |  | AS-OF DATEA ${ }^{\text {PAGE }} 3$ SEPO1 ${ }^{1}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (ВСААЕ) | Total cosi |  |  | UWRAL |  |  |
| ** australian dolur Cash <br> 327. 454.23 | 327.454.23 | 327.454 .23161.599 .49 | 1.760.01 |  | ExChange | 2.026332 |
|  |  |  |  | 0.00 |  | 0.00 |
|  |  |  |  | 0.00 | $-8.789 .49$ | 8.789.49 |
| Equities |  |  |  |  |  |  |
| 1.512.430.000 | 15.704.298.18 | 18.254.266.51 | 98.24 | 2.549 .968 .33 |  | 2.549.968.3 |
| - 1.512 .40 | 9.680.907.00 | 9.008.526.98 | 0.44 | 1.258.415.86 | -1.930.795.88 | -672.380.02 |
| ALS FOR Australian dolar |  |  |  |  |  |  |
| ${ }^{139.884 .23}$ | 16.031.752.41 | 18.581.720.74 | 100.00 | 2.549.968.33 |  | 2.549 .968 .33 -681.169 .51 |
|  | 9,851.295.98 | $\underline{\underline{\text { 9.170.126.47 }}}$ | $\stackrel{0.45}{ }$ | $\underline{1.258,415.86}$ | $\underline{-1,939.565 .37}$ |  |

## STATE STREET.

| ${ }_{\text {cisic }}^{\text {GTIC }}$ | DC RETIREMENT BOARD -COMPOSITE Accouvir ponioisite ipraisal |  |  |  | AS-OF DATE ${ }^{\text {PAEEE }}$ 305EPOI ${ }^{2}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (basel ) | ${ }_{\text {ToTAL }}^{\text {cosil }}$ cost | HAREET MALLE |  | Mak | Curr $\operatorname{cos/L}$ |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| -60.450.31 | -60.450.31 | -60.450.31 | -2.26 | 0.00 |  | 0.00 97.32 |
|  | -38.364.04 | -38.266.72 | 0.00 | 0.00 | 97.32 |  |
| Eourties |  |  |  |  |  |  |
| 123.300.000 | ${ }^{3.636 .827 .94}$ | 2.739.956.00 | 102.26 0.08 | -896.871 .94 -567.744 .67 |  | $-896,871.94$ $-706,852.53$ |
|  | 2.441.320.26 | 1.734.467.73 | 0.08 | -567.744.67 | -139.107.86 |  |
| TOTALS FOR CAMADIAN DOLLAR |  |  |  |  |  |  |
| 62,849.69 | 3.576.377.63 | 2.679.505.69 | 100.00 | -896.871.94 |  | -896.871 .94 -706.755 .21 |
|  | $\underline{\text { 2.402.956.22 }}$ | 1.696.201.01 | $\underline{0.08}$ | $\underline{-567.744 .67}$ | $\underline{-139.010 .54}$ |  |

STATE STREET



| ${ }_{\text {ciso }}^{\text {GTIC }}$ | DC RETIREMENT BOARD－COMPOSITE ACCOUNT POSITION APPRAISALCURRENCY SUMMARY |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| （LBCAL）URITS OLIMAL FACE | ToTAL cost | MARKET YALEE | Curr | （ink | L－．．．．．．．．．． | U⿴囗 |
|  |  |  |  |  |  | －395．353．62 |
| 784．765．00 | $8.301 .350 .00$ $8,346,388.82$ | $\begin{aligned} & 7.905 .996 .38 \\ & 7.200 .052 .80 \end{aligned}$ | $\begin{aligned} & 6.93 \\ & 0.35 \end{aligned}$ | $\begin{aligned} & -395,353.62 \\ & -360,051.64 \\ & \hline \end{aligned}$ | －786，284．38 | $\underline{-1,146.336 .02}$ |
| 》 FinlandEQutiles－－ |  |  |  |  |  |  |
| 158，965．000 | 5．550．849．88 | $2.970 .901 .75$ | $2.60$ | $\begin{aligned} & -2.579 .948 .13 \\ & -2.349 .578 .96 \end{aligned}$ | 59，312．30 | －2．290．266．66 |
| TTTALS FOR RIMLAND |  |  |  |  |  |  |
| 158．965．00 | 5．550．849．88 | 2．970．901．75 | 2.60 | －2．579．948．13 | 59．312．30 | $-2.290 .266 .66$ |
|  | 4．995．890．14 | 2．705．623．48 | $\stackrel{0.13}{ }$ | $\underline{-2,349.578 .96}$ | － |  |
| 》 FRANCEEQuTITES |  |  |  |  |  |  |
| 686．012．000 | 35．064．087．49 | 32．281．669．56 | ${ }^{28.30}$ | ${ }^{-2.782 .417 .93}$ | －3．837．170．59 | －6，371．140．38 |
|  | 35．770．309．61 | 9．399．169．23 | 1.42 | －2．533．969．79 | －3．837．170．59 |  |
| TTTALS FOR FRANCE |  |  |  |  |  |  |
| 686.012 .00 | 35．064．087．49 | 32．281．669．56 | ${ }^{28.30}$ | -2.782 .417 .93 -2.533 .969 .79 | $-3.837 .170 .59$ | －6．371．140．38 |
|  | 35．770．309．61 | 29，399．169．23 | $\underline{1.42}$ | $\underline{-2.533 .969 .79}$ | －3．03．170．59 |  |
| ＞＞GREECE <br> EQUITIES <br> 5，853．03 |  |  |  |  |  |  |
| 7．500．000 | 127．496．97 | 133.350 .00 |  | 5.853. | S ${ }^{4}$ |  |
|  | 116．307．08 | 121．442．89 | 0.01 |  | 變 ${ }^{\text {momin }}$ | mas mame |



| ${ }_{\text {Usi }}^{\text {UTIC }}$ | DC RETIREME MT BOARR -COMPOSITE <br>  |  |  |  | AS-OF DATE: ${ }^{\text {PAGE }}$ OLS ${ }_{\text {E }}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (BCASE) | ToTAL cost | MARET MALE | \% | UWRAL SEC G/I'L |  |  |
| TOTALS FOR METHERLANDS |  |  |  |  |  |  |
| 1.536.487.00 | $39.957 .712 .17$ $39.934 .386 .94$ | 38.979 .787 .21 <br> 35.499 .197 .41 | $\begin{gathered} 34.17 \\ 1.72 \end{gathered}$ | $\begin{aligned} & \text {-977.924.96 } \end{aligned}$ | $\underline{-3.544 .585 .61}$ | $\underline{-4.435 .189 .53}$ |
| >> PORTUGAL <br> EQUITIES |  |  |  |  |  |  |
| 20.910.000 | 246.923 .26 222.095.04 | 166.861 .80 151.962.35 | $\begin{aligned} & 0.15 \\ & 0.01 \end{aligned}$ | -80.061 .46 -72.912 .60 | 2.779 .91 | $-70.132 .69$ |
| TOTALS FOR PORTUGAL |  |  |  |  |  |  |
| 20.910.00 | 246.923.26 | 166.861.80 | 0.15 | -80.061.46 |  | -80.061 .46 -70.132 .69 |
|  | $\underline{\text { 222.095.04 }}$ | 151.962.35 | $\bigcirc$ | $\underline{-72.912 .60}$ | 2.779.91 |  |
| >) AUSTRIA <br> FIXED INCOME |  |  |  |  |  |  |
| 600.000.00 | ${ }_{616.312 .63}$ | 624.000.00 | 0.55 | 7.687.37 | 20.435.49 | 7.687 .37 27.436 .44 |
|  | 540.845.25 | 568.281.69 | 0.03 | 7.000.95 | 20,435.4 |  |
| totals for austria |  |  |  |  |  |  |
| 600.000.00 | 616.312.63 | 624.000.00 | 0.55 | 7.687.37 | 20.435.49 | 27.43 |
|  | 540,845.25 | 568.281.69 | $\stackrel{0.03}{ }$ |  | $\underline{ }$ |  |
| 》) Gerhant FIXED IMCOME |  |  |  |  |  |  |
| 1.650.000.00 | 1.675.942.21 | 1.695.790.00 | 1.49 | 19.847. | S\% |  |
|  | 1.490 .243 .81 | 1.544.369.23 | 0.07 | 18.075. |  |  |


| ${ }_{\text {UTS }}^{\text {GT1C }}$ | DC RETTREHEMT BOARD - COMPOSTTE ACCOUHT POSHITITHAPPRRASAL |  |  |  |  | AS-OF DATE: ${ }^{\text {PAGE }}$ 305EPOİ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (\%öi) Mitis | Topat cosi |  |  |  | WREAL CURR GN/LS | Total wreai dits |
| TTALS FOR GERMANY |  |  |  |  |  |  |
| 1.650.000.00 | 1.675.942.21 | 1.695.790.00 | 1.49 | 19.847 .79 |  | 19.847.79 |
|  | 1.490.243.81 | 1.544.369.23 | $\stackrel{0.07}{ }$ | 188075.54 | 36.049.88 | 54.125.42 |
| 3) INTERNATIONAL FIXED INCOME |  |  |  |  |  |  |
| 1.931.000.00 | 1.941.645.25 | 2.083,686.55 | 1.83 | 142.041.30 |  | 142.041.30 |
| - International |  |  |  |  |  |  |
| 000.00 | 1.941.645.25 | 2.083.686.55 | 1.83 | 142.041.30 |  | 142.041.30 |
|  | 1.771.950.22 | 1.897.629.65 | 0.09 | $\underline{129.358 .12}$ | -3.678.69 | 125,679.43 |
| EURO CURREMCY |  |  |  |  |  |  |
| .41.049.60 | 123.869.165.51 | 114.063.443.11 | 100.00 | -9.805.722.40 |  | -9.805.722.40 |
|  | $\underline{\text { 123.256,213.28 }}$ | $\underline{\text { 103.878.470.73 }}$ | 5.02 | $\underline{-8,930.148 .17}$ | $\underline{-10.447 .594 .38}$ | -19,377.742.55 |



## STATE STREET.





[^2]

| ${ }_{\text {GTIL }}^{\text {Gic }}$ | DC RETIREMENT BOARD -COMPOSITE <br>  |  |  |  | AS-OF DATE: ${ }^{\text {PAGE }}$ 30SEP 15015 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (CACSE) URITITSAL FACE | Total cosit | MARET MALUE | x cura | (ex | URR GN/LS | Hent |
|  |  |  |  |  | exchange | 8.869565 |
| * horagian krowe ** EQuTtTES |  |  |  |  |  | -911.064.58 |
| 58.200.000 | $\begin{array}{r} 6.316 .964 .58 \\ 691.602 .77 \end{array}$ | $\begin{array}{r} 5.405 .900 .00 \\ 609.488 .74 \end{array}$ | $\begin{array}{r} 100.00 \\ 0.03 \end{array}$ | $-102.718 .07$ | 20.604.04 | -82.114.03 |
| TOTALS FOR Moriegian krone |  |  |  |  |  | -911.064.58 |
| 58.200 .00 | 6.316 .964 .58 691.602 .77 | $\begin{array}{r} 5,405,900.00 \\ 609,488.74 \end{array}$ | 0.03 | $\underline{-102.718 .07}$ | $\underline{20.604 .04}$ | $\underline{-82.114 .03}$ |





| * thailand baht ** EXCHANGE RATE 44.48003 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
| 377.74 |  | 377.74 | 100.00 | 0.00 |  | 0.00 |
|  | 9.76 | 8.49 | 0.00 | 0.00 | 27 | -1.27 |
| TOTALS EOR THALAMD BAMT 0.00 |  |  |  |  |  |  |
| 377.74 | 377.74 | 377.74 | 100.00 | 0.00 |  | 0.00 |
|  | 9.76 | 8.49 | 0.00 | 0.00 | $\underline{-1.27}$ | -1.27 |




| ${ }_{\text {UTIS }}^{\text {UTIC }}$ | DC RETTREMENT ROARD - COMPOSITE <br>  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| сURRENCY -......................total cost | MAREET VALUE | Ifuwd | UWREAL SEC GNIS | 6N/is | TOTAL UWREAL GN/LS |
| CASH EDUUYALENTS |  |  |  |  |  |
| US DOLLAR 234.092.386.56 | 234.092.386.56 | 11.32 | 0.00 | 0.00 | 0.00 |
| TOTALS For cash Eguivalents |  |  |  |  |  |
| $\underline{ } 234.092 .386 .56$ | $\underline{\text { 234,092.386.56 }}$ | $\underline{11.32}$ | 0.00 | 0.00 | 0.00 |


| ${ }_{\text {Usic }}^{\text {GTIC }}$ | DC RETIREMENT BOARD－COMPOSITE <br>  |  |  |  |  | AS－OF DATE：${ }^{\text {PAGEE }}$ 30SEPO ${ }^{\text {a }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CURRENCY | total cost | MARKET VALUE | Fund | EAL SEC | Ait curr | UWREAL GN／LS |
| Eourties |  |  |  |  |  |  |
| aústriulinan dollar | 9．680．907．00 | 9．008．526．98 | 0.44 | 1．258．415．86 | －1．930．795．88 | －672．380．02 |
| Candodan dollar | 2．441．320．26 | 1．734．467．73 | 0.08 | －567．744．67 | ${ }^{-139,107.86}$ | －706．852．53 |
| SWISS FRAMC | 26．326．440．09 | 32．008．392．92 | 1.55 | 7．470．189．26 | －1．788． 236.43 | 5．681．952．83 -302.530 .76 |
| danish krone <br>  | ．417．107．61 | 1．114．576．85 | 0.05 | －154．731．84 | －147．798．92 |  |
|  | 21．109．144．22 | 14．482，888．63 | 0.70 | －4．976，677．03 | ．649．578．56 | －6．626．255． 59 |
|  | 8．346．388．82 | 7．200．052．80 | 0.35 | －360．051．64 | 786，284． | 146，336．02 |
| $\xrightarrow{\text { SUVPO CUREREVCY }}$ | 4．995，890．14 | 2，705，623．48 | 0.13 | －2．349．578．96 | 30 | －2．290．266．6 |
|  <br>  | 309 | 29．399．169．23 | 1.42 | －2．533．969．79 | －3．837，170．59 | －6，371．140．38 |
|  | 116．307．08 | 121．442．89 | 0.01 | 5．330．40 | －194．59 | 5．135．81 |
|  | 1．096，667．44 | 1．074．555．55 | 0.05 | －43，067．44 | 20.955. | 22.11 |
|  | 791．692 | 9．163．686．41 | 0.44 | 2．136，948．20 | －764．954．72 | 1．371．993．48 |
|  | 30，944，386．94 | 35．499．197．41 | 1.72 | －890．603．92 | －3．544．585．61 | －4．435．189．53 |
|  | 39．94， | 151．962．35 | 0.01 | －72．912．60 | 2．779．91 | －70．132．69 |
| POUND STERLING | ${ }_{119.382 .882 .22}^{22,095}$ | 99．798．578．75 | 4.83 | －9．084．582．78 | －10．499．720．69 | －19．584． 303.47 |
|  | 74．681．099．44 | 72，773．677．72 | 5 | 834．139．79 | －2．741．561．51 | －1，907．421．72 |
| hong kong dollar | 11．311．933．28 | 7．796．641．13 | 0.38 | －3．498．134．19 | ${ }^{-17.157 .96}$ | －3．515．292．15 |
| JapANESE YEM moruegian krone | 70．353．410．35 | 45．492．599．09 | 2.20 | －19．865．402．32 | 4，4．995．409．05 | －24．860．811．26 |
|  | 691．602．77 | 609.488 .74 | 0.03 | -102.718 .9 ¢ | 綌20．604．04 | ． 114.03 |
| SWEDISH KROMA stigapore dollar | 9．239．920．71 | 5．181．270．78 | 0.25 | －2．730．006．979\％ | 輬． 328.6 | 058， |
|  | 3．609．117．39 | 2．725．859．99 | ． 13 | －564．188．2 | 綧 | asms zemisme |


| ${ }_{\text {Usid }}^{\text {¢ }}$ | DC RETIREMENT BOARD－COMPOSITE <br>  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| currency | total cost | market value | \％FUWD |  | EAL Curk ondis | Totiluweat ght |
| us doliar | 794．776．241．65 | 829．351．635．78 | 40. | 34．575，394．13 | 0.00 | 575．394 |
| Totals for eourties | $\underline{\text { 1．123．911．982．77 }}$ | $\underline{\text { 1．107．595．716．46 }}$ | $\underline{53.56}$ | $\underline{7.570 .630 .10}$ | $\underline{-23.886 .896 .41}$ | $\underline{-16,316.266 .31}$ |




| $\underbrace{\text { GT1C }}_{\text {U50 }}$ | DC RETI REMENT BOARD -COMPOSITE <br>  |  |  |  |  | $\text { AS-OF DATE: }{ }^{\text {PAGESEPPO1 }}{ }^{1}$ <br>  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | total cost | MARKET ${ }^{\text {ajaiue }}$ | \% ${ }^{\text {Fund }}$ |  |  |  |
| ASSH |  |  |  |  |  |  |
| $-237.513 .940 .22$ CASH EQUIVALENTS | 5.440.198.34 | 5.439.626.32 | 0.26 | 0.00 | -572.02 | -572.02 |
| $\begin{aligned} & \text { 234.092.386.56 } \\ & \text { EQuItIES } \end{aligned}$ | 234.092.386.56 | 234.092.386.56 | 11.32 | 0.00 | 0.00 | 0.00 |
| $\begin{aligned} & 149.601 .365 .450 \\ & \text { FIXED ITCOME } \end{aligned}$ | 1.123.911.982.77 | 1.107.595.716.46 | 53.56 | 7.570.630.10 | $-23.886 .896 .41$ | -16.316.266.31 |
| 2. ${ }_{511} 09.7138 .501 .51 .67$ FIXED IMCOME SHORT | 795.309.902.18 | 790.034.848.14 | 38.21 | -5.327.860.73 | 52,806.69 | -5.275.054.04 |
| $-2.196 .080: 000: 00$ | -93.872.179.93 | -69.388.207.69 | -3.36 | 24.513.024.90 | -29.052.66 | 24.483.972.24 |
| .- fund total -- <br>  | 2.064.882.-289.92---- | 2.067.774.369.7.------ | $\begin{aligned} & 100.00 \\ & \ldots \ldots . \end{aligned}$ |  | -23.863.714.40 | 2.892.079.87 |
| RUN DATE - 110 ctoi |  |  |  |  |  | STREET <br>  |



## Exhibit F

Total Fund Performance vs
Total Fund Benchmark
The District of Columbia Retirement Board
Total Fund Performance


## Exhibit $\mathbf{G}$

Auditor's Opinions and Financial Statements

DISTRICT OF COLUMBIA TEACHERS' RETIREMENT FUND

Financial Statements and Schedules
September 30, 2001 and 2000
(With Independent Auditors' Report Thereon)

## DISTRICT OF COLUMBIA

 TEACHERS' RETIREMENT FUNDTable of Contents

Independent Auditors' Report
Statements of Net Assets
Statements of Changes in Net Assets
Notes to Financial Statements
Supplementary Information
Schedule 1 -Employer Contributions
Schedule 2 -Actuarial Methods and Assumptions
Schedule 2 -Actuarial Methods and Assumptions
Schedule 3 -Revenue by Source and Expenses by Type
$\begin{array}{ll}\text { Schedule 3-Revenue by Source and Expenses by Type } & 17 \\ \text { Schedule 4-Investment Information } & 18\end{array}$
Schedule 5-5\% Reportable Series of Transactions

2001 M Street, N.W.
Washington, D.C. 20036

## Independent Auditors' Report

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, 2001 and 2000, 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 include assessing the accounting principles used and significant estimates made by management as well a valuating 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 financial activity of the Fund and are not intended to present the financial position and results of operations of the District taken as a whole.

In our opinion, the financial statements referred to above present fairly, in all material respects, the ne assets of the District of Columbia Teachers' Retirement Fund as of September 30, 2001 and 2000, 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 is not a required part of the financial statements, but is supplementary information required by the Governmental Accounting Standards Board. We have applied o schedules 1 and 2 certain limited procedures prescribed by professional standards, 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

KPMG LIP

December 28, 2001

## DISTRICT OF COLUMBIA

 TEACHERS' RETIREMENT FUNDStatements of Net Assets
September 30, 2001 and 2000
(Dollars in thousands)

Assets
Equity in pooled investments under Master Trust Agreement at fair value (note 4)
ccrued interest receivable
Benefit contributions receivable
Due from District of Columbia Government
Total assets
Liabilities
Liabilities under securities lending agreement
Accounts Payable - investment expense
Due to Federal Government
Due to District of Columbia Government
Total liabilities
Net Assets Held in Trust for Pension Benefits

| 2001 |  | 2000 |
| :---: | :---: | :---: |
| \$ | 825,606 | 912,709 |
|  | 3,581 | 3,875 |
|  | 1,349 | 1,300 |
|  | - | 1,018 |
|  | 830,536 | 918,902 |
|  | 48,036 | 54,164 |
|  | 571 | 673 |
|  | 2,600 | 1,600 |
|  | 575 | - |
|  | 51,782 | 56,437 |
| \$ | 778,754 | 862,465 |

See accompanying notes to financial statements

## DISTRICT OF COLUMBIA

## TEACHERS' RETIREMENT FUND

Statements of Changes in Net Assets
Years ended September 30, 2001 and 2000
(Dollars in thousands)

Additions
Contributions:
District government
District employees
Total contributions
Investment income:
Net appreciation (depreciation) in fair value of investments Interest and dividends

## Less:

Investment expenses
Interest expense on securities lending transactions
Net investment income (loss)
Total additions

## Deductions:

Benefit payments
Administrative expenses
Total deductions
Net (decrease) increase in net assets
Net assets held in trust for pension benefits:
Beginning of year
End of year

## DISTRICT OF COLUMBIA

## TEACHERS' RETIREMENT FUND

Notes to Financial Statements
September 30, 2001 and 2000
(Dollars in thousands)

## (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 Columbia Retirement Reform Act (the Reform Act, Pub. L. 96-12e by the Board of Education, including provides assets to pay pension benefits to all teachers employed certain eligible educational employees in certain other educational employees intrict of Columbia. The Reform Act also established the District of Columbia Retirement Board (the Board) and the District of Columbia Police Officers and Fire Fighters' Retirement Fund (the Police and Fire Fund)

The National Capital Revitalization and Self-Government Improvement Act of 1997 (the Revitalization Act, Title XI of the Balanced Budget Act of 1997, Pub. L. 105-33 the District of Columbia Judges Retirement Fund to the United States Federal Government (the Federal Government). The Revitalization Act also transferred significant assets and liabilities of the Fund and the Police Officers and Fire Fighters Retirement Fund (collectively, the District Retirement 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 retiremen benefits for employee service credit earned prior to July 1, 1997, by participants of the District Retiremen Funds. The assets transferred to the Federal Government and the assets of the District Retirement Fund managed by the Retirement Board are components of the same single employer defined benefit pension plans.
As required by the Retirement Protection Act, the Council of the District of Columbia (the Council) enacted the Police Officers, Fire Fighters, 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 provided after June 30, 1997, an 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 esponsible 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 members of that Fund and certain administrative expenses
The Fund is included in the District's Comprehensive Annual Financial Report as a pension trust fund.

## DISTRICT OF COLUMBIA

## TEACHERS' RETIREMENT FUND

Notes to Financial Statements
September 30, 2001 and 2000
(Dollars in thousands)

## (2) Fund Administration and Description

(a) 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 by the active and retired participants. Included are one active and one retired representative each from the police officers, firefighters, and teachers. The six employee representatives are elected by their respective groups of active and retired employees.
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, Fiduciary, Investment, Legislative, Operations, and Minority Participation. To implement its policies, the Board retains the executive director and other taff to be responsible for the day-to-day management of the District Retirement Funds.
(b) Other Administration

The District Board of Education makes findings of fact, conclusions of law, and decisions regarding The luntary retirement survivor benefits and annual medical and income reviews. The Office of Pay involuntary retirement, survivor benefits and annual medical and income reviows . Ond Systems, Office and Retirement Services (OPRS) within the D.C. Office of Financial Operations and calculations for all active plan members found eligible for retirement and carries out the day-to-day processing of retirement benefits. OPRS also processes employee requests for refunds of contributions.

## DISTRICT OF COLUMBIA <br> TEACHERS' RETIREMENT FUND

Notes to Financial Statements
September 30, 2001 and 2000
(Dollars in thousands)
(c) Eligibility

Permanent, temporary and probationary teachers and certain other employees of the District of Pelmanent, temporary and probationary teachers and certain of Columbia public day schools become members automatically on their date of emplomits. not covered.

Title 38, Chapter 20 of the D.C Official Code (D.C. Code § 38-2001.01 et seq. (2001 Ed.)) 3lit November 16 1996, the mitiplied 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 addin average salary, as defined, mul nefit iny exceed 3\% for participants hired on or after November 16, 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
 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 16, 1996.

Employees who are involuntarily separated other than for cause and who have five years of school .號 of 55 .

## DISTRICT OF COLUMBIA

## TEACHERS' RETIREMENT FUND

Notes to Financial Statements
September 30, 2001 and 2000
(Dollars in thousands)
(d) Participant Data

For the years ended September 30, 2001 and 2000 the number of participating employees was as follows:

| $\mathbf{2 0 0 1}$ |  |  |
| ---: | ---: | ---: |
|  |  | $\mathbf{2 0 0 0}$ |
|  |  |  |
| 5,098 |  |  |
| 25 |  | 4,976 |
| 4,663 |  | 4,943 |
| 1,383 |  | 1,198 |
| 11,169 |  | 11,142 |

(e) Contributions

Fund members contribute by salary deductions at rates established by D.C. Code. Members contribute $7 \%$ (or $8 \%$ for teachers hired on or after November 16, 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 employees through annual contributions at actuarially determined amounts in accordance with we
provisions of the Replacement Act. The District contributions for fiscal years 2001 and 2000 were provisions of the Replacement Act. The District contribution
equal to the Fund's independent actuary's recommendation.

Contribution requirements of the Fund members are established at D.C. Code $\S 38-2001.01$ 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.
(3) Summary of Significant Accounting Policies

## (a) 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.

## DISTRICT OF COLUMBIA

## TEACHERS' RETIREMENT FUND

## Notes to Financial Statements

September 30, 2001 and 2000
(Dollars in thousands)

## (b) 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. Short-term 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.
(c) Actuarial Data

The Fund uses the Aggregate Actuarial Cost method to determine the annual 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.

## (d) 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 reported amounts of assets, liabilities, additions and deductions to net assets held in trust fer pension during the reporting period. Actual results could differ from those estimates.
(e) 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 $\$ 1,908$ and $\$ 1,720$ in 2001 and 2000, respectively.

## (4) Investment

The Board is authorized to manage and control the investment of the District Retirement Funds' assets. The Board broadly diversifi manage and control the invest The Board broadly diversifies the investments of the District Retirement 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 $\S 1-741(a)(2)(C)$. The District Retirement Funds are authorized to be invested in a variety of investments including fixed income, equity securities and other types of investments. As prescribed in D.C. Code § 1-907.01 ( 2001 Ed.), the Board shall not invest in debt instruments of the District, the Commonwealth of Virginia or State of Maryland governments, political subdivisions thereof, or any entity subject to control by them; debt instruments fully guaranteed by those governm
jurisdictions; or debt instruments secured by real property in those jurisdictions.

## DISTRICT OF COLUMBIA <br> \section*{TEACHERS' RETIREMENT FUND}

Notes to Financial Statements
September 30, 2001 and 2000
(Dollars in thousands)
(a) 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 Retirement 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, 2001 and 2000 are as follows:

## Investments categorized (A)

nvestments - held by Board's agent in Board's name: Cash and cash equivalents
Equities (of which $\$ 0$ and $\$ 839$ in 2001 and 2000, respectively is on securities loan with securities and other collateral)
Fixed income securities (of which $\$ 9,381$ and $\$ 1,347$ in 2001 and 2000 , respectively, is on securities loan with securities and other collateral)
Payable on investment transactions
Subtotal

## Investments not categorized (B)

Real estate
Investment held by broker-dealer under securities loans with cash collatera

Equities
Fixed income security
Securities lending collective investment poo
Subtotal
Total
$\qquad$
\$ 472,435 309,719
$1,063,641 \quad 1,277,699$

645,862 682,162 $\frac{(422,100)}{1,759,838} \frac{(356,256)}{1,913,324}$ 1,759,838 1,913,324
$\qquad$
A) All categorized investment are Category 1 risk
(B) These investment are not categorized because they are not evidenced by securities that exist in physical or book entry form.

## DISTRICT OF COLUMBIA

## TEACHERS' RETIREMENT FUND

Notes to Financial Statements<br>September 30, 2001 and 2000

(Dollars in thousands)

Investments are categorized by level of custodial credit risk (the risk that a counterparty to an nvestment transaction will not fulfill its obligations). Category 1 , the lowest risk, includes nvestments that are insured or registered or for which the securities are held by the entity or its agent in the entity's name. Category 2 includes uninsured and unregistered investments for which the securities are held by the counterparty's trust department or agent in the entity's name. Category 3 , the highest risk, includes uninsured and unregistered investments for which the securities are held by the counterparty, or by its trust department or agent, but not in the entity's name.

At September 30, 2001, the Fund's share of the Investment Pool was $\$ 829,187$, including cash collateral of $\$ 48,036$ and accrued interest receivable. At September 30, 2000, the Fund's share of the Investment Pool was $\$ 916,584$, including cash collateral of $\$ 54,162$ and accrued interest receivable.

## (b) Securities Lending Transactions

District statutes and the Board's policies permit the District Retirement Funds to participate in ecurities 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 form of loan agreement

During 2001 and 2000, the master custodian, at the direction of the Board, lent the District etirement 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 State erment the sovereign debt of Organization of Economic Cooperation and Developmen untries and irrevocable letters of credit issued by a bank insured by the FDIC. The collateral could t be pledged or sold unless the borower defaulted on the loan. Borrowers delivered collateral fo ch pan equal to (i) at least $102 \%$ of the market value of the loaned securities if these securitie are aring market was located in the United States; or (ii) $105 \%$ of the market value of the loane curities in the as of dollars or whose primary tading 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 ther qualified tax he Quality Fund dos not meet the requirements of rule 2a-7 of the Investment Company Act of 940 the master custodin 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 maste custodian, and consequently the investment vehicles it sponsors (including the Quality Fund), are ubject 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.

## DISTRICT OF COLUMBIA

## TEACHERS' RETIREMENT FUND

## Notes to Financial Statements

September 30, 2001 and 2000
(Dollars in thousands)

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 2001 or 2000 .
The average duration of the investment pool as of September 30, 2001 and 2000 was 74 days, and the average weighted maturity was 193 and 161 days, respectively. Because the loans were terminable at will, their duration did not generally match the duration of the investments made with cash collateral.
During 2001 and 2000, the Board did not restrict the amount of the loans that the master custodian During 2001 and 2000, 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 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 maste custrodian during 2001 and 2000 .
chere

On September 30,2001 and 2000, the Board had no credit risk exposure to borrowers. The collateral held and the market value of securities on loan for the Board were $\$ 125,382$ and $\$ 122,402$, respectively, as of September 30, 2001, and $\$ 131,387$ and $\$ 127,207$, respectively as of September 30, 2000. During 2001 and 2000, the Master Trust's gross earnings from securitie ending transactions totaled $\$ 9,433$ and $\$ 10,137$, 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 $\$ 7,807, \$ 1,500$, and $\$ 9,306$, respectively, in 2001, and in net assets resulting from operations totaled $\$ 7,807, \$ 1,500$, and $\$ 9,306$, respectively, in 2001 , and lending transactions totaled $\$ 315$ and $\$ 214$ in 2001 and 2000, respectively.

## (c) Derivative Investment

Derivatives are generally defined as contracts whose value depends on, or derives from, the value of n underlying asset, reference rate, or index. Structured financial instruments are also defined as erivatives, such as mortgage-backed securities, asset-backed 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 reditworthiness 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 interes rates, currency exchange rates, or a change in the price or principal value of a security. The Board elieves that all contracts entered into are legally permissible in accordance with the policy of the Board.

During 2001 and 2000, 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 potentia osses. These derivatives included asset-backed securities (ABS), collateralized mortgage-backe ecurities (CMOs), mortgage-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.

## DISTRICT OF COLUMBIA

 TEACHERS' RETIREMENT FUND
## Notes to Financial Statement <br> $$
\text { September } 30,2001 \text { and } 2000
$$

(Dollars in thousands)

The Retirement Funds used $\mathrm{ABS}, \mathrm{CMOs}$, mortgage-backed pools and securities, floating rate notes, structured notes, stripped/zero coupon bonds, and TBAs primarily to increase potential returns. ABS and mortgage-backed 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 mortgage-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 extent of thecurities which pay an inters A downward the extent of the movement of the underlying index in relation to market rates. A downwa解解 interest rates.

The Retirement Funds invests in structured notes with step-up coupons that offer higher yields than omparable U.S. Treasury Notes in exchange for higher market and/or credit risks. Securities with and then step-up to higher rates on specific dates. The Retirement Funds also contains 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 imilar 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 mortgagebacked 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 marke 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 organize exchanges.

## DISTRICT OF COLUMBIA

## IEACHERS' RETIREMENT FUND

Notes to Financial Statements
September 30, 2001 and 2000
(Dollars in thousands)

Equity index futures are 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 Warrants are often distributed by issuers to holdings of common stock and bonds, and are held for 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 mutual 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, 2001 and 2000:

Mortgage backed security pools and securities Collateralized mortgaged obligations Asset backed securities
Asset backed secur
Mortgage backed securities forward contract Inflation index bonds
Structured notes (including stripped securities)
Structured notes (including stripped securities) Stock performance index futures fund
Options
Total

|  | 2001 | 2000 |
| :---: | :---: | :---: |
| \$ | 45,123 | 31,023 |
|  | 21,672 | 11,455 |
|  | 71,872 | 56,069 |
|  | - | 11,581 |
|  | 203,982 | 293,451 |
|  | - | 29,954 |
|  | 3,377 | 15,183 |
|  | - | $(6,528)$ |
|  | 85,270 | 18,345 |
|  | - | $(2,754)$ |
| \$ | 431,296 | 457,779 |

## DISTRICT OF COLUMBIA TEACHERS' RETLREMENT FUND <br> Schedule of Employer Contributions <br> (Unaudited) <br> (Dollars in thousands)

Fiscal year ended September 30:
2001
2000
1999
1998

Annual
required contribution

## 100\%

 $100 \%$$100 \%$ $100 \%$
$100 \%$

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 valuations follows.

Valuation date
Actuarial cost method
October 1, 1999

Amortization method
Aggregate
Remaining amortization period
Not applicable

Asset valuation method
Not applicable
Actuarial assumptions:
Investment rate of return $\quad 7.25 \%$
Projected salary increase $\quad 5.3 \%-8.8 \%$

Includes inflation at
$5.3 \%-8.8 \%$
Cost-of-living adjustments (COLAs)
7.25\%
(1) Post-1996 hires have COLAs capped at $3.00 \%$
$5 \%^{(1)}$
The aggregate actuarial cost method does not identify or separately amortize unfunded actuarial liabilities.

DISTRICT OF COLUMBIA
TEACHERS' RETIREMENT FUN
Schedule of Revenue by Source and Expenses by Type
Last Ten Fiscal Year
(Unaudited)
(Dollars in thousands)

| Revenue by Source |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Employee contributions |  | $\begin{gathered} \text { Employer } \\ \text { contributions } \end{gathered}$ | $\begin{gathered} \text { Interest } \\ \text { and } \\ \text { dividends } \end{gathered}$ | Net appreciation (depreciation) in fair value of investments | Investment, Interest, and administrative expenses | Total |
|  |  |  |  |  |  |  |  |
| 2001 | \$ | 24,047 | 200 | 31,112 | $(129,875)$ | $(6,595)$ | (81,111) |
| 2000 |  | 23,646 | 10,700 | 28,896 | 78,536 | (6,681) |  |
| 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 |
| 1996 |  | 20,904 | 111,000 | 56,118 | 119,063 | $(4,691)$ | 302,394 |
| 1995 |  | 23,564 | 87,100 | 51,014 | 161,434 | $(4,398)$ | 318,714 |
| 1994 |  | 23,784 | 98,600 | 50,310 | $(7,216)$ | $(4,202)$ | 161,276 |
| 1993 |  | 21,375 | 98,800 | 46,169 | 117,472 | (3,381) | 280,435 |
| 1992 |  | 20,765 | 84,200 | 50,088 | 41,682 | $(3,833)$ | 192,902 |
| Expenses by Type |  |  |  |  |  |  |  |
|  |  | Eenefits | Refunds | Total |  |  |  |
| Fiscal year: |  |  |  |  |  |  |  |
| 2001 | \$ | 2,600 | - | 2,600 |  |  |  |
| 2000 |  | 1,600 | - | 1,600 |  |  |  |
| 1999 |  | 700 |  | 700 |  |  |  |
| 1998 |  | 200 | 479 | 679 |  |  |  |
| 1997 |  | 144,007 | 408 | 144,485 |  |  |  |
| 1996 |  | 134,803 | 1,175 | 135,978 |  |  |  |
| 1995 |  | 115,415 | 1,294 | 116,709 |  |  |  |
| 1994 |  | 110,620 | 1,471 | 112,091 |  |  |  |
| 1993 |  | 102,667 | 1,713 | 104,380 |  |  |  |
| 1992 |  | 97,533 | 1,315 | 98,848 |  |  |  |

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 The Revitalization Act of 1997 made significant changes to the administration of the Fund. Ther

## DISTRICT OF COLUMBIA

## TEACHERS' RETIREMENT FUND

Schedule of Investment Information
Year ended September 30, 2001
(Unaudited)

At September 30, 2001, 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 investments held under the master trust agreement at September 30, 2001 is available for inspection at the offices of the District of Columbia Retirement Board, Suite 300, 1400 L Street, N.W., Washington, D.C. 20005.

## DISTRICT OF COLUMBIA

 POLICE OFFICERS AND FIRE FIGHTERS'RETIREMENT FUND
Financial Statements and Schedules
September 30, 2001 and 2000
(With Independent Auditors' Report Thereon)

Independent Auditors' Report
Statements of Net Assets
Statements of Changes in Net Assets
Notes to Financial Statements

## Supplementary Information

Schedule 1 - Employer Contributions
Schedule 2 - Actuarial Methods and Assumptions
Schedule 3 - Revenue by Source and Expenses by Type
Schedule 4 Revenue by Source ation
Schedule 5 - Five Percent Reportable Series of Transactions

## 2001 M Street, N.W.

Washington, D.C. 20036

## Independent Auditors' Report

## Board of Trustees

District of Columbia Police Officers and Fire Fighters' Retirement Fund:
We have audited the accompanying statements of net assets of the District of Columbia Police Officers and Fire Fighters' Retirement Fund (the Fund), a pension trust fund of the Government of the District of Columbia (the District), as of September 30, 2001 and 2000, and the related statements of changes in net Columbia (the District), as of September 30,2001 and 2000, and the related statements of changes in management Our responibility is to express an opinion on these financial statements based oudits.

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 abou 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 a evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

As discussed in note 1, the financial statements only present the financial activity of the Fund and are not intended to present the financial position and results of information of the District taken as a whole.

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 Fire Fighters' Retirement Fund as of September 30 2001 and 2000, 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 is not a required part of the financial statements, but is supplementary information required by the Governmental Accounting Standards Board. We have applied to schedules 1 and 2 certain limited procedures prescribed by professional standards, which consisted principally of inquiries of management regarding the methods of measurement and presentation of th 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

## KPMG LLP

## DISTRICT OF COLUMBIA

POLICE OFFICERS AND FLRE FIGHTERS,
RETIREMENT FUND
Statements of Net Assets
September 30, 2001 and 2000
(Dollars in thousands)

## Assets

| 2001 | 2000 |
| :---: | :---: |
| \$ 1,159,327 | 1,250,857 |
| 5,034 | 5,291 |
| 982 | 956 |
| 1,165,343 | 1,257,104 |
| 67,777 | 74,927 |
| 802 | 776 |
| 2,000 | 2,200 |
| 943 | 190 |
| 71,522 | 78,093 |
| \$ 1,093,821 | 1,179,011 |

See accompanying notes to financial statements

Statements of Changes in Net Assets
Years ended September 30, 2001 and 2000

## (Dollars in thousands)

|  | 2001 |  | 2000 |
| :---: | :---: | :---: | :---: |
| Additions: |  |  |  |
| Contributions: |  |  |  |
| District government | \$ | 49,000 | 39,900 |
| District employees |  | 16,832 | 16,285 |
| Total contributions |  | 65,832 | 56,185 |
| Investment income: |  |  |  |
| Net appreciation (depreciation) in fair value of investments |  | $(182,944)$ | 110,614 |
| Interest and dividends |  | 44,214 | 39,243 |
|  |  | $(138,730)$ | 149,857 |
| Less: ${ }^{\text {a }}$ |  |  |  |
| Investment expenses |  | 2,858 | 2,234 |
| Interest expense on securities lending transactions |  | 5,435 | 5,630 |
| Net investment income (loss) |  | $(147,023)$ | 141,993 |
| Total additions |  | $(81,191)$ | 198,178 |
| Deductions: |  |  |  |
| Benefit payments |  | 2,838 | 2,200 |
| Administrative expenses |  | 1,161 | 1,073 |
| Total deductions |  | 3,999 | 3,273 |
| Net (decrease) increase in net assets |  | $(85,190)$ | 194,905 |
| Net assets held in trust for pension benefits: |  |  |  |
| Beginning of year |  | 1,179,011 | 984,106 |
| End of year | \$ | 1,093,821 | 1,179,011 |

[^3]
## DISTRICT OF COLUMBIA

POLICE OFFICERS AND FIRE FIGHTERS'
RETIREMENT FUND
Notes to Financial Statements
September 30, 2001 and 2000
(Dollars in thousands)

## (1) Organization

The District of Columbia Police Officers and Fire Fighters' 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 fire fighters in the $1-7 s t$ et seq.). The Fund provides assets to pay pension benefits to police officers and (the Board) and the District of Columbia Teachers' Retirement Fund (the Teachers' Fund).

The National Capital Revitalization and Self-Government Improvement Act of 1997 (the Revitalization Act, Title XI of the Balanced Budget Act of 1997, Pub. L. 105-33) transferred the District of Columbia Judges' Retirement Fund to the United States Federal Government (the Federal Government). The Revitalization Act also transferred significant assets and liabilities of the Fund and the Teachers' Retirement Fund (collectively, the District Retirement 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 retiremen benefits for employee service credit earned prior to July 1, 1997, by participants of the District Retiremen Funds. The assets transferred to the Federal Government and the assets of the District Retirement Funds managed by the Retirement 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, Fire Fighters, 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 provided 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 members of that Fund and certain administrative expenses.
The Fund is included in the District's Comprehensive Annual Financial Report as a pension trust fund

## DISTRICT OF COLUMBIA

## POLICE OFFICERS AND FIRE FIGHTERS'

RETIREMENT FUND
Notes to Financial Statements
September 30, 2001 and 2000
(Dollars in thousands)

## (2) Fund Administration and Description

## District of Columbia Retirement Boar

The Board consists of 12 trustees, three appointed by the Mayor of the District, three appointed by th Council of the District, and six elected by the active and retired participants. Included are one active and one retired representative each from the police officers, firefighters, and teachers. The six employee representatives are elected by their respective groups of active and retired employees.

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, ncluding Benefits, Fiduciary, Investment, Legislative, Operations, and Minority Participation mplement its policies, the Board retains the executive director and other staff to be responsible for the day-to-day management of the District Retirement Funds.

## ther Administration

The District of Columbia Police Officers and Fire Fighters' Retirement Relief Board makes findings o fact, conclusions of law, and decisions regarding retirement, survivor benefits, extent of disability, and annual medical and income reviews. The Board of Police and Fire Surgeons determines medical eligibility for disability retirement. The Office of Pay and Retirement Services (OPRS) within the D. C. Office of inancial Operations and Systems, Office of the Chief Financial Officer, receives retirement orders for etirement benefit calculations for all active plan members found eligible for retirement and carries out the day-to-day processing of retirement benefits. OPRS also processes employee requests for refunds of contributions.

## Eligibility

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

Retirement and disability benefit provisions for District of Columbia police officers and fire fighters are established by the "Policemen and Firemen's Retirement and Disability Act," codified at D.C. Code § 5-701 et seq. (2001 Ed.)

## DISTRICT OF COLUMBIA

 POLICE OFFICERS AND FIRE FIGHTERS RETIREMENT FUNDNotes to Financial Statements
September 30, 2001 and 2000
(Dollars in thousands)

## 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 after age 55 with five years of departmental service. The annual basic retirement benefit equals $2.5 \%$ of average pay, which is defined as the highest consecutive 12 months of departmental service, multiplied by departmental service up to 20 years, plus $3 \%$ of average pay multiplied by departmental service over 20 years, plus $2.5 \%$ of average pay multiplied by credited service, but not more than $80 \%$ of the average pay. Members terminated 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. Members receive the per centum increase granted to active participants in the 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 pay. Members with 26 years and eight months to 28 years of service receive two-thirds ( $2 / 3$ ) of average pay. Members with 26 years and eight months to 28 years of
service receive $2.5 \%$ of average pay multiplied by service. Members with more than 28 years of service receive $70 \%$ of average pay.

Members with permanent, nonservice related disabilities who have 5 to 20 years of service receive $40 \%$ of merage pay, 20 to 35 , nors 35 years of service receive $70 \%$ of average 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 retiremen benefit equals $2.5 \%$ of average pay, which is defined as the highest consecutive 36 months of departmental service, multiplied by departmental service up to 25 years, plus $3 \%$ of average pay multiplied by departmental service over 25 years plus, $2.5 \%$ of average pay multiplied by credited service, but not more than $80 \%$ of the average pay. Members separated after five years of departmental service are entitled to deferred pension beginning at age 55
Members with permanent, service-related disabilities receive $70 \%$ of final pay multiplied by percentage of disability, with a minimum benefit of $40 \%$ of final pay.
Members with permanent, nonservice related disabilities with more than 5 years of service receive $70 \%$ of final pay multiplied by percentage of disability, with a minimum benefit of $30 \%$ of final 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

## DISTRICT OF COLUMBIA

## OLICE OFFICERS AND FIRE FIGHTERS'

 RETIREMENT FUNDNotes to Financial Statements
September 30, 2001 and 2000
(Dollars in thousands)

## 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 pay which is defined as the highest consecutive 36 months of departmental service, multiplied by departmental service, but not more than $80 \%$ of the average 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 final pay multiplied by percentage o disability, with a minimum benefit of $40 \%$ of final pay

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

## Participant Data

For the years ended September 30, 2001 and 2000, the number of participating employees was as follows:

|  | 2001 | 2000 |
| :---: | :---: | :---: |
| Retirees and beneficiaries receiving benefits (includes retirees being paid by the Federal Government) |  |  |
| Active plan members | 4,091 | 4,140 |
| Active nonvested plan members | 624 | 646 |
| Total | 12,329 | 12,333 |

## 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 Fire Fighters hired on or after November 10, 1996) of annual salary, including any differential for special assignment, but excluding overtime, longevity, 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 2001 and 2000 were equal to 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.

## DISTRICT OF COLUMBIA

 POLICE OFFICERS AND FIRE FIGHTERS,RETIREMENT FUND
Notes to Financial Statements
September 30, 2001 and 2000
(Dollars in thousands)

## (3) Summary of Significant Accounting Policie

## 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 is eamed 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 Investment

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. Short-term 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
 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 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 mounts of assets, liabilities, additions and deductions to net assets held in trust for pension benefits and amounts of assets, liabilities, additions and deductions to net assets hels in trust for pensiong 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 expense incurred in managing the assets and administering the Fund. The total investment expenses borne by the Fund was and $\$ 2,858$ in 2001 and $\$ 2,234$ in 2000, respectively.

The Board is authorized to manage and control the investment of the District Retirement Funds' assets The Board broadly diversifies the investments of the District Retirement 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.). The District Retirement Funds are authorized to be invested in a variety of investments including fixed income, equity securities and other types of investments. As prescribed in D.C Code § 1-907.01 ( 2001 Ed.), the Board shall not invest in debt instruments of the District, the Commonwealth of Virginia or State of Maryland governments, political subdivisions thereof, or any entity subject to control by them; debt instruments fully guaranteed by those governments; real property in thos jurisdictions; or debt instruments secured by real property in those jurisdictions.

## 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(b), ( 2001 Ed .), with a master custodian under a master trust arrangement (the Maste rust). Using an investment pool, each Fund has equity in the pool. District and employee contribution are deposited to the respective Retirement Fund for which the contribution was made, and benefit payments and employee contribution refunds are withdrawn from the Fund in which the recipien 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, 2001 and 2000 are as follows:

|  | 2001 |  | 2000 |
| :---: | :---: | :---: | :---: |
| Investments categorized (A): |  |  |  |
| Investments - held by Board's agent in Board's name: Cash and cash equivalents | \$ | 472,435 | 309,719 |
| Equities (of which $\$ 0$ and $\$ 839$ in 2001 and 2000, respectively, is on securities loan with securities and other collateral |  | 1,063,641 | 1,277,699 |
| Fixed income securities (of which $\$ 9,381$ and $\$ 1,347$ in 2001 and 2000, respectively, is on securities loan with securities and other collateral) Payable on investment transactions |  | $\begin{gathered} 645,862 \\ (422,100) \\ \hline \end{gathered}$ | $\begin{array}{r} 682,162 \\ (356,256) \\ \hline \end{array}$ |
| Subtotal |  | 1,759,838 | 1,913,324 |
| Investments not categorized (B): |  |  |  |
| Real Estate |  | 4,877 | 5,295 |
| Investments held by broker-dealer under securities loans with cash collateral: |  |  |  |
| Equities |  | 38,235 | 46,148 |
| Fixed income security |  | 74,785 | 78,874 |
| Securities lending collective investment pool |  | 115,813 | 129,091 |
| Subtotal |  | 228,833 | 254,113 |
| Total | \$ | 1,993,548 | 2,172,732 |
| (A) All categorized investments are Category 1 risk. |  |  |  |
| (B) These investments are not categorized because they physical or book entry form. |  | denced by | that exist |

DISTRICT OF COLUMBIA POLICE OFFICERS AND FIRE FIGHTERS'

## RETIREMENT FUND

Notes to Financial Statements
September 30, 2001 and 2000
Dollars in thousands)

Investments are categorized by level of custodial credit risk (the risk that a counterparty to an investmen fransaction will not fulfill its obligations). Category 1 , the lowest risk, includes investments that are insure registered or for which the securities are held by the entity or its agent in the entity's name. Category 2 includes uninsured and unregistered investments for which the securities are held by the counterparty's rust department or agent in the entity's name. Category 3, the highest risk, includes uninsured and unregistered investments for which the securities are held by the counterparty, or by its trust department of gent, but not in the entity's name

At September 30, 2001, the Fund's share of the Investment Pool was $\$ 1,164,361$, including cash collateral of $\$ 67,777$ and accrued interest receivable. At September 30, 2000, the Fund's share of the Investmen Pool was $\$ 1,256,148$, including cash collateral of $\$ 74,927$ and accrued interest receivable.

## Securities Lending Transactions

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

During 2001 and 2000, 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 marke 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 othe qualified tax-exempt plan lenders, in a collective investment pool (the Quality Fund).

Because the Quality Fund does not meet the requirements of rule 2a-7 of the Investment Company Act of 1940, 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 2001 or 2000

## DISTRICT OF COLUMBIA

## POLICE OFFICERS AND FIRE FIGHTERS

RETIREMENT FUND
Notes to Financial Statements
September 30, 2001 and 2000
(Dollars in thousands)

The average duration of the investment pool as of both September 30, 2001 and 2000 was 74 days, and the average weighted maturity was 193 and 161 days, respectively. Because the loans were terminable at will, their duration did not generally match the duration of the investments made with cash collateral.
During 2001 and 2000, 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 2001 and 2000.
On September 30, 2001 and 2000, the Board had no credit risk exposure to borrowers. The collateral held and the market value of securities on loan for the Board were $\$ 125,382$ and $\$ 122,402$, respectively, as of and 2000, ther 30,1 and $\$ 131,387$ and $\$ 127,20$, respectively as or 200 , he Mast's gross earnings from securtes lending tancalized to discount $\$ 1,500$ and $\$ 9,306$, $\$ 8,326,573$, $\$ 9890$, respectively in 2000 . The Fund's share of the net earnings on securities lending transactions totaled $\$ 444$ and $\$ 296$ in 2001 and 2000 , 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, asset-backed securities, and floating rate notes. Denvative 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 2001 and 2000, 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 securitie (CMOs), mortgage-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 mortgage-backed 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 mortgage-backed pools. Market risk for asset-backed and mortgagebacked 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 xtent 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 mortgage-backed securities.

Foreign currency forward and futures contracts and foreign currency options are used by the Retiremen 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 level 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 risk rise due to movements in the foreign exchange rates underlying the contracts used by the Retiremen ands. Credit risk is managed by limiting transactions to counterparties with short-term credit ratings of 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 ading on organized exchanges.

## DISTRICT OF COLUMBIA

## POLICE OFFICERS AND FIRE FIGHTERS

RETIREMENT FUND
Notes to Financial Statements
September 30, 2001 and 2000
(Dollars in thousands)

Equity index futures are 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, mutual or short tunds that hald 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. Furthe information regarding balances throughout the year is not available.

The Fund's aggregate portfolio included the following derivative investments, at fair value, at September 30, 2001 and 2000:

Mortgage backed security pools and securities Collateralized mortgage obligations
Asset backed securities
Asset backed secur
Mortgage backed securities forward contracts nflation index bonds
Structured notes (including stripped securities) Foreign currency futures/forward contracts, net Stock performance index futures fund
Options
$\qquad$
431,296

| $\mathbf{2 0 0 0}$ |
| :---: |
| 31,023 |
| 11,455 |
| 56,069 |
| 11,581 |
| 293,451 |
| 29,954 |
| 15,183 |
| $(6,528)$ |
| 18,345 |
| $(2,754)$ |
| 457,779 |

DISTRICT OF COLUMBIA
POLICE OFFICERS AND FIRE FIGHTERS' RETIREMENT FUND
Schedule of Employer Contributions
(Unaudited)
(Dollars in thousands)

| Fiscal Year |
| :--- |
| 2001 |
| 2000 |
| 1999 |
| 1998 |

$\left.\begin{array}{ccc} & \begin{array}{c}\text { Annual } \\ \text { required } \\ \text { contribution }\end{array} & \end{array} \begin{array}{c}\text { Percentage } \\ \text { contributed }\end{array}\right]$

## DISTRICT OF COLUMBIA

OFFICERS AND FIRE FIGHTERS'
POLICE OFFICERS AND FIRE F
RETIREMENT FUND
Schedule of Actuarial Methods and Assumptions
(Unaudited)

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, <br> $\mathbf{2 0 0 1}$ |
| :--- | :--- |
|  | October 1, $\mathbf{1 9 9 9}$ |
| 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 | $5.5 \%-8.8 \%$ |
| Includes inflation at | $5 \%$ |
| Cost-of-living adjustments (COLAs) | $5 \%{ }^{(1)}$ |

Cost-of-living adjustments (COLAs)
(1) Post-1996 hires have COLAs capped at $3.00 \%$

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

|  | DISTRICT OF COLUMBIA POLICE OFFICERS AND FIRE FIGHTERS' RETIREMENT FUND |  |  |  |  |  | Schedule 3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Schedule of R | e by Source | Expenses by Type |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  | venue by sou |  |  |  |
| Fiscal year | Employeecontributions |  | $\begin{gathered} \text { Employer } \\ \text { contributions } \end{gathered}$ | $\begin{gathered} \text { Interest } \\ \text { and } \\ \text { dividends } \end{gathered}$ | Net appreciation (depreciation) in fair value of investments | Investment, interest and administrative expenses | Total |
| 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 |
| 1996 |  | 13,005 | 220,000 | 81,108 | 159,723 | (6,304) | 467,532 |
| 1995 |  | 13,616 | 204,900 | 77,096 | 211,940 | $(5,802)$ | 501,750 |
| 1994 |  | 15,180 | 202,800 | 73,581 | (9,300) | $(5,464)$ | 276,797 |
| 1993 |  | 14,067 | 188,200 | 60,728 | 151,520 | $(4,312)$ | 410,203 |
| 1992 |  | 13,901 | 165,800 | 70,207 | 51,080 | $(4,701)$ | 296,287 |
|  |  | Expenses by type |  |  |  |  |  |
| Fiscal year |  |  | Benefits |  | Refunds |  | Total |
| 2001 | \$ |  | 2,838 |  | - |  | 2,838 |
| 2000 |  |  | 2,200 |  | - |  | 2,200 |
| 1999 |  |  | 1,600 |  | 75 |  | 1,600 |
| $\begin{aligned} & 1998 \\ & 1997 \end{aligned}$ |  |  | 400 |  | 75 |  | 475 240998 |
| 1997 |  |  | 240,836 213,945 |  | 162 |  | 240,998 214,046 |
| 1995 |  |  | 203,251 |  | 100 |  | 203,351 |
| 1994 |  |  | 181,085 |  | 185 |  | 181,270 |
| 1992 |  |  | 171,443 164,342 |  | $\overline{64}$ |  | 171,443 164,406 |

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

DISTRICT OF COLUMBIA
POLICE OFFICERS AND FIRE FIGHTERS'
RETIREMENT FUND
Schedule of Investment Information
Year ended September 30, 2001
(Unaudited)

At September 30, 2001, 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, 2001 is available for inspection at the offices of the District of Columbia Retirement Board, Suite 300, 1400 L Street, N. W., Washington, D. C. 20005

## DISTRICT OF COLUMBIA <br> POLICE OFFICERS AND FIRE FIGHTERS' <br> RETIREMENT FUND

Schedule of Five Percent Reportable Series of Transactions
(Unaudited)

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 § 1-903.06(b)(3), (2001 Ed.)

Exhibit H

## Report From Enrolled Actuary

For Fiscal Year 2001


District of Columbia
Retirement Board
Valuation as of October 1, 1999
for Fiscal Year 2001

Letter of Transmittal

Actuarial Certification

Section I
Board Summary

Section II

Section III
Contributions

Appendices

| Appendix A | Membership Data and <br> Profile |
| :--- | :--- |
| Appendix B | Actuarial Assumptions <br> and Procedures |
| Appendix C | Summary of Plan Provisions |
| Appendix D | GASB Disclosures |


| 镸膏 |  | $\begin{aligned} & \text { S. } \\ & \text { 旡 } \end{aligned}$ |  | $$ | $\underset{\underset{\sim}{\square}}{\stackrel{\circ}{4}}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\stackrel{+}{\circ}$ |  | $\begin{gathered} n \\ \stackrel{\infty}{\infty} \\ \underset{\sim}{0} \end{gathered}$ | $\stackrel{-}{0}$ $\stackrel{+}{9}$ $\underset{\sim}{9}$ | $$ |  |
| \％ |  | $\stackrel{\widetilde{m}}{\substack{6}}$ | $\begin{aligned} & \bar{\infty} \\ & \underset{\omega}{\infty} \\ & \stackrel{m}{x} \end{aligned}$ | た | $\begin{aligned} & \bar{\infty} \\ & \stackrel{\sim}{\infty} \end{aligned}$ | $\begin{aligned} & - \\ & \stackrel{\infty}{\infty} \\ & \stackrel{D}{\infty} \end{aligned}$ |  |
| $\frac{y}{a}$ |  | $\stackrel{\rightharpoonup}{\dot{\theta}}$ | $\begin{gathered} \bar{\circ} \\ \text { Nen } \end{gathered}$ | $\begin{aligned} & \omega \\ & \stackrel{\omega}{m} \\ & \underset{\omega}{\infty} \end{aligned}$ | － | $\begin{aligned} & \bar{\sim} \\ & \underset{\sim}{0} \end{aligned}$ |  |



# $V^{n}$ <br> MILLIMAN \& ROBERTSON, INC <br> Actuaries \& Consultants <br> Internationally WOODROW MILLIMAN <br> <br> Suite 1000, 8000 Towers Crescent Drive, Vienna, VA 22182-2700 <br> <br> Suite 1000, 8000 Towers Crescent Drive, Vienna, VA 22182-2700 <br> elephone: 703/9917-014 

April 10, 2000
D.C. Retirement Board

1400 L Street, NW
Suite 300
Washington, DC 20005

Dear Members of the Board:
At your request, we have made our annual actuarial valuation of the District of Columbia Retirement Fund as of October 1, 1999, for fiscal year 2001. The results of the valuation are contained in the following report.

This report has been prepared for purposes of disclosure and for statutory funding calculations Determinations for other purposes may be significantly different than those presented herein.

This report contains the actuarial certification approved by the Board during its December 1999 meeting. However, as a result of the vote of the Board in January 2000 to change the asset distribution method, the normal contribution rates changed from those previously certified. This report reflects the new fiscal year 2001 contribution rates. Any necessary adjustments to the certified 2001 District payment will be realized in the fiscal year 2003 contribution as part of the D.C. Code 1-784.2(c) adjustment.

The actuary has recommended the actuarial assumptions used in this valuation. We believe that the assumptions we have recommended, in the aggregate, are reasonably related to the experience of the Fund and the retirement program and to reasonable expectations, and represent our best estimate of anticipated future experience of the plan.

We have relied, without audit, on employee census data provided by the Office of Payroll and Retirement Services of the District of Columbia. Census data provided to us has been reviewed for reasonableness. The District of Columbia Retirement Board provided us with the market value of assets as of October 1, 1999.

## D.C. Retirement Board

## April 10, 2000

Page 2 of 2

We hereby certify that, to the best of our knowledge, this report is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices set forth by the American Academy of Actuaries.

Respectfully submitted,
MILLIMAN \& ROBERTSON, INC.


John L. Colberg, F.S.A. Consulting Actuary


Gene M. Kalwarski, F.S.A. Principal \& Consulting Actuary

[^4]
## Section I Board Summarv

## Valuation Comments:

The report presents the results of the October I, 1999 actuarial valuation of the D.C. Police Officers and Fire Fighters Retirement Fund and the D.C. Teachers Retirement Fund (the performing the valuation Columbia Re

- to determine the appropriate contribution to each Fund to be paid by the District in Fiscal Year 2001
- to determine the overpayment or shortfall from the District to each fund for the prior fiscal year;
- to disclose asset and liability measures of each fund; and
- to analyze and report on trends in the contributions, assets, and liabilities of the Funds over the past several years.

Prior to the District of Columbia Retirement Protection Act of 1997 (DCRPA '97), the Board had been responsible for management and control of the Teachers, the Police Officers and to instruction from the US. Treasy, retirement fund (including liabilities accued after June 30, 1997) to the Federal Govemment

DCRPA '97 also provided that the Federal Government assume the liabilities for anyon retired on or before June 30 , 199 , as well as liabilities attributable to active employees service on or before June 30,1997 . As compensation for absorbing these liabilities, the Federal Government appropriated all but $\$ 1.275$ billion of the assets of the three retiremen funds as of October 1, 1997. Employee contributions (with interest) made between June 30,1999 and September 30, 1997 also remained with the District

Following the Federal legislation, the District govermment passed D.C. Law 12-189 that required future District contributions to be made in accordance with an actuarially liabilities.

Over the past few years, the funds have been experiencing fluctuations in the investmen return as a result of volatility in the financial markets. On a market value basis, the fund experienced an approximate return of $18.5 \%$ for fiscal year ending September 30, 1999. Thi followed a $1.7 \%$ return for fiscal year ending September 30,1998 and a $27 \%$ return for fiscal year ending September 30,1997 . This volatility could potentially cause signic year to use an actuarial ("smoothed") value of assets for determining the District contributio beginning with the tiscal year 2001 District payment. The determination of the actuarial value of assers is detailed in Section II.

Finally, for the first time, the District payment reflects the adjustment pursuant to $\$ 1$ 1-784.2(c) of the D.C. Code. This adjustment either raises or lowers the District payment based on the comparison of actual and projected fiscal year covered payroll. This adjustment is detailed in

```
The balance of this section presents system trends and tables summarizing results for both of the Retirement Funds.
Trends of the Retirement Funds:
```



September 30, 1998, the fund returned 18.5\% for fiscal year ending September 30, 1999. This was far in excess of the actuarial assumed rate of $7.25 \%$.

Millions


District Payments [before D.C. Code \$1-784.2(c)]

The District of Columbia Retirement Protection Act of 1997 DCRPA '97) significantly lowered the required District payments. For fiscal years 1998 through 2001, the required District payments have remained relatively stable.

Trends of the Retirement Funds (continued):


MILLIMAN \& ROBERTSON, INC.

## Report of the Actuary to the D.C. Retirement Board

## Valuation as of October 1, 1999

## SUMMARY OF PRINCIPAL RESULTS

(Dollars in Millions)

| 1. Participant Data | October 1, 1999 | October 1, 1998 | Change |
| :---: | :---: | :---: | :---: |
| Active Members |  |  |  |
| Hired prior to mid-November, 1996 | 9,175 | 9,949 | -7.8\% |
| Hired on or after mid-November, 1996 | 1,586 | 978 | 62.2\% |
| Total | 10,761 | 10,927 | -1.5\% |
| Retired Members and Beneficiaries |  |  |  |
| Federal Responsibility | 12,064 | 12,285 | -1.8\% |
| Joint (Federal \& District) Responsibility | 648 | 238 | 172.3\% |
| Total | 12,712 | 12,523 | 1.5\% |
| Vested Terminated Members | 25 | 25 | 0.0\% |
| Total Participants | 23,498 | 23,475 | 0.1\% |
| Annual Salaries of Active Members | \$496.6 | \$485.7 | 2.2\% |
| Annual Retirement Benefits for Retirees \& Beneficiaries |  |  |  |
| Federal Responsibility | \$395.2 | \$379.5 | 4.1\% |
| Joint (Federal \& District) Responsibility | \$2.3 | \$0.7 | 228.6\% |
| Total | \$397.5 | \$380.2 | 4.6\% |
| 2. Assets and Liabilities | October 1, 1999 | October 1, 1998 | Change |
| Present Value of Future District Benefits | \$2,669.8 | \$2,375.8 | 12.4\% |
| District Assets for Valuation Purposes | \$1,620.1 | \$1,387.7 | 16.7\% |
| Present Value of Future Employee Contributions | \$406.7 | \$390.9 | 4.0\% |
| Present Value of Future District Contributions | \$728.2 | \$597.2 | 21.9\% |
| Present Value of Future Salaries | \$5,681.5 | \$5,510.8 | 3.1\% |
| Market Value of District Assets | \$1,714.6 | \$1,387.7 | 23.6\% |
| 3. District Contribution Results | Fiscal Year 2001 | Fiscal Year 2000 | Change |
| Normal Contribution Rate | 11.1\% | 9.8\% | 13.3\% |
| Projected Payroll | \$529.7 | \$515.7 | 2.7\% |
| District Payment before §1-784.2 Adjustment | \$58.9 | \$50.6 | 16.4\% |
| District Payment atter \$̧1-784.2 Adjustment | \$59.3 | \$50.6 | 17.2\% |

## Report of the Actuary to the D.C. Retirement Board

## for the Teachers' Retirement Fund

Valuation as of October 1, 1999

## SUMMARY OF PRINCIPAL RESULTS

(Dollars in Millions)

| 1. Participant Data | October 1, 1999 | October 1, 1998 | Change |
| :---: | :---: | :---: | :---: |
| Active Members |  |  |  |
| Hired prior to November 16, 1996 | 4,967 | 5,537 | -10.3\% |
| Hired on or after November 16, 1996 | 1,079 | 604 | 78.6\% |
| Total | 6,046 | 6,141 | -1.5\% |
| Retired Members and Beneficiaries |  |  |  |
| Federal Responsibility | 4,748 | 4,872 | -2.5\% |
| Joint (Federal \& District) Responsibility | 350 | 104 | 236.5\% |
| Total | 5,098 | 4,976 | 2.5\% |
| Vested Terminated Members | 25 | 25 | 0.0\% |
| Total Participants | 11,169 | 11,142 | 0.2\% |
| Annual Salaries of Active Members | \$275.3 | \$281.2 | -2.1\% |
| Annual Retirement Benefits for Retirees \& Beneficiaries |  |  |  |
| Federal Responsibility | \$147.2 | \$142.0 | 3.7\% |
| Joint (Federal \& District) Responsibility | \$0.7 | \$0.2 | 250.0\% |
| Total | \$147.9 | \$142.2 | 4.0\% |
| 2. Assets and Liabilities | October 1, 1999 | October 1, 1998 | Change |
| Present Value of Future District Benefits | \$802.5 | \$760.4 | 5.5\% |
| District Assets for Valuation Purposes | \$691.0 | \$461.0 | 49.9\% |
| Present Value of Future Employee Contributions | \$196.7 | \$198.4 | -0.9\% |
| Present Value of Future District Contributions | \$0.0 | \$101.0 | -100.0\% |
| Present Value of Future Salaries | \$2,732.9 | \$2,793.3 | -2.2\% |
| Market Value of District Assets | \$726.9 | \$461.0 | 57.7\% |
| 3. District Contribution Results | Fiscal Year 2001 | Eiscal Xear 2000 | Change |
| Normal Contribution Rate | 0.0\% | 3.6\% | -100.0\% |
| Projected Payroll | \$291.4 | \$297.0 | -1.9\% |
| District Payment betore §1-784.2 Adjustment | \$0.0 | \$10.7 | -100.0\% |
| District Payment after §1-784.2 Adjustment | \$0.0 | \$10.7 | -100.0\% |

## Report of the Actuary to the D.C. Retirement Board <br> for the Police Officers' Portion of the <br> Police Officers and Fire Fighters' Retirement Fund

Valuation as of October 1. 1999

## SUMMARY OF PRINCIPAL RESULTS

(Dollars in Millions)

| 1. Participant Data | October 1, 1999 | October 1, 1998 | Change |
| :---: | :---: | :---: | :---: |
| Active Members |  |  |  |
| Hired prior to February 15, 1980 | 494 | 620 | -20.3\% |
| Hired between Feb. 15, 1980 and Nov. 10, 1996 | 2,573 | 2,645 | -2.7\% |
| Hired on or after November 10, 1996 | 412 | 309 | 33.3\% |
| Total | 3,479 | 3,574 | -2.7\% |
| Retired Members and Beneficiaries ${ }^{3,574}$-2.7\% |  |  |  |
| Federal Responsibility | 5,383 | 5,462 | -1.4\% |
| Joint (Federal \& District) Responsibility | 231 | , 88 | 162.5\% |
| Total | 5,614 | 5,550 | 1.2\% |
| Vested Terminated Members | 0 | 0 | NA |
| Total Participants | 9,093 | 9,124 | -0.3\% |
| Annual Salaries of Active Members | \$162.8 | \$151.3 | 7.6\% |
| Annual Retirement Benefits for Retirees \& BeneficiariesFedeal |  |  |  |
| Federal Responsibility | \$176.9 | \$167.7 | 5.5\% |
| Joint (Federal \& District) Responsibility | \$0.4 | \$0.2 | 100.0\% |
| Total | \$177.3 | \$167.9 | 5.6\% |
| 2. Assets and Liabilities | October 1, 1999 | October 1, 1998 | Change |
| Present Value of Future District Benefits | \$1,333.6 | \$1,154.9 | 15.5\% |
| District Assets for Valuation Purposes | \$660.3 | \$657.9 | 0.4\% |
| Present Value of Future Employee Contributions | \$156.2 | \$142.8 | 9.4\% |
| Present Value of Future District Contributions | \$517.1 | \$354.2 | 46.0\% |
| Present Value of Future Salaries | \$2,190.7 | \$2,013.8 | 8.8\% |
| Market Value of District Assets | \$701.5 | \$657.9 | 6.6\% |
| 3. District Contribution Results | Fiscal Year 2001 | Fiscal Year 2000 | Change |
| Normal Contribution Rate | 23.6\% | 17.6\% | 34.1\% |
| Projected Payroll | \$175.1 | \$161.6 | 8.4\% |
| District Payment before §1-784.2 Adjustment | \$41.3 | \$28.4 | 45.4\% |
| District Payment after §1-784.2 Adjustment | \$42.0 | \$28.4 | 47.9\% |

## Report of the Actuary to the D.C. Retirement Board for the Fire Fighters' Portion of the <br> Police Officers and Fire Fighters' Retirement Fund

Valuation as of October 1, 1999

## SUMMARY OF PRINCIPAL RESULTS

(Dollars in Millions)

1. Participant Data

Active Members Hired prior to February 15, 1980 Hired between Feb. 15, 1980 and Nov. 10, 199 Hired on or after November 10, 1996 Total
etired Members and Beneficiaries ederal Responsibility \& District) Responsibility Total Participants
Annual Salaries of Active Members Annual Retirement Benefits for Retirees \& Beneficiaries Federal Responsibility Joint (Federal \& District) Responsibility Total

## 2. Assets and Liabilities

Present Value of Future District Benefits
District Assets for Valuation Purposes resent Value of Future Employee Contributions Present Value of Future District Contributions

Present Value of Future Salaries
Market Value of District Assets

## 3. District Contribution Results

rojected Payroll
District Payment before § 1-784.2 Adjustment District Payment after §§1-784.2 Adjustment

| October 1, 1999 | October 1, 1998 | Change |
| :---: | :---: | :---: |
| 243 | 262 | -7.3\% |
| 898 | 885 | 1.5\% |
| 95 | 65 | 46.2\% |
| 1,236 | 1,212 | 2.0\% |
| 1,933 | 1,951 | -0.9\% |
| 67 | 46 | 45.7\% |
| 2,000 | 1,997 | 0.2\% |
| 0 | 0 | NA |
| 3,236 | 3,209 | 0.8\% |
| \$58.5 | \$53.2 | 10.0\% |
| $\$ 71.1$ | \$69.8 | 1.9\% |
| \$1.2 | \$0.3 | 300.0\% |
| \$72.3 | \$70.1 | 3.1\% |
| October 1, 1999 | October 1, 1998 | Change |
| \$533.7 | \$460.5 | 15.9\% |
| \$268.8 | \$268.8 | 0.0\% |
| \$53.8 | \$49.7 | 8.2\% |
| \$211.1 | \$142.0 | 48.7\% |
| \$757.9 | \$703.7 | 7.7\% |
| \$286.2 | \$268.8 | 6.5\% |


| $27.9 \%$ | $20.2 \%$ | $38.1 \%$ |
| :--- | :--- | :--- |
| $\$ 63.2$ | $\$ 57.1$ | $10.7 \%$ |
| $\$ 17.6$ | $\$ 11.5$ | $53.0 \%$ |

$173-\quad \$ 11.5 \quad 50.4 \%$

| Report of the Actuary to the D.C. Retirement Board for the Police Officers and Fire Fighters' Retirement Fund Valuation as of October 1, 1999 |  |  |  |
| :---: | :---: | :---: | :---: |
| SUMMARY OF PRINCIPAL RESULTS <br> (Dollars in Millions) |  |  |  |
|  | October 1, 1999 | October 1, 1998 | Change |
| 1. Participant Data |  |  |  |
| Number of: |  |  |  |
| Hired prior to February 15, 1980 | 737 | 882 | -16.4\% |
| Hired between Feb. 15, 1980 and Nov. 10, 1996 | 3,471 | 3,530 | -1.7\% |
| Hired on or after November 10, 1996 | 507 | 374 | 35.6\% |
| Retired Members and Beneficiaries 4 , 786 |  |  |  |
| Federal Responsibility | 7,316 | 7,413 |  |
| Joint (Federal \& District) Responsibility | 298 | 134 | 122.4\% |
| Total | 7,614 | 7,547 | 0.9\% |
| Vested Terminated Members |  | , | NA |
| Total Participants | 12,329 | 12,333 | -0.0\% |
| Annual Salaries of Active Members | \$221.3 | \$204.5 | 8.2\% |
| $\begin{array}{llll}\text { Annual Retirement Benefits for Retirees \& Beneficiaries } & \\ \text { Feder }\end{array}$ |  |  |  |
| Joint (Federal \& District) Responsibility | \$1.6 | \$0.5 | 220.0\% |
| Total | \$249.6 | \$238.0 | 4.9\% |
| 2. Assets and Liabilities October 1,1999 October 1, 1998 Change |  |  |  |
| Present Value of Future District Benefits | \$1,867.3 | \$1,615.4 | 15.6\% |
| District Assets for Valuation Purposes | \$929.1 | \$926.7 | 0.3\% |
| Present Value of Future Employee Contributions | \$210.0 | \$192.5 | 9.1\% |
| Present Value of Future District Contributions | \$728.2 | \$496.2 | 46.8\% |
| Present Value of Future Salaries | \$2,948.6 | \$2,717.5 | 8.5\% |
| Market Value of District Assets | \$987.7 | \$926.7 | 6.6\% |
| 3. District Contribution Results | Fiscal_Year 2001 | Fiscal Xear_2000 | Change |
| Normal Contribution Rate | 24.7\% | 18.2\% | 35.7\% |
| Projected Payroll | \$238.3 | \$218.7 | 9.0\% |
| District Payment before §1-784.2 Adjustment | \$58.9 | \$39.9 | 47.6\% |
| District Payment after \$1-784.2 Adjustment | \$59.3 | \$39.9 | 48.6\% |
|  | -8 |  |  |

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## Section II Assets and Liabilities

In this section we present details regarding both the Assets and Liabilities of the Fund. In the following subsections, we will summarize the following:
(a) the Current Value and Actuarial Value of District Assets;
(b) the Distribution of the Actuarial Value of Assets between Individual Funds;
(c) the Present Value of Future District Retirement Benefits; and
(d) the Present Value of Accrued District Retirement Benefits

## Current Value of District Assets

In this subsection, we present details with regards to the Current Value of District Assets.

Table II-1 traces the increases and decreases in the Current Value of District Assets from October 1, 1998 through October 1, 1999. The allocation of benefit payments and investment income are approximations based on the most recent information available from the District of Columbia and the D.C. Retirement Board.

## Table II-1

Current Value of Assets as of October 1, 1999

## (Dollars in Millions)

| 1. | Current Value of Assets as of October 1, 1998 |
| :--- | ---: |$\quad \$ 1,387.7$

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## Actuarial Value of District Assets

In this subsection, we present details with regards to the Actuarial Value of District Assets.

An actuarial value of assets is a "smoothed" value of assets. It should be based upon the market value of assets. It is the actuarial value, rather than market value, of assets that is used to determine the District contribution.

Since the annual District contribution is based on the difference between the presen value of future benefits and assets plus the present value of future employe contributions, fluctuations in assets can cause similar fluctuations in annual contributions. The use of an actuarial value of assets can help reduce the effect of market fluctuations on the District contributions.

The current actuarial value of asset method was approved by the Board last year. The actuarial value of assets is the expected market value of assets (assuming a $7.25 \%$ rate of return) plus $1 / 3$ of the difference between the expected and actual marke value of assets. There is then a final adjustment made for the effect of the adjustmen pursuant to $\S 1-784.2$ (c) of the D.C. Code. This adjustment is explained in further detail in Section III of this report.

Table II-2 shows the development of the Actuarial Value of District Assets as of October 1, 1999.

## Table II-

Actuarial Value of Assets as of October 1, 1999 (Dollars in Millions)

1. Current Value of Assets as of October 1, 1998
2. FY99 District Contributions
3. FY99 Employee Contributions
4. Estimated Reimbursement to U.S. Treasury for Benefits Paid(2.3)
5. FY99 Expected Investment Earmings © $725 \%$ ..... 105.8
6. Expected Current Value of Assets as of October 1, 1999\$1,581.37. Actual Current Value of Assets as of October 1,1999\$1,714.6
7. Smoothed Value of Assets as of October 1,1999 $[(2 / 3 \times 6)+.(1 / 3 \times 7)$.
8. Present Value of §1-784.2(c) Adjustment

## Distribution of the Actuarial Value of District Assets

When Congress passed DCRPA ' 97 in August of 1997, the legislation stated the following:
$" .$. the Secretary shall designate assets with a value of $\$ 1.275$ billion that shall not
be transferred from the District Retirement Fund $"$ " be transferred from the District Retirement Fund..."

The legislation gave no guidance, however, on how the $\$ 1.275$ billion was to be distribute between the Teacher and the Police/Fire retirement funds. As stated in our valuation for Fiscal Year 1999, the three purposes of the legislation were

To relieve the District of the unfunded liabilities in the three retirement funds ( $\$ 4.8$ billion as of October 1, 1996);

- To reduce District contributions to the Retirement Funds by at least $\$ 250$ million;
- To provide that the new District retirement plan be actuarially sound

The legislation also provided that, until the Federal assets were transferred out of the Funds, the assets were officially under the jurisdiction of the U.S. Treasury. Therefore the Board could not distribute the $\$ 1.275$ billion between the two retirement funds. However, as the actuary for the funds, we needed to distribute the assets in order to determine the District contribution for fiscal years 1999 and 2000. During the interim years, we distributed the $\$ 1.275$ billion in proportion to the Present Value of Future District Benefits (Option I below). It should be noted that this method was solely for the purpose of determining the District contribution and was not intended to represent the actual assets in each fund individually, though they did represent the TOTAL
amount of District assets.

On April 30, 1999, the asset transfer to the U.S. Treasury occurred. In conjunction with the actuarial valuation, the Board was presented with four options for distributing the $\$ 1.275$ billion,


- Option 1: Distribute based on Total District Liability

This method distributes the October 1, 1997 assets in proportion to the October 1, 199 Present Value of Future District Benefits.

- Option 2: Distribute based on Net District Liability

This method is similar to Option 1, except that assets are distributed in proportion to the Pesent Value of Future District Benefits less the Present Value of Future Emplote Contributions as of October 1, 1997

- Option 3: Distribute based on Projected Fiscal Year 1999 Contribution

This method distributes the October 1, 1997 assets so that the actual Fiscal Year 1999 istrict paym projected District payment performed during the development of DCRPA '97.

- Option 4: Distribute based on Historical Allocation

This method distributes the assets so that the proportion of the assets in the Teachers and Police/Fire Funds after the transfer to the U.S. Treasury is the same as the proportion of the assets before the transfer
During the January 20, 2000 Board meeting, Option 4 was adopted.

## Distribution of the Actuarial Value of District Assets (cont.)

Note that the Board is required by law to certify to the Mayor a District payment in Decembe prior to when the discussion of the distribution of District assets could be completed. Therefore, we presented the Board with a certification based on the preliminary asset distribution.

Tables II-3 and II-4 on the following two pages illustrate the development of the distribution of the actuarial value of assets between Teachers, Police Officers, and Fire Fighters. Table II-3 develops the distribution of the current value of assets, which is used to subsequently determine the distribution of the actuarial value of assets, which is shown in Table II-4
The fiscal year 1999 employee and District contributions were provided by the Board for all three classes of employees. However, these contributions were not split between police officers and fire fighters. We allocated the employee contributions between police officers and fire fighter based on payroll. The allocation of the fiscal year 1999 Police/Fire District contribution of $\$ 35$ million was provided by the District.

With regards to allocating fiscal year 1998 and 1999 benefit payments, participants who retired after the freeze date of June 30,1997 have benefits which are partly the responsibility of the District of Columbia. Benefit payments attributable to the District of Columbia were estimate based on our understanding of the legislation. It is also our understanding that the District wil reimburse the U.S. Treasury for their payments to District annuitants while benefit splits are being determined.

Finally, for the purpose of determining the preliminary Current Value of Assets, the investment income for the periods October 1, 1998 through September 30, 1999 was derived for the fund in total. Investment earnings were allocated so that each fund received approximately the same rate of return, factoring in the net cash flows. Small differences in the rate of return occur because of rounding.

| Distribution of the Current Value of District <br> Assets as of October 1, 1999 <br> (Dollars in Millions) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ! |  | $\begin{aligned} & \text { Teachers } \\ & \text { Eund } \end{aligned}$ | Police | Fire | Police/ Fire Eund | Total |
|  | Distribution of the Current Value of Assets as of October 1, 1998 | \$461.0 | \$657.9 | \$268.8 | \$926.7 | \$1,387.7 |
| 2. | FY99 District Contributions | 18.6 | 24.6 | 10.5 | 35.1 | 53.7 |
| 3. | FY99 Employee Contributions ${ }^{1}$ | 20.8 | 11.5 | 4.1 | 15.6 | 36.4 |
| 4. | FY99 Estimated Benefit Payments | (0.7) | (0.4) | (1.2) | (1.6) | (2.3) |
|  | FY99 Estimated Investment Earnings | 8.2 | 12.8 | 46.0 | 158.8 | 239.1 |
|  | Preliminary Distribution of the Current <br> Value of Assets as of October 1,1999 2 | \$580.0 | \$806.4 | \$328.2 | \$1,134.6 | \$1,714.6 |
|  | Final Distribution of the Current Value of Assets as of October 1, 1999 2 | \$726.9 | \$701.5 | \$286.2 | \$987.7 | \$1,714.6 |
|  | Approximate Rate of Return | 16.4\% | 16.4\% | 16.4\% | 16.4\% | 16.4\% |

The employee contributions for police officers and fire fighters were allocated based on their valuation earnings.
$=$ The preliminary distribution of assets was based on an interim method of distributing the $\$ 1.275$ billion between the Teachers' and Police/Fire retirement funds. This interim method was based on distributing the October 1 , 1997 assets based on the Present Value of Future District Benefits as of October 1, 1997 (Option 1 on page II-4). The final distribution of assets reflects the Retirement Board's decision to distribute the October 1, 1999 assets in proportion to the Historical allocation. The difference between the preliminary and final assets does not represent a transfer of assets, but rather an adjustment to past practice to be consistent with the Board's decision. Refer to page II-4 for more details.


## Present Value of Future District Retirement Benefits

In this subsection, we detail the calculation of the present value of future District enefits. This calculation is necessary for developing the fiscal year 2001 Distric payment

The present value of future benefits represents the total lump sum
 urrent members (including inactive members) considering expected future salary increases, service credits, employment termination, and mortality.

Pursuant to DCRPA '97, the federal government becomes responsible for benefits tibutable to service prior to June 30,1997 including any increase in benefit the present value of future Federal benefits.

The difference between the present value of future benefits and the total號 uture District benefits.

| Present Value of Future District Benefits <br> as of October 1, 1999 <br> (Dollars in Millions) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  | Teachers Fund | Police | Fire | Police Fire Fund | Total |
| 1. Present Value of Future Benefits | \$3,873.9 | \$5,431.7 | \$2,074.4 | \$7,506.1 | \$11,380.0 |
| 2. Present Value of Future Federal Benefits | \$3,071.4 | \$4,098.1 | \$1,540.7 | \$5,638.8 | \$8,710.2 |
| 3. Present Value of Future District Benefits (1.-2.) | \$802.5 | \$1,333.6 | \$533.7 | \$1,867.3 | \$2,669.8 |

For the purpose of calculating the Present Value of Future District benefits, the present value of Future Federal Benefits is calculated using the assumptions approved by the District of Columbia of Future Board, as described in Appendix B.

## Present Value of Accrued District Retirement Benefits

In Table II-6, we disclose the accumulated liability of the Fund if everyone stopped working or if the programs were terminated.
The present value of accrued benefits represents the total lump sum value on the valuation date which would be sufficient to pay for all benefit accrued accrued to the valuation date.

We have one comment on the present value of accrued benefits. The fact that plan assets exceed these liabilities does not constitute "overfunding". Under the funding method employed by the plan (and by most public sector plans), liabilities accruing each year are not paid for as earned in that year. Rather, benefits are funded in a way as to maintain a level funding pattern (as a percent of pay) between the valuation date and retirement date. Therefore, assets are expected to exceed liabilities accrued to date early in a member's career in order to avoid a dramatic escalation in costs for benefits earned late in a member's career (when age and salary are highest).

|  |  |  |  |  |  | Table II-6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Present Value of Accrued District Benefits as of October 1, 1999 <br> (Dollars in Millions) |  |  |  |  |  |  |
|  |  | Teachers Fund | Police | Fire | Police/ Fire Fund | Total |
| 1. | Present Value of Accrued <br> District Benefits as of October 1, 1999 | S12̧. 2 | \$237.3 | \$113.4 | \$350.7 | \$473.9 |
| 2. | Actuarial Value of Assets as of as of October 1, 1999 (Table II-4) | \$691.0 | \$660.3 | \$268.8 | \$929.1 | \$1,620.1 |
| 3. | Unfunded Present Value of Accrued District Benefits (1. - 2., not less than zero) | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |

## Section III Contributions

In this section, we develop the fiscal year 2001 District payment. The normal contribution rate developed is a percentage of active member payroll. The dollar amount of the Distric payment is determined by applying the contribution rate to the projected payroll for fiscal year 2001.

An actuarially sound funding method is designed so that the benefits of the current workforce will be completely paid for (i.e. funded) by the time they leave employment due to retirement, disability, death, withdrawal, etc. The first step in this process is to determine the present value, as of the valuation date, of all future benefits payable from the retirement funds. In the District's case, this figure is the present value of futur District benefits developed in Table II-5.

The present value of future District benefits will be funded from three sources: assets, future employee contributions, and future District contributions. The assets, of course, are known as of the valuation date. For these purposes, actuaries commonly use an actuarial value of assets.

An actuarial value of assets is a "smoothed market value" and is used to keep th contribution rate from fluctuating due to sudden upswings or downturns in the financial markets. As mentioned earlier in this report, the Board has elected to use an actuarial value of asset method for determining the fiscal year 2001 District contribution.
The second source for paying future benefits is current employee contributions. These are specified as a fixed percentage of future pay ( $7 \%$ or $8 \%$, depending upon hire date). Future District contributions must make up any difference between the future District benefits and the actuarial value of assets plus future employee contributions. Thus, the presen value of future District contributions is the present value of future District benefits less the actuarial value of assets less the present value of future employee contributions.

The future District contributions are spread over future payroll of the workforce to determine the normal contribution rate. The District contribution applicable to the fiscal year is the normal contribution rate times the projected payroll.

Finally, the District payment, for the first time, reflects the adjustment pursuant to §1-784.2(c) of the D.C. Code. Further explanation of this adjustment can be found on page III-3.

## Development of the Fiscal Year 2001 District Payment

Table III-1 shows the development of the fiscal year 2001 District payment that was certified during he December 1999 Board meeting. At the time of the certification, the distribution of assets wa based on a preliminary actuarial value of assets.

|  |  |  |  |  | II-1 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| District of Columbia Certified Fiscal Year 2001 Payment (Dollars in Millions) |  |  |  |  |  |
|  | Teachers Eund | Police | Fire | $\begin{gathered} \text { Police/ } \\ \text { Fire } \\ \text { Eund } \end{gathered}$ | Total |
| 1. Present Value of Future District Benefits | \$802.5 | \$1.333.6 | \$533.7 | \$1,867.3 | \$2,669.8 |
| 2. Preliminary Distribution of the Actuarial Value of Assets | 8544.1 | \$765.2 | \$310.8 | \$1,076.0 | \$1,620.1 |
| 3. Present Value of Future Employee Contributions | \$196.7 | \$156.2 | \$53.8 | \$210.0 | \$406.7 |
| 14. Present Value of Future Normal Costs [ (1) - (2) - (3), not less than \$0] | \$61.7 | \$412.2 | \$169.1 | $\$ 581.3$ | NA |
| 5. Present Value of Future Payroll | \$2,732.9 | \$2,190.7 | \$757.9 | \$2,948.6 | NA |
| 6. Normal Contribution Rate [(4)/(5)] | 2.3\% | 18.8\% | 22.3\% | 19.7\% | 10.1\% |
| 7. Projected FY 2001 Payroll | \$291.4 | \$175.1 | \$63.2 | \$238.3 | \$529.7 |
| 8. FY 2001 District Payment before $\$ 1-784.2(c)$ [(6) ${ }^{\text {(7) }}$ ] | \$6.6 | \$32.9 | \$14.1 | \$47.0 | \$53.6 |
| 9. D.C. Code §1-784.2(c) Adjustment | (\$6.4) | \$0.7 | (50.3) | \$0.4 | NA |
| 10.FY 2001 District Payment [(8)+(9), not less than \$0] | \$0.2 | \$33.6 | \$13.8 | \$47.4 | \$47.6 |

Table III-2 shows the development of the fiscal year 2001 District payment which reflects the Board's January 20, 2000 decision to distribute assets based on the historical distribution.

| District of Columbia Revised Fiscal Year 2001 Payment (Dollars in Millions) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Teachers Eund | Police | Fire | Police/ Fire Fund | Total |
| 11. Present Value of Future District Benefits | \$802.5 | \$1,333.6 | \$533.7 | \$1,867.3 | \$2,669.8 |
| 2. Final Distribution of the Actuarial Value of Assets | \$691.0 | \$660.3 | \$268.8 | \$929.1 | \$1,620.1 |
| 3. Present Value of Future Employee Contributions | \$196.7 | \$156.2 | \$53.8 | \$210.0 | \$406.7 |
| 4. Present Value of Future Normal Costs [ (1)-(2)-(3), not less than \$0] | \$0.0 | \$517.1 | \$211.1 | \$728.2 | NA |
| 5. Present Value of Future Payroll | \$2,732.9 | \$2,190.7 | \$757.9 | \$2,948.6 | NA |
| 6. Normal Contribution Rate [(4)/(5)] | 0.0\% | 23.6\% | 27.9\% | 24.7\% | 11.1\% |
| 7. Projected FY 2001 Payroll | \$291.4 | \$175.1 | \$63.2 | \$238.3 | \$529.7 |
| 8. FY 2001 District Payment before $\$ 1-784.2(c)$ ( $(6) \mathrm{x}$ (7)] | S0.0 | \$41.3 | \$17.6 | 558.9 | 8.9 |
| 9. D.C. Code \$1-784.2(c) Adjustment | (\$6.4) | \$0.7 | (50.3) | \$0.4 | NA |
| 10. FY 2001 District Payment [(8)+(9), not less than \$0] | \$0.0 | \$42.0 | \$17.3 | \$59.3 | \$59.3 |

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## §1-784.2(c) Adjustment to the Fiscal Year 2001 District Payment

Beginning in fiscal year 2001, the District payment was adjusted pursuant to §1-784.2(c) of the D.C. Code. 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 §1-784.2(c) adjustment to the fiscal year 2001 District payment is calculated by taking the actual fiscal year 1999 covered payroll for each employee class (which is provided by the District) and then multiplying by the fiscal year 1999 normal contribution rate for each employee class, which were certified in our October 1, 1997 report. This result gives the fiscal year 1999 contribution that was required to be made by the District. The required contribution is then compared to the fiscal year 1999 contribution that was actually paid by the District. The difference between the required and actual contributions is the §1-784.2(c) adjustment. A negative difference translates to a District overpayment, while a positive difference translates to a District contribution shortfall

Table III-3 shows the development of the §1-784.2(c) adjustment for each employee class.

## District of Columbia

D.C. Code §1-784.2(c) Adjustment to the FY 2001 Payment

| (Dollars in Millions) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
|  | Teachers |  |  | Fire |
|  | Fund | Police | Fire | Fund |
| 1. Actual FY 1999 Covered Payroll | \$264.8 | \$159.1 | \$54.4 | \$213.5 |
| 2. FY 1999 Normal Contribution Rate | 4.6\% | 15.9\% | 18.7\% | 16.6\% |
| [3. Actual FY 1999 Contribution Required | \$12.2 | \$25.3 | \$10.2 | \$35.5 |
| 14. Actual FY 1999 Contribution Paid | \$18.6 | \$24.6 | \$10.5 | \$35.1 |
| 5. §1-784.2(c) Adjustment to FY 2001 Payment | (86.4) | S0.7 | (S0.3) | \$0.4 |

Appendices

| Appendix A | Membership Data and Profile |
| :--- | :--- |
| Appendix B | Actuarial Assumptions and Procedures |
| Appendix C | Summary of the Provisions of the Programs |
| Appendix D | GASB Disclosures |

## Table of Contents

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D. Teachers, Police, and Fire Service and Salary Distributions by Age ..... 4-9E. Teachers, Police, and Fire Benefit Payment Distributions by Age10-18

The District of Columbia provided the actuary with membership data as of June 30, 1999. Assumptions were made on elements missing from the data provided.

In this Appendix, we present a review of the current membership statistics. Section A presents the program performance data. Section B summarizes key active membership statistics. Section C contains the assumptions made for the various components of the data.

## A. Retired Membership Statistics (as of June 30, 1999)

| Average Annuity by Retirement Type: Total Benefits |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Teachers | Police | Fire |
| Number of Service Retirements | 4,134 | 3,023 | 884 |
| Average Service Annuity | \$31,440 | \$36,081 | \$43,692 |
| Number of Disability Retirements | 539 | 1,427 | 625 |
| Average Disability Annuity | \$22,656 | \$33,260 | \$37,927 |
| Number of Survivors | 425 | 1,164 | 491 |
| Average Survivor Annuity | \$13,507 | \$17,825 | \$20,334 |
| Average Annuity by Retirement Type: Federal Benefits ${ }^{1}$ |  |  |  |
|  | Teachers | Police | Fire |
| Number of Service Retirements | 4,134 | 3,023 | 884 |
| Average Service Annuity | \$31,352 | \$35,982 | \$43,633 |
| Number of Disability Retirements | 539 | 1,427 | 625 |
| Average Disability Annuity | \$21,876 | \$32,925 | \$36,472 |
| Number of Survivors | 425 | 1,164 | 491 |
| Average Survivor Annuity | \$13,507 | \$17,825 | \$20,334 |

- Includes participants who are the responsibility of both the Federal and District governments.

Average Annuity by Reir the: Join Federal \& Distict

|  | Teachers | Police | Fire |
| :--- | ---: | ---: | ---: |
| Number of Service Retirements | 331 | 186 | 27 |
| Average District Service Annuity | $\$ 1,099$ | $\$ 1,612$ | $\$ 1,936$ |
| Average Federal Service Annuity | $\$ 31,263$ | $\$ 38,708$ | $\$ 48,429$ |
| Number of Disability Retirements | 19 | 45 | 40 |
| Average District Disability Annuity | $\$ 22,139$ | $\$ 10,616$ | $\$ 22,728$ |
| Average Federal Disability Annuity | $\$ 584$ | $\$ 18,285$ | $\$ 15,870$ |
| Number of Survivors | 0 | 0 | 0 |
| Average District Survivor Annuity | $\$ 0$ | $\$ 0$ | $\$ 0$ |
| Average Federal Survivor Annuity | $\$ 0$ | $\$ 0$ | $\$ 0$ |

## B. Active Membership Statistics (as of June 30. 1999)

| Employee Class | Average | Average | Average |
| :--- | ---: | ---: | ---: |
| Teachers | Age | Service | Salary |
| Police | 47.2 | 16.5 | $\$ 45,900$ |
| Fire | 36.6 | 11.7 | $\$ 47,900$ |

## C. Data Assumptions

The following assumptions were made with respect to information provided by the District of Columbia
(a) Active Members

Data for active members was predominantly used as provided by the District. No active police officers or fire fighters were eliminated from the data. Thirteen teachers were eliminated because their information was not valid.
(b) Former Members

The data submitted for former members included participants who have withdrawn their contributions and are no longer entitled to a deferred benefit. After further investigation and consultation with staff members of the Board, we have made the following assumptions regarding former Members:

## Teachers.

An examination of a little more than one-third of the records of former teachers on file yielded nine teachers who are entitled to a deferred benefit. Consequently, we have assumed that there are 25 fealhers $\$ 488$ and a final salary of $\$ 48,720$.

Police/Fire
Since practically all police officers and fire fighters withdraw their contributions if they terminate prior to retirement, we have assumed that there are no police officers or fire fighters with a deferred vested benefit
(c) Retired Members

All retired members whose sex was not on file were designated by the letter C. These retirees were assumed to be all male (with female spouses) for the police officers and fire program and assumed to be all female (with male spouses) for the teachers' program. The date of retirement appears to be given in the date of entry-of-duty field, the field where date of hire is given for active members. Members are assumed to have recovered all contributions if they have been receiving benefits for more than 3 years (teachers) or 2 years (police/fire)


DISTRICT OF COLUMBIA RETIREMENT BOARD
TEACHERS' RETIREMENT FUND
SCHEDULE OFAVERAGE SALARIES FOR ACTIVES HIRED BEFORE NOVEMBER 16, 1996



| SCHEDULE OF ACTIVE POLICE OFFICERS HIRED ON OR AFTER NOVEMBER 10, 1996 YEARS OF SERVICE |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0 to 4 | 5 to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 to 39 | Over 40 | Total |
| Under 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 |
| 20 to 24 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| 25 to 29 | 217 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 217 |
| 30 to 34 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 35 to 39 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 40 to 44 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 45 to 49 | 2 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 |  |
| 50 to 54 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 55 to 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 60 to 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Over 65 | 0 | $\bigcirc$ | - | $\bigcirc$ | 0 | $\bigcirc$ | Q | Q | Q |  |
| Total | 412 | 0 | 0 | 0 | 0 | ${ }_{0}$ | 0 | 0 | 0 | 412 |


| SCHEDULE OF ALL ACTIVE POLICE OFFICERSYEARS OF SERVICE |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0 to 4 | 5 to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 to 39 | Over 40 | Tota |
| Under 20 | 0 | , | - | 0 | 0 | 0 |  |  |  |  |
| 20 to 24 | 61 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 |
| 25 to 29 | 232 | 166 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 416 |
| 30 to 34 | 100 | 539 | 363 | 1 | 0 | 0 | 0 | 0 | 0 | 1,003 |
| 35 to 39 | 33 | 247 | 566 | 105 | 0 | 0 | 0 | 0 | 0 | 951 |
| 40 to 44 | 10 | 59 | 159 | 220 | 57 | 15 | 0 | 0 | 0 | 520 |
| ${ }^{45} 5049$ | 2 | , | 7 | 81 | 93 | 137 | 13 | 0 | 0 | 334 |
| 50 to 54 | 3 | 1 | 0 | 5 | 14 | 70 | 56 | 0 | 0 | 149 |
| 55 to 59 | 0 | 0 | 0 | 0 | - | 14 | 18 | 2 | 0 | 34 |
| 60 to 64 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 |  |
| Over 65 | $\stackrel{0}{0}$ | 7 | ${ }^{\circ}$ |  |  | 0 | 0 | 0 | $\bigcirc$ | 0 |
| Total | 442 | 1.017 | 1.113 | 412 | 164 | 236 | 91 |  | 0 | 3.479 |



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MILLIMAN \& ROBERTSON, INC.


MILLIMAN \& ROBERTSON, INC.

| DISTRICT OF COLUMBIA RETIREMENT BOARD TEACHERS' RETIREMENT FUND |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| AGE-BENEFIT DISTRIBUTION |  |  |  |  |  |
| benefits payable by the district of columbia |  |  |  |  |  |
|  |  | Annual |  |  | Annua |
| ${ }_{\text {ARe }}$ | Count | Benefits | Age | Couns | ${ }^{\text {Benefits }}$ |
| 25 | 0 | 0 | 59 | 5 | S44921 |
| 26 | 0 | 0 | 51 | 6 | 565,073 |
| 27 | 0 | 0 | 52 | 6 | 570.766 |
| 28 | 0 | 0 | 53 | 11 | \$10,626 |
| 29 | 0 | 0 | 54 | 6 | 547,541 |
| 30 | 0 | 0 | 55 | 18 | 90,244 |
| ${ }_{32}^{31}$ | $\bigcirc$ | $\bigcirc$ | ${ }_{57}^{56}$ | ${ }_{4}^{43}$ | 78,297 |
| 33 | 0 | 0 | 58 | 36 | 35,834 |
| 34 | 0 | 0 | 59 | 30 | 58,814 |
| 35 | 0 | 0 | 60 | ${ }^{21}$ | 41,444 |
| 36 | 0 | 0 | 61 | 27 | ${ }^{30,026}$ |
| 37 | 0 | 0 | 62 | 19 | 17,079 |
| 38 | 0 | 0 | 63 | 19 | 24,310 |
| 39 | 0 | 0 | 64 | 8 | 7.250 |
| ${ }_{41}^{40}$ | 0 | 0 | ${ }_{6}^{65}$ | ${ }^{6}$ | 5,119 |
| ${ }_{42}^{41}$ | 0 | 0 | ${ }_{6}^{66}$ | 7 | 8,004 |
| 43 | 0 | 0 | 68 | ${ }_{4}^{8}$ | ¢, ${ }_{4}^{6,386}$ |
| 44 |  | 0 | 69 |  |  |
| ${ }_{4}^{45}$ | 0 | 0 | 70 | 5 | ${ }_{6,524}$ |
| ${ }_{47}^{46}$ | $\stackrel{0}{0}$ | 21,276 | 71 | $\frac{1}{0}$ | 1,236 |
| 48 | 0 | - | 73 | 0 | 0 |
|  |  |  | 74 | 2 | 2.175 |
|  |  |  | Totas: | 350 | 5784,510 |

benefits payable by the federal government

| Age | Count | Annual <br> Benefits | Age | Count | Annual Benefits |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Under 24 | 48 | \$102,456 | 69 | 199 | 5,908,596 |
| 25 | 0 | 0 | 70 | 196 | 5.520,124 |
| 26 | $!$ | 1,020 | 71 | 149 | 4,047,084 |
| 27 | 0 | 0 | 72 | 158 | $4,515,984$ |
| 28 | 0 | 0 | 73 | 183 | $5,181,276$ |
| 29 | 2 | 5,340 | 74 | 137 | \$3,764,037 |
| 30 | 1 | 1,368 | 75 | 135 | 3,728,352 |
| 31 | 2 | 42,156 | 76 | 129 | 3,451,692 |
| 32 | 1 | 35,076 | 77 | 149 | 4,292,496 |
| 33 | 0 | 0 | 78 | 127 | 3,584,436 |
| 34 | 1 | 1,368 | 79 | 123 | 3,681,276 |
| 35 | 1 | 33,624 | 80 | 110 | $3,177,840$ |
| 36 | 0 | 0 | 81 | 83 | 2,436,060 |
| 37 | 1 | 30,000 | 82 | 117 | 3,423,264 |
| 38 | 4 | 56,784 | 83 | 91 | 2,644,164 |
| 39 | 2 | 55,560 | 84 | 94 | 2,852,928 |
| 40 | 2 | 21,120 | 85 | 81 | 2,268,732 |
| 41 | 1 | 4,536 | 86 | 70 | 2,204,784 |
| 42 | 1 | 13,224 | 87 | 72 | 2,232,576 |
| 43 | 6 | 59,148 | 88 | 67 | 2,121,744 |
| 44 | 5 | 33,576 | 89 | 56 | 1,760,568 |
| 45 | 0 | 0 | 90 | 43 | 1,436,316 |
| 46 | 1 | 14,880 | 91 | 48 | 1,508,508 |
| 47 | 5 | 83,520 | 92 | 53 | 1,900,320 |
| 48 | 5 | 66,192 | 93 | 34 | 1,207,980 |
| 49 | 11 | 95,110 | 94 | 25 | 928,680 |
| 50 | 10 | 143,659 | 95 | 26 | 889,080 |
| 51 | 18 | 314,571 | 96 | 17 | 594,228 |
| ${ }_{53}$ | $\stackrel{25}{50}$ | 393,622 | 97 | 14 | 447,864 |
| 53 | 50 | 1,096,578 | 98 | 7 | 287,136 |
| 54 | ${ }_{51} 2$ | 643,887 | 99 | 17 | 182,028 |
| 55 56 | 51 91 | $1,099,304$ 2,41463 | 100 \& Over | 17 | 540,972 |
| 57 | 124 | 3,467,797 |  |  |  |
| 58 | 118 | 3,481,474 |  |  |  |
| 59 | 119 | 3,501,643 |  |  |  |
| 60 | 113 | 3,484,672 |  |  |  |
| 61 | ${ }^{151}$ | 4,717,162 |  |  |  |
| 62 | ${ }^{156}$ | 4,900,257 |  |  |  |
| 63 | 173 | 5,264,678 |  |  |  |
| ${ }_{6}^{64}$ | 184 | 5,790,730 |  |  |  |
| 65 | 184 | 5,480,009 |  |  |  |
| 66 | 197 | 6,312,180 |  |  |  |
| 67 | 184 | 5,517,796 |  |  |  |
| 68 | 202 | 5,638,746 |  |  |  |
|  |  |  | Totals: | 5.098 | S147,140,411 |

\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{6}{|c|}{DISTRICT OF COLUMBIA RETIREMENT BOARD POLICE OFFICERS' RETIREMENT FUND} <br>
\hline \multicolumn{6}{|c|}{AGe-benefit distribution} <br>
\hline \multicolumn{6}{|c|}{benefits Payable in total} <br>
\hline Age \& Count \& Annual
Beneits \& Age \& Count \& Annual
Benefits

a <br>
\hline Under 24 \& 131 \& \$289,356 \& 69 \& 94 \& \$3,248,409 <br>
\hline 25 \& 0 \& 0 \& 70 \& 78 \& 2,712,682 <br>
\hline ${ }_{27}^{26}$ \& 2 \& 3,372
7,944
3, \& 71
72 \& ${ }_{117}$ \& $3,259,581$
$4,274,106$
3,154 <br>
\hline 28 \& 2 \& 3,756 \& 73 \& 84 \& 3,114,584 <br>
\hline 29 \& 1 \& 16,944 \& 74 \& 79 \& 2,763,474 <br>
\hline 30 \& 4 \& 47,364 \& 75 \& 76 \& 2,678,513 <br>
\hline 31 \& 3 \& 41,004 \& 76 \& 75 \& 2,430,178 <br>
\hline 32 \& 5 \& 78,216 \& 77 \& 61 \& 1,967,245 <br>
\hline 33 \& 6 \& 104,268 \& 78 \& 60 \& 1,828,997 <br>
\hline 34 \& 3 \& 47,232 \& 79 \& $\stackrel{44}{56}$ \& 1,443,477 <br>
\hline 35
36 \& 4 \& 90,192
48.060 \& 80
81 \& 56
63 \& 1,706,563 <br>
\hline 37 \& 11 \& 152,592 \& 82 \& 49 \& 1,634,259 <br>
\hline 38 \& 7 \& 116,808 \& 83 \& 52 \& 1,412,629 <br>
\hline 39 \& 11 \& 195,984 \& 84 \& 51 \& 1,783,589 <br>
\hline 40 \& 13 \& 187,560 \& 85 \& 54 \& 1,670,933 <br>
\hline 41 \& 13
19 \& 198,911 \& 86 \& 29 \& 746,882 <br>
\hline 42
43 \& 19
25 \& 371,871
590,950 \& 87
88 \& 33
33 \& $1,107,769$
958,171 <br>
\hline 44 \& 38 \& 1,061,172 \& 89 \& 23 \& 676,270 <br>
\hline 45 \& 48 \& 1,344,066 \& 90 \& 23 \& 588,079 <br>
\hline 46
47 \& 76

107 \& | $2,165.828$ |
| :--- |
| 3,161478 | \& 91 \& 18 \& ${ }^{607,768}$ <br>

\hline 48 \& 161
107 \& $3,161,478$
$4,765,492$ \& ${ }_{93}^{92}$ \& 10
13 \& 217,747
364,592 <br>
\hline 49 \& 172 \& 5,165,024 \& 94 \& 7 \& 222,603 <br>
\hline 50 \& 196 \& 6,315,982 \& 95 \& \& 174,400 <br>
\hline 51
52 \& 214
303 \& 6,694,829
9.599 .569 \& ${ }_{97}^{96}$ \& ${ }_{5}^{4}$ \& 97,791 <br>
\hline 52
53 \& 303
364 \& $9,599,569$
$12,219,527$ \& 97

98 \& 5 \& | 106,779 |
| :---: |
| 15,276 | <br>

\hline 54 \& 224 \& 7,288,641 \& 99 \& 2 \& 32,580 <br>
\hline 55 \& 227 \& 7,575,194 \& 100 \& Over \& 4 \& 92,243 <br>
\hline 56 \& 205 \& 6,700,909 \& \& \& <br>
\hline 57
58 \& 204
167 \& 5,698,899
$5,721,196$ \& \& \& <br>
\hline 59 \& 150 \& 5,071,037 \& \& \& <br>
\hline 60 \& ${ }^{173}$ \& 5,891,799 \& \& \& <br>
\hline 61 \& 153 \& 4,956,494 \& \& \& <br>
\hline 62
63 \& 155
121 \& 5,183,571
$4,032,476$ \& \& \& <br>
\hline 64 \& 139 \& \& \& \& <br>
\hline 65 \& 114 \& 3,957,714 \& \& \& <br>
\hline 66 \& 92 \& 3,075,414 \& \& \& <br>
\hline 68 \& 76 \& ${ }_{2}^{2,633,512}$ \& \& \& <br>
\hline \& \& \& Totals: \& 5.614 \& S177,282,398 <br>
\hline \& \& \& \& \& <br>
\hline
\end{tabular}

DISTRICT OF COLUMBIA RETIREMENT BOARD POLICE OFFICERS' RETIREMENT FUND

AENEFITS PAYABLE BY THE DISTRICT OF COLUMBIA

| Age | Count | Annual |  |  | Annual |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Under 24 | 0 | so | 4 | coma | Benefit |
| 25 | 0 | 0 | 45 | 13 | ${ }_{3} 31.215$ |
| 26 | 0 | 0 | 46 | 18 | ${ }_{16.487}$ |
| 27 | 0 | 0 | 47 | 22 | 4,110 |
| 28 | 0 | 0 | 48 | 20 | 4,215 |
| 29 | 1 | 16.692 | 49 | 20 | 1,644 |
| 30 31 | $\bigcirc$ | $\bigcirc$ | 50 | 17 | 2,400 |
| 32 | 2 | 47.340 | 5 | 16 | 5,101 |
| 33 | 3 | 53,016 | 53 | 12 | 1,535 |
| 34 | 1 | 21.528 | 54 | 8 | 680 |
| 35 | 3 | 33,072 | 55 | 6 | ${ }_{231}$ |
| ${ }_{37}^{36}$ | 1 | 21.588 | 56 | ${ }^{2}$ | 3,101 |
| 37 38 | ${ }_{1}^{2}$ | $\underset{\substack{36,168 \\ 18.048}}{ }$ | 57 | 7 | 409 |
|  |  |  |  |  |  |
| ${ }_{40}^{39}$ | 3 | 42.540 |  |  |  |
| 41 | 2 | 47,088 |  |  |  |
| 42 | 3 |  |  |  |  |
| 43 | 10 | 32,277 |  |  |  |
|  |  |  | Totals: | 231 | S490.809 |



MILLIMAN \& ROBERTSON, INC

| DISTRICT OF COLUMBIA RETIREMENT BOARD POLICE OFFICERS' RETIREMENT FUND |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| BENEFITS PAYABLE BY THE FEDERAL GOVERNMENT |  |  |  |  |  |
| Age | Count | Annual Benefits | Age | Count | $\underset{\substack{\text { Annual } \\ \text { Benefits }}}{ }$ |
| Under 24 | 131 | \$289,356 | ${ }_{69}$ | ${ }_{94}$ | \$3,248,409 |
| ${ }_{26}^{25}$ | 0 | ${ }_{3}{ }^{0}$ | 70 | 78 88 | 2,712,682 |
| ${ }_{27}^{26}$ | 2 | 3,372 7,944 | 71 72 | 89 117 | $3,259,581$ 4 47274106 |
| 28 | 2 | 3,756 | 73 | 84 | ${ }_{3}^{4,2144,584}$ |
| 29 | 1 | 252 | 74 | 79 | 2,763,474 |
| 30 31 | 4 | 47,364 41,004 | 75 76 | 76 75 | 2,678,513 |
| 32 | 5 | 30,876 | 77 | 61 | ${ }^{2,430,178} 1$ |
| 33 | 6 | 51,252 | 78 | 60 | 1,828,997 |
| 34 | 3 | 25,704 | 79 | 44 | 1,443,477 |
| $\begin{array}{r}35 \\ 36 \\ \hline\end{array}$ | 5 | 57,120 | 80 | 56 | 1,706,563 |
| 37 | 11 | -116,424 | 81 82 | 63 49 | $2,022,950$ 1,634259 |
| 38 | 7 | 98,760 | 83 | 52 | 1,412,629 |
| 39 | 11 | 153,444 | 84 | 51 | 1,783,589 |
| ${ }_{41}^{40}$ | 13 13 | 187,560 151823 | 85 | 54 | 1,670,933 |
| 42 | 19 | 151,823 371,871 | 86 87 | ${ }_{33}^{29}$ | 746,882 1,107769 |
| 43 | 25 | 558,673 | 88 | 33 | 958,171 |
| 44 | 38 | 1,011,094 | 89 | 23 | 676,270 |
| 45 46 | 48 76 | 1,121,851 | 90 | 23 18 18 | 588,79 |
| 47 | 107 | ${ }_{3}^{2}, 157,368$ | 92 | 18 10 | 607,768 217,747 |
| 48 | 161 | 4,761,277 | 93 | 13 | 364,592 |
| 49 | 172 | 5,163,380 | 94 | 7 | 222,603 |
| 50 | 196 | 6,313,582 | 95 | 7 | 174,400 |
| 52 | 214 303 | $\xrightarrow{6,689,728} 9$ | 96 97 | 4 | $\begin{array}{r}97,791 \\ \hline 106779\end{array}$ |
| 53 | 364 | 12,217,992 | 98 | 1 | 106,779 15.276 |
| 54 | 224 | 7,287,961 | 99 | 2 | 32,580 |
| 55 56 | 227 205 | $7,574,963$ 6,697808 | 100 \& Over | 4 | 92,243 |
| 57 | 204 | 6,698,490 |  |  |  |
| 58 | 167 | 5,721,196 |  |  |  |
| 59 | 150 | 5,071,037 |  |  |  |
| 60 61 | 173 153 | $5,891,799$ 4.956494 |  |  |  |
| 62 | 155 | ${ }_{5,183,571}^{4,51}$ |  |  |  |
| 63 | 121 | 4,032,476 |  |  |  |
| ${ }_{6}^{64}$ | 139 | 4,634,563 |  |  |  |
| 65 66 | 114 92 | $3,957,714$ $3,075,414$ |  |  |  |
| 67 68 | 75 | 2,814,509 |  |  |  |
| 68 | 76 | 2,633,512 |  |  |  |
|  |  |  | Totals | 5,614 | S176,791.589 |
|  |  |  |  |  |  |

MILLIMAN \& ROBERTSON, INC.



| DISTRICT OF COLUMBIA RETIREMENT BOARD FIRE FIGHTERS' RETIREMENT FUND |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| AGE-BENEFIT DISTRIBUTION <br> benefits payable by the federal government |  |  |  |  |  |
|  |  |  |  |  |  |
| Age | Count | Annual Beneitits |  |  | $\underset{\text { Anual }}{\text { Benaits }}$ |
| Under 24 | ${ }_{40}$ | ${ }^{\text {B }}$ S8nefitis | ${ }_{69}$ | ${ }_{44}$ | 1,557,500 |
| 25 | 0 |  | 70 | 54 | 2,019,267 |
| 26 | 0 | 0 | 71 | 42 | 1,784,834 |
| 27 28 | 0 | 0 | 72 | 45 | 1,791,737 |
| 28 | 0 | 0 | 73 | 46 | 1,824,905 |
| 29 | 0 | 0 | 74 | 32 | \$1,303,562 |
| 30 | 1 | 0 | 75 | 44 | 1,661,403 |
| 31 32 | 0 | 0 | 76 77 | 26 32 | $\begin{array}{r}\text { 990,063 } \\ 1,212,978 \\ \hline\end{array}$ |
| 33 | 0 | 0 | 78 | 38 | $1,370,832$ |
| 34 | 0 | 0 | 79 | 35 | 1,162,641 |
| 35 | 2 | 36,060 | 80 | 36 | 1,220,346 |
| 36 | 1 | 20,304 | 81 | 39 | 1,504,159 |
| 37 | 1 | 15,084 | 82 | 33 | 1,222,651 |
| 38 | 2 | 21,304 | 83 | 34 | 1,144,318 |
| 39 | 1 | 12,696 | 84 | 25 | 832,906 |
| 40 | 4 | 50,688 | 85 | 21 | 816,810 |
| 41 | 3 | 50,232 | 86 | 13 | 429,461 |
| 42 | 4 | 60,674 | 87 | 24 | 738,049 |
| 43 | 4 | 29,688 | 88 | 10 | 304,985 |
| 44 | 13 | 20.228 | 89 | 12 | 335,085 |
| 45 46 | 13 21 | 392,743 476,206 | 90 91 | 11 | 447,728 <br> 371.957 |
| 47 | 22 | 564,971 | 92 | 9 | 244.826 |
| 48 | 18 | 520,889 | 93 | 10 | 198,060 |
| 49 | 20 | 587,393 | 94 | 3 | 85,968 |
| 50 51 | 27 | 923,536 877004 | 95 | 3 | ${ }^{83,268}$ |
| 51 52 | 26 37 | 877,004 $1,319,904$ | 96 97 | ${ }_{1}^{2}$ | cri,77 20,100 |
| 53 | 62 | 2,079,728 | 98 | 0 | 20,100 |
| 54 | 67 | 2,513,367 | 99 | 2 | 43.152 |
| 55 56 | 65 | 2,534,560 | 100 \& Over | 2 | 38,005 |
| 57 | 64 | 2,428,135 |  |  |  |
| 58 | 90 | 3,318,660 |  |  |  |
| 59 | 89 | 3,521,914 |  |  |  |
| 60 61 | 89 74 | $3,645,463$ $2,896,852$ |  |  |  |
| 62 | 62 | ${ }_{2}^{2,248,401}$ |  |  |  |
| 63 | 54 | 2,176.595 |  |  |  |
| 64 | 66 | 2,430,023 |  |  |  |
| 65 66 | 49 52 | $1,827,076$ $2,047,634$ |  |  |  |
| 67 68 | 33 | 1,243,842 |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  | 2.000 | \$71,350,740 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

MILLIMAN \& ROBERTSON, INC.

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4. Annual Rates of Withdrawal
5. Annual Rates of Mortality
Teachers

Teachers
Police Officers \& Fire Fighters
6. Annual Rates of Disablement B-5
7. Annual Rates of Retirement
B. Actuarial Procedures

1. Asset Valuation Method
2. Funding Method

## A. ACTUARIAL ASSUMPTIONS

## 1. Annual Rate of Investment Return <br> 7.25\%

2. Annual Increase in Cost-of Living
5.00\%
3. Rates of Salary Increases for Liabilities ${ }^{1}$

| (\% at selected service) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Service | Teachers | $\frac{\text { Police }^{2}}{8}$ | Fire $^{2}$ |  |
| 0 | 8.8 | 8.8 | 8.2 |  |
| 5 | 8.6 | 7.4 | 7.9 |  |
| 10 | 7.6 | 7.2 | 7.6 |  |
| 15 | 6.4 | 6.9 | 7.1 |  |
| 20 | 5.7 | 6.6 | 6.8 |  |
| 25 | 5.4 | 6.0 | 6.5 |  |
| 30 | 5.3 | 5.5 | 6.3 |  |

${ }^{1}$ The rates include an annual assumed general wage increase of $5.0 \%$.
${ }^{2}$ Additional increases are reflected to account for the Base Retention Differential of \% after 20 years of service for police officers and Retention incentives of $5 \%, 10 \%$ and 15\% after 15, 20, and 25 years of service, respectively, for fire fighters.

For participants hired on or after November 10, 1996
Eligibility - Age 60 or 25 years of departmental service and no age requirement.
Benefit $-2.5 \%$ of average pay times departmental service subject to a maximum benefit of $80 \%$ of pay.
6. Disability Retirement

Service-related
Eligibility - disabled as a result of an illness or injury in the line of duty.
Benefit for those 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.

Benefit for those 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

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

Benefit for those hired before February 15, 1980-2\% 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

Benefit for those 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.
7. Deferred Vested Retirement

Eligibility - 5 years of departmental service
Benefit - Normal Retirement benefit beginning at age 55 .
8. Lump Sum Death Benefit

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

Benefit - $\$ 50,000$. Additional amounts will be paid by the Federal government (outside of the retirement fund)

## 9. Installment Benefits Payable upon Death

## Spouse Only

Eligibility - death and married for at least two years or have a child by the marriage.

Benefit - $40 \%$ 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.

## 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 .
Benefit - spouse benefit as described above plus a benefit per child of the smallest of $60 \%$ of average pay divided by the number of children, $\$ 1,548$, and $\$ 4,644$ divided by the number of children; payable until the children are no longer eligible.

## Dependent Children Only

Eligibility - same as the children's benefit above.
Benefit - per child, $75 \%$ of average pay divided by the number of eligible children.

## Refund of Contributions

If no eligible dependent exists, all contributions will be refunded to a named beneficiary.

## 10. 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 Prive Index (All Urban Consumers) from December to December.

## Table of Contents

Page
Teachers' Retirement Program

Police Officers and Fire Fighters' Retirement Program

## Teachers

Number of withdrawals per 1,000 members at selected ages:

| Age | Male | Female |
| ---: | ---: | ---: |
| 25 | 140 | 140 |
| 30 | 80 | 80 |
| 35 | 50 | 50 |
| 40 | 35 | 35 |
| 45 | 28 | 28 |
| 50 | 20 | 20 |
| 55 | 0 | 0 |

Police
Number of withdrawals per 1,000 members at selected ages:

| Age | Male | Female |
| ---: | ---: | ---: |
| 25 | 66 | 66 |
| 30 | 34 | 34 |
| 35 | 17 | 17 |
| 40 | 7 | 7 |
| 45 | 4 | 4 |
| 50 | 0 | 0 |
| 55 | 0 | 0 |

Fire
Number of withdrawals per 1,000 members at selected ages:

| Age | Male | Female |
| ---: | ---: | ---: |
| 25 | 30 | 30 |
| 30 | 10 | 10 |
| 35 | 8 | 8 |
| 40 | 6 | 6 |
| 45 | 5 | 5 |
| 50 | 0 | 0 |
| 55 | 0 | 0 |

## 5. Mortality

Teachers

$$
\begin{array}{ll}
\text { Active Members: } \\
\text { Male } & 1994 \text { Uninsured Pension (UP94) Male Table set forward 1 year } \\
\text { Female } & 1994 \text { Uninsured Pension (UP94) Femaie Table set forward 1 year }
\end{array}
$$

Inactive Healthy Members

| Male | 1994 Uninsured Pension (UP94) Male Table |
| :--- | :--- |
| Female | 1994 Uninsured Pension (UP94) Female Table | Female 1994 Uninsured Pension (UP94) Female Table

Inactive Disabled Members
Number of deaths per 10,000 members at selected ages:

| Age | Male | Female |
| ---: | ---: | ---: |
| 25 | 300 | 300 |
| 30 | 300 | 300 |
| 35 | 300 | 300 |
| 40 | 300 | 300 |
| 45 | 300 | 300 |
| 50 | 307 | 300 |
| 55 | 315 | 300 |
| 60 | 324 | 300 |
| 65 | 332 | 300 |
| 70 | 475 | 300 |
| 75 | 658 | 343 |
| 80 | 901 | 518 |
| 85 | 1,121 | 728 |

## 5. Mortality (continued)

Police Officers \& Fire Fighters
Active Members:

Inactive Healthy Members.
Male
Female
1994 Uninsured Pension (UP94) Male Table set forward 2 years 1994 Uninsured Pension (UP94) Female Table set forward 2 years

Inactive Disabled Members
Number of deaths per 10,000 members at selected ages:

| Age | Male | Female |
| ---: | ---: | ---: |
| 25 | 113 | 70 |
| 30 | 113 | 70 |
| 35 | 113 | 70 |
| 40 | 113 | 70 |
| 45 | 113 | 70 |
| 50 | 113 | 70 |
| 55 | 113 | 70 |
| 60 | 163 | 104 |
| 65 | 237 | 149 |
| 70 | 330 | 214 |
| 75 | 486 | 305 |
| 80 | 812 | 529 |
| 85 | 1,244 | 903 |

Teachers
Number of disablements per 10,000 members at selected ages:

| Age | Male | Female |
| ---: | ---: | ---: |
| 25 | 4 | 4 |
| 30 | 7 | 7 |
| 35 | 12 | 12 |
| 40 | 16 | 16 |
| 45 | 26 | 26 |
| 50 | 40 | 40 |
| 55 | 69 | 69 |
| 60 | 71 | 71 |
| 65 | 0 | 0 |

Police ${ }^{1}$
Number of disabilities occurring per 10,000 members at selected ages:

| Age | Male | Female |
| ---: | ---: | ---: |
| 25 | 26 | 26 |
| 30 | 34 | 34 |
| 35 | 51 | 51 |
| 40 | 75 | 75 |
| 45 | 118 | 118 |
| 50 | 195 | 195 |
| 55 | 341 | 341 |
| 60 | 500 | 500 |
| 65 | 500 | 500 |

1 It is assumed that $50 \%$ of the disabilities are due to accidents in the line of duty

N
6. Disability (continued)

Fire ${ }^{1}$
Number of disabilities occurring per 10,000 members at selected ages:

| Age | Male | Female |
| ---: | ---: | ---: |
| 25 | 40 | 26 |
| 30 | 52 | 34 |
| 35 | 77 | 51 |
| 40 | 113 | 75 |
| 45 | 177 | 118 |
| 50 | 293 | 195 |
| 55 | 520 | 341 |
| 60 | 743 | 500 |
| 65 | 743 | 500 |

1. It is assumed that $50 \%$ of the disabilities are due to accidents in the line of duty.

## 7. Retirement

Teachers
Number of retirements per 1,000 members at selected ages:

|  | First <br> Year <br> Eligible | Subsequent <br> Years <br> Eligible |
| ---: | ---: | ---: |
| Age | -- | -- |
| 45 | 200 | - |
| 50 | 200 | 150 |
| 55 | 400 | 150 |
| 56 | 600 | 150 |
| 57 | 600 | 150 |
| 58 | 600 | 150 |
| 59 | 200 | 200 |
| 60 | 200 | 400 |
| $65{ }^{1}$ | 200 | 1,000 |
| 70 |  |  |

Police Officers \& Fire Fighters
Number of retirements per 1,000 members at selected ages:

|  | Age | Police | Fire |
| :---: | :---: | :---: | ---: |
| 45 | 150 | 60 |  |
| 50 | 230 | 130 |  |
| 55 | 400 | 350 |  |
| 56 | 500 | 350 |  |
| 57 | 500 | 350 |  |
|  | 58 | 500 | 350 |
| 59 | 500 | 350 |  |
| 60 | 1,000 | 1,000 |  |
| 65 | 1,000 | 1,000 |  |
| 70 | 1,000 | 1,000 |  |

Between the ages of 65 and 70 , teachers are assumed to retire at the rate of 200 per 1,000 .

## B. ACTUARIAL PROCEDURES

1. Asset Valuation Method

For purposes of determining the fiscal year 2001 District payment, an actuarial value of assets is used. The actuarial value of assets is equal to the expected market value of assets at September 30, 1999 plus $1 / 3$ of the difference between the expected market value and the actual market value at September 30, 1999.
2. Funding Method

The funding method required by DCRPA ' 97 is the aggregate funding method.

## Summary of Program Provisions:

## District of Columbia Retirement Program for Teacher

## 1. Membership

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 Teachers' Salary 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.
2. Required Member Contributions

Members hired before November 16, 1996 contribute $7 \%$ of annual pay minus any pay received for summer school. Members hired on or after November 16, 1996 contribute $8 \%$ of annual pay minus pay received for summer school.
3. Voluntary Member Contributions

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

## 4. 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 in addition to school service

## 5. Voluntary Retiremen

For participants hired before November 16, 1996
Eligibility - age 62 with 5 years of school service; age 60 with 20 years of total service, including 5 years of school service; age 55 with 30 years of total service, including 5 years of school service.

Benefit $-1.5 \%$ of 3 -year average pay times service up to 5 years, plus $1.75 \%$ of average pay times service between 5 and 10 years, plus $2 \%$ of average pay times service over 10 years, with each period subject to a minimum benefit of $1.0 \%$ of average pay plus $\$ 25$.

For participants hired on or after November 16, 1996:
Eligibility - 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 - $2.0 \%$ of 3 -year average pay times service up to 5 years subject to a minimum benefit of $1.0 \%$ of average pay plus $\$ 25$.
6. 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 - Voluntary Retirement benefit reduced 1/6\% per month (2\% per year) that date of retirement is before age 55 .

## 7. Disability Retirement

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

Benefit - 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

## 8. Deferred Vested Retirement

Eligibility - 5 years of school service.
Benefit - Voluntary Retirement benefit beginning at age 62
9. Lump Sum Death Benefit

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

Benefit - Refund of paid contributions

## 10. Installment Benefits Payable upon Death

## Spouse Only

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

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

## 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 - spouse benefit as described above plus a benefit per child of the smallest of $60 \%$ of average pay divided by the number of children, $\$ 900$, and $\$ 2,700$ divided by the number of children; payable until the children are no longer eligible.

## Dependent Children Only

Eligibility - same as the children's benefit above.
Benefit - per child, the smallest of $75 \%$ of average pay divided by the number of eligible children, $\$ 1,080$, and $\$ 3,240$ divided by the number of children payable until the children are no longer eligible.

## 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 - spouse benefit as described above.

## 11. Cost-of-Living Adjustments

All participants receive an increase each March based on the annual change in the Consumer Price Index (all items - U.S. City average) from December to December

## 12. Form of Payment Options

Normal Form of Payment - Single Life Annuity
Joint and $55 \%$ Survivor (to spouse) - The original benefit is reduced by $2.5 \%$ of annual pension up to $\$ 3,600$, plus $10 \%$ of any amount over $\$ 3,600$

Variable Survivor - 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

Insurance Option - benefits may be reduced and the balance used to purchase ife insurance.

## 13. Benefit Changes Since Prior Valuation

None.

## Summary of Program Provisions: <br> Retirement Program for District of Columbia <br> Police Officers and Fire Fighters

1. Membership

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

## 2. Required Member Contributions

Members hired before November 10, 1996 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, longevity, holiday, or military pay.

## 3. Average Pay

For those hired before February 15, 1980, basic pay for the highest 12 months. For those hired on or after February 15, 1980, basic pay for the highest 36 month divided by three.
4. 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 in addition to departmental service for service with the military or federal government.
5. Normal Retirement Benefit

For participants hired before November 10, 1996.
Eligibility - Age 50 with 25 years of departmental service (20 years of service and no age requirement if hired before February 15,1980 ).

Benefit - $2.5 \%$ of average pay times departmental service up to 25 years ( 20 year if hired before February 15, 1980) plus $3 \%$ of average pay times departmental service over 25 (or 20 ) years plus $2.5 \%$ of average pay time credited service subject to a maximum benefit of $80 \%$ of pay.

## 11. 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.
12. Benefit Changes Since Prior Valuation

None.

MILLIMAN \& ROBERTSO

Appendix D-GASB Disclosures

## DISTRICT OF COLUMBIA RETIREMENT BOARD

Required Supplementary Information Pursuant to GASB Statement \#25

Schedule of Funding Progress

|  | Actuarial | Actuarial Accrued | Unfunded |  | UAAL as a |
| ---: | ---: | ---: | ---: | ---: | ---: |
| Actuarial | Value of | Liability | AAL | Funded | CoveredPercentage of  <br> Valuation Assets |
| Date | (aAL) | $($ UAAL) | Ratio | Payroll Covered Payroll |  |

The District of Columbia Retirement Board uses the aggregate actuarial cost method and is therefore not equired to disclose a schedule of funding progress

MILLIMAN \& ROBERTSON, INC.

DISTRICT OF COLUMBIA RETIREMENT BOARD
Required Supplementary Information Pursuant to GASB Statement \#25

Schedule of Employer Contributions
(\$ Millions)

|  | Teachers' Retirement Fund $\quad$Police Officers and Firefighters' <br> Retirement Fuind |  |  |  | Total Fund |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | Annual |  | Annual |  | Annual |  |
| Ended | Required | Percentage | Required | Percentage | Required | Percentage |
| September 30 | Contribution | Contributed | Contribution | Contributed | Contribution | Contributed |
| 1998 | \$9.6 | 100\% | \$47.7 | 100\% | \$57.3 | 100\% |
| 1999 | \$12.8 | 145\% ${ }^{1}$ | \$35.1 | 100\% | \$47.9 | 112\% ${ }^{1}$ |
| 2000 | \$10.7 | N/A | \$39.9 | N/A | \$50.6 | N/A |

${ }^{1}$ District overpayments for Fiscal Year ending September 30, 1999 will be used to reduce District payments in future years per Section 1-784.2(c) of the D.C. Code.

MILLIMAN \& ROBERTSON, INC.

## Required Supplementary Information <br> Pursuant to GASB Statement \#25

## Additional Information

|  | Teachers' Retirement Fund | Police Officers' and Firefighters Retirement Fund |
| :---: | :---: | :---: |
| Valuation Date: | October 1, 1997 | October 1, 1997 |
| Actuarial Cost Method: | Aggregate | Aggregate |
| Amortization Method: | N/A | N/A |
| Remaining Amortization Period: | N/A | N/A |
| Asset Valuation Method: | Market Value | Market Value |
| Actuarial Assumptions: |  |  |
| Investment Rate of Return: | 7.25\% | 7.25\% |
| Projected Salary Increases: | 5.3\%-8.8\% | 5.5\%-8.8\% |
| includes inflation at: | 5.0\% | 5.0\% |
| Cost of Living Adjustments: | 5.0\% ${ }^{1}$ | 5.0\% |
| ${ }^{1}$ Post-1996 hires have COLAs capped at 3.00\% |  |  |

Exhibit I
Board's Fiscal Year 2001 Certification

December 29, 1999
The Honorable Anthony Williams
Office of the Mayor
441 Fourth Street, N.W., Suite 1100
Washington, D.C. 20001

## Dear Mayor Williams:

The Police Officers, Fire Fighters, and Teachers Retirement Benefit Replacement Plan Act of 1998, (the "Replacement Plan Act") effective September 18, 1998 (D.C. Code § 1-781.1 et. seq.) requires the District of Columbia Retirement Board ("Board") to certify to the Mayor and the Council, not less than thirty (30) days prior to submission of the Mayor's annual budget for the District of Columbia government to the D.C. Council, the normal contribution rate ('District payment") for each separate fund: (i) the Teachers' Retirement Fund ("Teachers' Fund") and (ii) the Police Officers and Fire Fighters' Retirement Fund ("Police and Fire Fund"), (collectively the "Funds") comprising the Funds. D.C. Code § 1-784.3(b)(1). The Replacement Plan Act further requires that the Mayor and the Council include in the annual budget for the District of Columbia an amount not less than the amount certified by the Board. D.C. Code § 1-784.3(b)(2).

I am writing to inform you that the Board approved the enrolled actuary's certification of the District fiscal year 2001 payment to the Funds (copy enclosed) at its monthly meeting on December 16, 1999. This letter constitutes the Board's statutorily required certification of the District's payment to the Funds for fiscal year 2001.

The following matrix incorporates amounts certified by the Board for the District's Fiscal Year 2001 payment to each of the Funds:

| Retirement Fund | Normal Contribution Amount <br> (Millions) |  |
| :--- | ---: | ---: |
| Teachers' Retirement Fund |  | $\$ 0.2$ |
| Police Officers and Fire Fighters' <br> Retirement Fund | $\$ 47.4$ |  |
| Total FY 2001 Contribution Amount |  | $\$ 47.6$ |

## The Honorable Anthony Williams

December 29, 1999
Page 2

## Explanation of Certification

As explained below, the amounts certified herein are based upon an initial allocation of the 1.275 billion in October 1, 1997 assets $^{1}$ ("Replacement Plan assets") between the Funds that has ot yet in 1.275 billion between the not yet been approved by the Board. The method used to allocate the District contribution Teachers' Fund and the Police and Fire Fund affects the amount of the District conired changes will be reflected in District payments certified by the Board in future fiscal years.

Legislative History
Title XI of the Balanced Budget Act of 1997 (Pub. L. 105-33, 111 Stat. 251) as amended (P) " (hereinafter the "Budget Act"), required the transfer of a material all accumulated assets and and liabilities of the Funds to the Federal government, along wis also gave complete discretionary liabilities from the Judges' Retirement Fund. The Budget Ache Treasury ("Secretary") to: (i) control the timing of the asset transfer and, (ii) designate assets with a value of $\$ 1.275$ billion to remain with the District Retirement Funds. The Budget Act further required the District of Columbia Coliremat benefits for the current retirement plans for teachers, and police officers and firefightrs thet were in effect frozen by the Budget Act as of June 30, 1997. While relieving the Disfir District of unfunded per actuarially sound replacement plans, neither the Budget Act nor provide a methodology, nor any guidance 275 billion plus employee contributions withheld and eares Fund and the Police and Fire Fund.

Allocation Methodology
One arguably discernable objective of the Replacement Plan Act is that future District
 contres the prevent the District from incurring future unfunded liabilits. Flan assets between the Funds (in its Board's enrolled actuary chose to allocate the Replacement Plan assets betweent value of future Valuation as of October 1, 1997 for Fiscal Year 1999 ') Wased upone Board's actuary has confirmed that this allocation method is consistent with customarily established actuarial principles, there are several alternative actuarially sound methods available to allocate the

[^5] .S. Department of Treasury, pursuant to title XI of the Balanced Bude 1 Act.3(b)

## The Honorable Anthony Williams

December 29, 1999
Page 3
Replacement Plan assets, which appear both prudent and reasonable means of meeting the broad objectives of the Budget Act and the Replacement Plan Act. Depending upon the allocation method ultimately approved by the Board, the District's total contribution could be a different mount. In any event, the enrolled actuary (Milliman \& Robertson, Inc.) has informed the Board hat any changes that result from employment of a different methodology from that chosen by the actuary in 1997 (and used in successive years since) for allocating the Replacement Plan assets can and will be reflected in District payments to the Funds in future years.

It should be noted that approval of the allocation methodology for the Replacement Plan assets was not possible, and thus not a factor to be considered by the Board, until the Replacement Plan assets were designated for retention by the Funds. Designation of the Replacement Plan assets by the Secretary did not occur until April 30, 1999. Therefore, the Board's certification for the District's fiscal year 2001 payment to the Funds is the first opportunity for the Board to District's fiscal year 2001 payment to the Funds is the first opportunity for the Board to
contemplate allocation options. Given the complexity of the allocation methodology options, and the resulting impact on the corpus of the separate Funds, the Board has undertaken this task at a prudently deliberate pace to insure that any final decision is fully informed.

As the Board considers the actuarially sound options in determining the appropnate asse allocation of the Replacement Plan assets, please be assured that the Board is exercising its responsibilities with the requisite standard of care, skill, prudence and diligence imposed on all fiduciaries to the Funds.

Should you have any questions, please do not hesitate to contact the Board's Executive Director, Jorge Morales at: (202) 535-1271.

Sincerely,


Betty Ann Kane
Chairman of the Board
Enclosure
cc: Trustees, D.C. Retirement Board



 Required Actuarial Certifications
Under D.C. Law 12-152
for Fiscal Year 2001
 Certification
FY 2001 Normal Contribution Rate
Estimated FY 2001 Covered Payroll
FY 2001 District Payment before §1-784.2(c)
FY 1999 Shorffall / Overpayment
FY 2001 District Payment
Present Value of Future Benefits
Current Value of Assets
Actuarial Value of Assets

## 

Exhibit J
Board's Fiscal Year 2001 Administrative Expenses

DISTRICT OF COLUMBIA RETIREMENT BOARD TATEMENT OF FISCAL YEAR 2001 EXPENDITURES

MPARED TO FISCAL YEAR 2001 BU

|  |  | Total enditures | Budget | $\begin{gathered} \begin{array}{c} \text { Total } \\ \frac{\text { Expended }}{} \\ \text { Under (over) } \end{array} \\ \frac{\text { Budget }}{} \end{gathered}$ | Percent of Budget Expended |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Personal Services: |  |  |  |  |  |
| Board Members | \$ | 56,371 | 65,000 | 8,629 | 87\% |
| Staff Salaries |  | 816,816 | 851,350 | 34,534 | 96\% |
| Compensation System Change |  | - | 50,000 | 50,000 | 0\% |
| Other Pay (Overtime \& Bonus) |  | 63 | 70,000 | 69,937 | 0\% |
| Fringe Benefits |  | 107,568 | 145,702 | 38,134 | 74\% |
| Total Personal Services |  | 980,818 | 1,182,052 | 201,234 | $83 \%$ |
| Administrative Advisors: |  |  |  |  |  |
| Legal Counsel |  | 45,693 | 100,000 | 54,307 | 46\% |
| Auditor |  | 45,825 | 75,000 | 29,175 | 61\% |
| Actuary |  | 30,375 | 100,000 | 69,625 | 30\% |
| EDP Consultant |  | - | 60,000 | 60,000 | 0\% |
| Investment Consultant, Traditional |  | 288,000 | 300,000 | 12,000 | 96\% |
| Investment Consultant, Non-Traditional |  | 100,000 | 180,000 | 80,000 | 56\% |
| Master Custodian Search |  | 49,851 |  | (49,851) | N/A |
| Other |  | 3,845 | - | $(3,845)$ | N/A |
| Total Advisors Fees |  | 563,589 | 815,000 | 251,411 | 69\% |
| Liability Insurance: |  |  |  |  |  |
| Premium |  | 1,547 | 6,000 | 4,453 | 26\% |
| Total Liability Insurance: |  | 1.547 | 6.000 | 4,453 | $26 \%$ |
| Administrative \& Office Expenses: |  |  |  |  |  |
| Office Space \& Communications |  | 212,479 | 295,000 | 82,521 | 72\% |
| Membership Dues |  | 8,594 | 13,080 | 4,486 | 66\% |
| Staff Recruiting |  | 332 | 2.000 | 1,668 | 17\% |
| Supplies \& Reference Materials |  | 73,585 | 134,306 | 60,721 | 55\% |
| Printing |  | 17,065 | 30,550 | 13,485 | 56\% |
| Temporary Staff |  | - | 22,000 | 22,000 | 0\% |
| Travel \& Training - Board Members |  | 30,432 | 65,000 | 34,568 | 47\% |
| Travel \& Training - Staff |  | 19,889 | 50,854 | 30,965 | 39\% |
| Furniture \& Equipment |  | 27,339 | 117,100 | 89,761 | 23\% |
| Postage \& Delivery |  | 13,156 | 22,800 | 9,644 | 58\% |
| Metro Checks |  | 4,840 | 8,000 | 3,160 | $61 \%$ |
| Board Member Elections |  | 29.186 | 50,000 | 20,814 | 58\% |
| Tofal Administrataive \& Office Expenses |  | 436,897 | 810,690 | 373,793 | 54\% |
| sub-total |  | 1,982,851 | 2,813,742 | 830,892 | 70\% |
| Asset Management Fees: |  |  |  |  |  |
| Investment Advisors, Traditional |  | 4,354,364 | 8,015,000 | 3,660,636 | 54\% |
| Advisors Watch List Penalty |  | (78,471) | - | 78,471 | N/A |
| Advisors Search Fee Recovery |  | $(15,000)$ | $(15.000)$ | - | 100\% |
| Investment Cusiodian |  | 503,908 | 600,000 | 96.092 | 84\% |
| Total Asset Mgmt. Fees |  | 4.764,801 | 8,600,000 | 3,835,199 | 55\% |
| Grand Total | \$ | 6,747,651 | 11,413,742 | 4,666,091 | 59\% |

Exhibit K
Retirement Programs Coverage

## D.C. RETIREMENT BOARD

COVERAGE OF RETIREMENT PROGRAMS
As Of October 1, 2001

|  | Active |  | Retired |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Hired Before $11 / 16 / 1996$ | Hired After 11/15/1996 | Federal Responsibility | Joint Federal \& District Responsibility |
| Teachers Retirement Program |  |  |  |  |
| Active employees covered | 4,009 | 2,694 |  |  |
| Retired participants receiving benefits |  |  | 3,958 | 829 |
| Survivors receiving benefits |  |  | 427 | 0 |
| Police \& Fire Retirement Program |  |  |  |  |
| Active employees covered | 3,828 | 1,092 |  |  |
| Retired participants receiving benefits |  |  | 5,426 | 585 |
| Survivors receiving benefits |  |  | 1,671 | 0 |
| Total by Type | 7,837 | 3,786 | 11,482 | 1,414 |
| Grand Total Active, Retired, \& Survivor | 11,6 |  | 12, | 396 |

Source: Valuation as of October 1, 2001 for Fiscal Year 2003

Exhibit L
List of Board's Service Providers and Fiduciaries

Schedule of Transactions With Persons Known To Be Parties-In-Interest


Exhibit M
Schedule of Trustee Activities Sponsored by
Service Providers

SCHEDULE OF TRUSTEE ACTIVITIES
SPONSORED BY SERVICE PROVIDERS (Required by D.C. Law 8-97, As Submitted by Trustees)
Barbara Davis Blum

| Date | Service Provider | Activity | Purpose of Activity |
| :--- | :--- | :--- | :--- |
| $2 / 27 / 2001$ | Howard Stone | Dinner | Introduction/discussion of company |

Mary Collins

| Date | Service Provider | Activity | Purpose of Activity |
| :--- | :--- | :--- | :--- |
| $10 / 11 / 2000$ | Templeton | Meeting | Discussion on market trends |
| $12 / 30 / 2000$ | Barclay Global | Due Diligence | Review organizational structure |
| $4 / 26 / 2001$ | Utendahl Capital Mgmt. | Dinner | Discuss the DCRB's role in the NASP Conf. |
| $5 / 2-5 / 2001$ | Fiduciary Investment Solutions | Conference | 1st Annual Trustee's Educational Forum $^{46 / 6 / 2001}$ |
| Barclay Global | Meeting | Discussion of investment vehicles |  |
| $6 / 21 / 2001$ | Barclay Global | Dinner | Discuss new investment strategies |

Betty Ann Kane

| Date | Service Provider | Activity | Purpose of Activity |
| :--- | :--- | :--- | :--- |
| $10 / 17 / 2000$ | Capital Guardian | Seminar | Educational workshop |
| $12 / 5 / 2000$ | Alcheny | Meeting | Discuss european private equity |
| $12 / 10 / 2000$ | Capital Guardian | Dinner | Meeting with principal partners |
| $12 / 11 / 2000$ | Bank of Ireland | Dinner | Meeting with principal partners |
| $12 / 13 / 2000$ | Loomis Sayles | Lunch | Meeting with principal partners |
| $1 / 29 / 2001$ | Mellon Bank | Dinner | Discuss securities lending |
| $3 / 26-30 / 2001$ | JD Murphy | Conference | Participated in educational forum |
| $6 / 10-12 / 2001$ | European Institute | Conference | Participated in educational forum |

Brian Lee

| Date | Service Provider | Activity | Purpose of Activity |
| :--- | :--- | :--- | :--- |
| $4 / 26 / 2001$ | Utendahl Capital Mgmt. | Dinner | Discuss DCRB's role in the NASP Conf. |
| $5 / 2-5 / 2001$ | Fiduciary Investment Solutions | Conference | $1^{\text {st }}$ Annual Trustee's Educational Forum |

Judith Marcus

| Date | Service Provider | Activity | Purpose of Activity |
| :--- | :--- | :--- | :--- |
| $12 / 9 / 2000$ | Chase H\&Q | Dinner | Discuss future pension issues |
| $12 / 11 / 2000$ | Bank of Ireland | Dinner | Discuss future international investing |
| $6 / 13 / 2001$ | Barclay \& other vendors | Dinner | Discuss inflation linked bonds \& "strips" |

Thomas Murray

| Date | Service Provider | Activity | Purpose of Activity |
| :--- | :--- | :--- | :--- |
| $2 / 201 / 2001$ | Strategic Investment Group | Dinner | Presentation Panel discusion |
| $3 / 21 / 2001$ | Rob Stein | Breakfast | Introduction |
| $3 / 26 / 2001$ | Investor Force | Dinner | Conference related |
| $4 / 03 / 2001$ | Challdon | Dinner | Introduction |
| $4 / 26 / 2001$ | Utendahl Capital Mgmt. | Dinner | Discuss DCRB's role in the NASP Conf. |
| $6 / / 2001$ | Edgar Lomax | Dinner | Discuss new investment strategies |
| $6 / 14 / 2001$ | Blackstone Capital Partners | Lunch | Annual Partnership Luncheon |
| $7 / / 2001$ | Adams Venture | Dinner | Discuss new investment strategies |
| $7 / 8-11 / 2001$ | Opal Financial Group | Conference | Private equity summit |
| $7 / 10 / 2001$ | CMI, LLC | Lunch | Discuss market trends |
| $7 / 16-18 / 2001$ | Institutional Investor | Conference | Public Funds Symposium |

George Suter

| Date | Service Provider | Activity | Purpose of Activity |
| :--- | :--- | :--- | :--- |
| $3 / 15 / 2001$ | Bank of Irelanad | Luncheon | Annual luncheon |

Lenda Washington

| Date | Service Provider | Activity | Purpose of Activity |
| :--- | :--- | :--- | :--- |
| $5 / 2-4 / 01$ | Fiduciary Investment Solutions | Conference | $1^{\text {st }}$ Annual Truste's Educational Forum |

Exhibit N
Summary of Lease Default

Courtland Partners, Ltd.
INSTITUTIONAL REAL ESTATE SERVICES

50 Putbilc SQuare
Sutr 624
Cieveiand, Ohio 44113 -2204

Telephone: (216) 522-0330 FAX: (216) 522.033 www.courtland.com

## Via $A$ ax

Ms. Sheila Morgan-Johnson
Chief Investment Officer
The District of Columbia Retirement Board
1400 I Srreet, NW, Suite 300
Washington, D.C. 20005
Re: Review of Tenant defaults at The district of Columbia Retirement board's (THE "Fund") Real Estate Direct Investments

Dear Sheila:
As you requested, I am providing this letter to update the Fund with respect to tenant defaults/delinquencies at your direct investments. Hunt River, a 148,164 s.f. shopping center anchored by a Stop \& Shop grocery store and a Marshalls located in Providence, Rhode Island was the last of your LaSalle Separate Account direct investments. As you know, the asset sale closed at the end of October last year. The Fund has no other assets and therefore no other tenant defauls to report

Please call me if you have further questions or any comments.

Sincerely yours,

$\mathrm{MJH} / \mathrm{mc}$

# COURTLAND PARTNERS, LTD. <br> INSTITUTIONAL REAL ESTATE CONSULTANTS 

 624 Terminal Tower, Cleveland Ohio 44113
## Facsimile Cover Sheet

| TO: | Ms. Florence Jones <br> The District of Columbia Retirement Board |
| :--- | :--- |
| FACSIMILE: | 202.535 .1414 |
| NO. of Pages: | 2 (including cover sheet) |
| DATE: | September 14, 2001 |
| FROM: | Michael J. Humphrey <br> Courtland Partners, Lrd. <br> Telephone (216) 522-0330 <br> Facsimile (216) 522-0331 |
| RE: | Enclosed is the letter requested. |

Notice of Confidentiality
The materials which comprise this facsimile are strictly confidential and are intended for the recipient only. Any use or review of this transmission by any party other than the recipient is prohibited. If this transmission has been pary rected or oter ise cannor be delivered or forwarded to the recipient, please contact Courtland Partners, Lrd. immediarely at (216) 522-0330

Please call (216) 522-0330 regarding transmission errors.

## Exhibit O

Custodian Bank's Balance Sheet


## Consolidated Financial Statements

Consolidated Statement of Income

| (Dollars in millions, except per share data) Years ended December 31, | 2001 |  | 2000 |  | 1999 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fee Revenue: |  |  |  |  |  |  |
| Servicing fees | \$ | 1,624 | \$ | 1,425 | \$ | 1,170 |
| Management fees |  | 511 |  | 581 |  | 600 |
| Foreign exchange trading |  | 368 |  | 387 |  | 306 |
| Processing fees and other - Notes C and N |  | 279 |  | 272 |  | 179 |
| Total Fee Revenue |  | 2,782 |  | 2,665 |  | 2,255 |
| Net Interest Revenue: |  |  |  |  |  |  |
| Interest revenue |  | 2,855 |  | 3,256 |  | 2,437 |
| Interest expense |  | 1,830 |  | 2.362 |  | 1,656 |
| Net interest revenue - Note M |  | 1,025 |  | 894 |  | 781 |
| Provision for loan losses - Note D |  | 10 |  | 9 |  | 14 |
| Net interest revenue after provision for loan losses |  | 1,015 |  | 885 |  | 767 |
| Gain on sale of commercial banking business, net of exit and other associated costs |  |  |  |  |  | 282 |
| Total Revenue |  | 3,797 |  | 3,550 |  | 3,304 |
| Operating Expenses: |  |  |  |  |  |  |
| Salaries and employee benefits - Note 0 |  | 1,663 |  | 1.524 |  | 1,313 |
| Information systems and communications |  | 365 |  | 305 |  | 28 |
| Transaction processing services |  | 247 |  | 268 |  | 237 |
| Occupancy |  | 229 |  | 201 |  | 188 |
| Other - Note P |  | 363 |  | 346 |  | 311 |
| Total operating expenses |  | 2,867 |  | 2,644 |  | 2,336 |
| Income before income taxes |  | 930 |  | 906 |  | 968 |
| Income taxes - Note Q |  | 302 |  | 311 |  | 349 |
| Net Income |  | 628 | \$ | 595 |  | 619 |
| Earnings Per Share - Note R |  |  |  |  |  |  |
| Basic |  | 1.94 |  |  |  | 1.93 |
| Diluted |  | 1.90 |  | 1.81 |  | 1.89 |
| Average Shares Outstanding (in thousands) |  |  |  |  |  |  |
| Basic |  | 325,030 |  | 321,678 |  | 321,320 |
| Diluted |  | 330,492 |  | 328,088 |  | 327,503 |

Assets
Cash and due from banks - Note K
\$ 1,618
Interest-bearing deposits with banks
Securities purchased under resale agreements and
securities
ecurities borrowed - Note F
20,317
21,295

Federal funds sold
Trading account assets
Investment securities (including securities pledged of
9,006 and \$7,152) - Notes C and F
Loans (less allowance of $\$ 58$ and $\$ 57$ ) - Note D
Premises and equipment - Note E
Accrued income receivable
Other assets
Total Assets
650

| 2,481 | 3,070 |
| :---: | :---: |

Liabilities
Deposits:
Interest-bearing - U.S.
Noninterest-bearing

| $\$ 2,753$ | $\$ 2,241$ |
| ---: | ---: |
| 9,390 | 10,009 |
| 26,416 | 25,687 |
| 38,559 |  |

terest-bearing - Non-U.S.
otal deposits
Securities sold under repurchase agreements - Note F
Federal funds purchased
Other short-term borrowings - Note G
19,006 7,937

3,315
1,012
Accrued taxes and other expenses - Notes $P$ and
Other liabilities
Long-term debt - Note H

Stockholders' Equity - Notes H, 1, J, K and Preferred stock no par: authorized 3500000 ; issued none
 329,999,000 and 167,219,000
Surplus
110
Retained earnings
Other unrealized comprehensive income (loss)
70
70
$(277)$
3,278
Treasury stock, at cost ( $6,329,000$ and $5,508,000$ shares)
(27)
(251)

Total Stockholders' Equity
$\$ 69,896$
Total Liabilities and Stockholders' Equity $\qquad$ $\$ 69,298$

The accompanying notes are an integral part of these financil statements

Consolidated Statement of Changes in Stockholders' Equity


[^6]28 | State Street Corporation

| Consolidated Statement of Cash Flows |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| (Doilars in millions) Years ended December 31. |  | 2001 | 2000 |  | 1999 |
| Operating Activities |  |  |  |  |  |
| Net income | \$ | 628 | 595 |  | 619 |
| Non-cash charges for depreciation, amortization, provision for loan losses and deferred income taxes |  | 398 | 383 |  | 341 |
| Gain on sale of commercial banking businesses |  |  |  |  | (282) |
| Securities (gains) losses, net |  | (43) | (2) |  | 45 |
| Change in trading account assets, net |  | (52) | (218) |  | (451) |
| Other, net |  | (462) | (118) |  | (77) |
| Net Cash Provided by Operating Activities |  | 469 | 640 |  | 195 |
| Investing Activities |  |  |  |  |  |
| Payments for purchases of: |  |  |  |  |  |
| Available-for-sale securities |  | $(19,160)$ | $(5,688)$ |  | $(16,175)$ |
| Held-to-maturity securities |  | $(4,246)$ | (987) |  | (880) |
| Lease financing assets |  | (850) | (989) |  | (610) |
| Premises and equipment |  | (276) | (247) |  | (199) |
| Business acquisitions, net of cash acquired |  | (176) |  |  |  |
| Proceeds from: |  |  |  |  |  |
| Maturities of available-for-sale securities |  | 7,758 | 5,351 |  | 5,082 |
| Maturities of held-to-maturity securities |  | 4,126 | 933 |  | 790 |
| Sales of available-for-sale securities |  | 4,758 | 1,464 |  | 6,066 |
| Principal collected from lease financing |  | 10 | 37 |  | 87 |
| Sale of commercial banking businesses, net |  |  |  |  | 1,659 |
| Net proceeds from (payments for): |  |  |  |  |  |
| Interest-bearing deposits with banks |  | 978 | $(4,393)$ |  | $(4,817)$ |
| Federal funds sold, resale agreements and securities borrowed |  | 5,104 | $(3,856)$ |  | $(3,949)$ |
| Loans |  | 221 | (724) |  | (217) |
| Net Cash Used by Investing Activities |  | $(1,753)$ | $(9,099)$ |  | $(13,163)$ |
| Financing Activities |  |  |  |  |  |
| Proceeds from issuance of: |  |  |  |  |  |
| Non-recourse debt for lease financing |  | 670 | 821 |  | 483 |
| Long-term debt |  |  | 300 |  |  |
| Treasury stock |  | 64 | 89 |  | 38 |
| Payments for: |  |  |  |  |  |
| Non-recourse debt for lease financing |  | (53) | (45) |  | (104) |
| Long-term debt |  | (2) | (1) |  | (1) |
| Cash dividends |  | (127) | (106) |  | (93) |
| Purchase of common stock |  | (252) | (84) |  | (163) |
| Net proceeds from: |  |  |  |  |  |
| Deposits |  | 622 | 3,792 |  | 7.724 |
| Short-term borrowings |  | 395 | 2,381 |  | 6.649 |
| Net Cash Provided by Financing Activities |  | 1,317 | 7.147 |  | 14,533 |
| Net Increase (Decrease) |  | 33 | $(1,312)$ |  | 1,565 |
| Cash and due from banks at beginning of year |  | 1,618 | 2.930 |  | 1,365 |
| Cash and Due from Banks at End of Year |  | 1,651 | \$1,618 |  | \$ 2,930 |

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


[^0]:    ${ }^{\text {'Public Law } 96-122, ~} 93$ Stat 866, codified at D.C. Code §1-701 et seq (1981 Ed.).
    ${ }^{2}$ Title XI of the Balanced Budget Act of 1997 (Public Law 105-33, 111 Stat. 251), entitled the "National Capital Revitalization and Self-Government Improvement Act of 1997", amended the Reform Act to require the Federal government to assume full responsibility for continuation of the retirement program for Judges in the District of Columbia and thus relieved the District of all liability associated with the Judges' Retirement Fund.
    ${ }^{3}$ The Replacement Plan Act is codified at D.C. Code § 1-901.01 et seq (2001 Ed.) Sept. 18. 1998, D.C. Law 12-252, § 101.45 DCR 4045.
    ${ }^{4}$ The Board's fiscal year commences on October 1 and ends on September 30.

[^1]:    ${ }^{5}$ The Revitalization Act removed the Judicial representative from the Board after the successful transfer of the entire D.C. Judges' Retirement program to the Federal government in 1999.

[^2]:    STATE STREET:

[^3]:    See accompanying notes to financial statements.

[^4]:    Enclosure
    JLC/EMG/DCR/10
    v:IClient|PUBLIClderI99VALLtransmittal letter.doc

[^5]:    ${ }^{1}$ October 1, 1997 assets (or "Replacement Plan assets") refers to assets designated by the Secretary of the (Pub. L. 105-33)

[^6]:    - 

